

TIDAL

Tidal Workload Automation REST API Reference Guide

Version 6.3.3

First Published: January 2018

tidalautomation.com

THE SPECIFICATIONS AND INFORMATION REGARDING THE PRODUCTS IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS IN THIS MANUAL ARE BELIEVED TO BE ACCURATE BUT ARE PRESENTED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. USERS MUST TAKE FULL RESPONSIBILITY FOR THEIR APPLICATION OF ANY PRODUCTS. THE SOFTWARE LICENSE AND LIMITED WARRANTY FOR THE PRODUCTS IN THIS MANUAL ARE INCORPORATED HEREIN BY THIS REFERENCE. IF YOU ARE UNABLE TO LOCATE THE SOFTWARE LICENSE OR LIMITED WARRANTY, CONTACT YOUR STA GROUP REPRESENTATIVE FOR A COPY.

The implementation of TCP header compression is an adaptation of a program developed by the University of California, Berkeley (UCB) as part of UCB's public domain version of the UNIX operating system. © 1981 Regents of the University of California. All rights reserved.

Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.

All printed copies and duplicate soft copies are considered uncontrolled copies and the original online version should be referred to for latest version.

© 2018 STA Group LLC. All rights reserved.

Contents

Contents	3
Preface	9
Audience	9
Related Documentation	9
Obtaining Documentation and Submitting a Service Request	9
Document Change History	10
Introducing the TWA REST API	11
Overview	11
REST API Objects	11
REST API Call Template	11
Using the TWA REST API	13
Overview	13
REST API from a Browser	13
REST API Security Notes	14
Java Client REST API Examples	14
Code Example 1 – GET Request	14
Code Example 2 – POST Request	15
Code Example 3 – Session Management Using the Session Cookie	16
Code Example 4 – Execute a Query with Conditions	17
TWA APIs in the WebService Adapter	17
TWA APIs in the SOAP UI Tool	18
Accessing Documentation for REST API Objects and Methods	19
Calendar	21
Overview	21
Calendar Type	21
Typical Operations	21
Specifying Calendar Days	21
Calendar Examples	23
Calendar Example 1 – Get a List of Available Calendars	23
Calendar Example 2 – Get a Specific Calendar	23
Calendar Example 3 – Compile a Single Calendar	23
Calendar Example 4 – Compile All Calendars	24
Calendar Example 5 – Create a List Calendar	24
Calendar Example 6 – Create a Group Calendar	25
Calendar Example 7 – Create a Daily Calendar with Details and a Condition	26
Calendar Example 8 – Delete a Detail in a Calendar	26
Calendar Example 9 – Delete a Condition in a Calendar	27
Calendar Example 10 – Add Details and Conditions in a Group Calendar	27

Calendar Example 11 – Delete Calendar Days in a List Calendar	28
Calendar Example 12 – Add Calendar Days to a List Calendar	29
Calendar Example 13 – Delete a Condition in a Daily Calendar	30
Calendar Example 14 – Add a Condition to a Daily Calendar	30
Calendar Example 15 – Delete a Calendar	31
Job	33
Overview	33
Job Type	33
Job Instance	33
Typical Operations	34
Job Examples	34
Job Example 1 – Get a List of Available Job Definitions	34
Job Example 2 – Get a Specific Job Definition	34
Job Example 3 – Create a Simple Job	35
Job Example 4 – Create a Job with Many Parameters	35
Job Example 5 – Insert a Job into the Schedule	36
Job Example 6 – Update a JobGroup with a Variable Update	36
Job Example 7 – Update an SAP ServiceJob	37
JobRun	39
Overview	39
JobRun Type	39
Typical Operations	39
JobRun Examples	40
JobRun Example 1 – Override a JobRun Instance	40
JobRun Example 2 – Override a JobDependency Instance of a JobRun	40
JobRun Example 3 – Cancel a JobRun	40
JobRun Example 4 – Set the Status of a JobRun	40
JobRun Example 5 – Hold a JobRun	41
JobRun Example 6 – Release a JobRun	41
JobRun Example 7 – Rerun a JobRun	41
Node	43
Overview	43
Node Type	43
Typical Operations	43
Node Examples	44
Node Example 1 – Get a List of Available Nodes	44
Node Example 2 – Create a Schedule in the Master	44
Node Example 3 – Add a Windows Agent Node and Enable It	45
Node Example 4 – Enable or Disable a Windows Node	45
Action	47

Overview	47
Action Type	47
Typical Operations	47
Action Examples	47
Action Example 1 – Get a List of Available Actions	48
Action Example 2 – Set the Value of a Variable	48
Action Example 3 – Update a Variable	48
Action Example 4 – Create a Value Variable	48
Action Example 5 – Update the Value of a Variable	49
Action Example 6 – Create a Web Service Action	50
Action Example 7 – Create a Web Service Action with Parameters	50
Queues	51
Overview	51
Typical Operations	51
Queue Examples	51
Queue Example 1 – Enable a Queue	51
Appendix A—REST API Object Descriptions	53
Actions	53
AdapterLicense	53
AgentLicense	54
AgentList	54
AgentListJoin	55
AgentNode	56
AlarmptAction	56
Alert	56
AlertAction	57
BackupMasterNode	58
BusinessUnit	59
BusinessView	59
Calendar	60
CalendarChild	61
CalendarCondition	61
CalendarPrint	62
CalendarYear	63
CalendarYear2	63
DataMoverJob	64
DataMoverJobRun	67
DependencyUnion	71
EmailAction	72
EventActionJoin	72

EventActionRun	73
EventCalendarJoin	74
EventJobClassJoin	75
EventJobJoin	75
Events	76
EventsFile	77
EventsJob	78
EventsService	79
EventsSystem	80
EventsVariable	81
FaultMonitorNode	82
FileDependency	83
FiscalCalendar	83
FolderConfiguration	84
FTPJob	84
FTPJobRun	88
ImageRepository	92
ImageRepositoryLink	92
InfoNodeJoin	92
InterMasterVariable	93
ITOAction	93
JESDependency	94
Job	95
JobAction	97
JobClass	98
JobDependency	99
JobGroup	100
JobOutput	102
JobPrint	103
JobReport	105
JobRun	106
JobRunDep	109
JobRunGroup	110
JobRunResource	114
JobRunStatistics	114
JobRunStatus	114
JobRunSystemResourceDetails	115
LogAction	115
MasterJavaTimeZone	116
MasterLicense	116
MasterNode	117
MasterVariables	118
MessageCatalog	118

MessageLog	119
MPEJob	119
MPEJobRun	122
MPENode	125
MVSAgentList	126
MVSNode	127
Node	128
NodeOutage	129
NodeResourceValue	130
NullContent	130
OS400Job	130
OS400Node	134
OSJob	135
OSJobRun	137
OVMSAgentList	141
OVMSBatch	141
OVMSBatchJobRun	144
OVMSCommand	147
OVMSCommandJobRun	150
OVMSJob	153
OVMSJobRun	155
OVMSNode	159
OwnerAgent	160
Owners	160
Queue	161
QueuedJobRun	162
QueueFilter	163
RemoteMasterNode	164
Resource	165
ResourceJobJoin	166
ResourceJobJoin2	167
ResourceJobLocks	167
ResourceLock	168
ResourceNodeJoin	168
Schedules	169
SecurityPolicy	170
SecurityServiceJoin	172
Service	172
ServiceAction	173
ServiceAgentList	174
ServiceDist	174
ServiceJob	175

ServiceJobRun	177
ServiceNode	180
SNMPAction	182
Statistics	182
StatisticsTotal	183
SystemActivityMessage	184
SystemResource	184
SystemValue	185
UnixAgentList	185
UnixNode	186
UserJoin	187
UserMessage	188
UserSecurityPolicySet	188
UserSecurityServiceSet	189
Users	189
UserService	190
UserSession	191
Variable	191
VariableAction	192
VariableDependency	193
VirtualResource	193
WindowsAgentList	193
WindowsNode	194
WorkGroup	195
WorkGroupRunUser	196
WorkGroupUserJoin	196
ZOSGatewayNode	197

Preface

This guide describes how to generate and use the Tidal Workload Automation (TWA) 6.3.3 REST API.

Audience

This guide is for engineers who want to integrate their applications or systems with Tidal Workload Automation for Workload Management activities.

Related Documentation

For a list of all Tidal Workload Automation guides, see the *Tidal Workload Automation Documentation Overview* of your release on tidalautomation.com at:

<http://docs.tidalautomation.com/>

Note: We sometimes update the documentation after original publication. Therefore, you should also review the documentation on tidalautomation.com for any updates.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see *What's New in Tidal Product Documentation* at:

<https://docs.tidalautomation.com/rss>

Subscribe to *What's New in Tidal Product Documentation*, which lists all new and revised Tidal technical documentation, as an RSS feed and deliver content directly to your desktop using a reader application. The RSS feeds are a free service.

Document Change History

The table below provides the revision history for the *Tidal Workload Automation REST API Reference Guide*.

Table 2-1

Version Number	Issue Date	Reason for Change
6.2	May 2014	Updates for 6.2 release.
6.2.1 (SP2)	May 2015	New examples for many of the REST objects. New Appendix A documenting all REST objects. New Appendix B for how to access REST objects and methods documentation. General content validation and editorial improvements throughout.
6.2.1 (SP3)	February 2016	Moved Appendix B Accessing Documentation for REST API Objects and Methods, page 19 to Chapter 2. Minor edits.
6.3	July 2016	Rebranded “Cisco Tidal Enterprise Scheduler” to “Cisco Workload Automation (CWA)”.
6.3.3	January 2018	Rebranded Cisco Workload Automation (CWA)” to Tidal Workload Automation (TWA)”.

1

Introducing the TWA REST API

Overview

TWA (Tidal Workload Automation) is the premier enterprise job scheduling solution. In addition to the core functionality such as defining agents, agent lists, jobs, job groups, triggers, actions, events, and calendars, TWA provides network support, monitoring and messaging services, security, flexibility, and fault tolerance.

TWA 6.3 allows developers and integrators to customize and/or extend the features using REST API described in this guide.

This chapter introduces you to:

- [REST API Objects, page 11](#)
- [REST API Call Template, page 11](#)

REST API Objects

The basic foundation of REST API is an **ApiObject**. The **ApiObject** provides an abstraction of Tidal Workload Automation objects (thereby hiding the implementation details).

ApiObject is the "root" class and is extended by the base objects such as **Node** and **Action**. The base classes are extended by additional objects such as **MasterNode** and **AlertAction**. A list of currently supported objects in REST API is described in Appendix (A).

ApiObject has fields for maintaining the integrity of the Tidal Workload Automation data Model. The current list includes: **lastChangeTime**, **revision**, and **revisionIndex**

ApiObject has a default behavior of CRUD operations. The list of operations currently includes:

- Create Api object - create()
- Retrieve Api object(s) - get(), getList()
- Update Api object - update()
- Delete Api object - delete()

Some REST API objects may override the basic behavior of the CRUD methods. They may also support additional methods (for example, convenience methods).

A list of selected methods in REST API is described in [Accessing Documentation for REST API Objects and Methods, page 19](#).

Some commonly used objects and methods from REST API are covered in this guide.

REST API Call Template

REST API calls can be described using the following template.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>id_value</id>
  <tes:ApiOperation xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:param1>param1_value</tes:param1>
    ...
    <tes:paramN>paramN_value</tes:paramN>
  </tes:ApiOperation>
</entry>
```

Note: The standard header specifies the use of XML version 1.0 and UTF-8 encoding. The **<entry>** tag specifies the name space (" ") for Atom. An object for REST API has a primary key (identifier) specified by the **<id>** tag. The xml name space **tes** is defined as **.tes:ApiOperation** is the fully qualified name of the method. A method can have one or more parameters.

2

Using the TWA REST API

Overview

There are many ways to invoke the RESTful services available from Tidal Workload Automation . You can browse the services available via a browser as described in:

- [REST API from a Browser, page 13](#)

You can use the Java client to call the services using the `URLConnection` class as illustrated in:

- [Java Client REST API Examples, page 14](#)

You can also access and use the TWA REST API the WebService Adapter and the SOAP UI Tool as illustrated in these sections:

- [TWA APIs in the WebService Adapter, page 17](#)
- [TWA APIs in the SOAP UI Tool, page 18](#)

In addition, you can use a wide variety of third party frameworks such as the Spring Framework RestTemplate or the Apache CXF Framework.

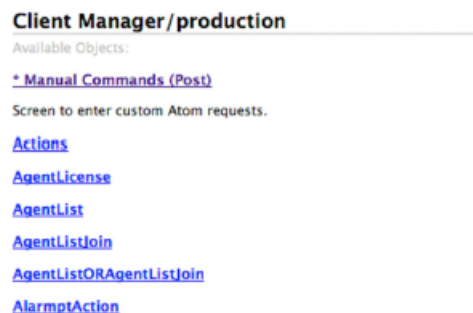
To find documentation for the API objects and methods, see:

- [Accessing Documentation for REST API Objects and Methods, page 19](#)

REST API from a Browser

Before writing code to invoke the REST API, you can browse the services available via a browser. In a live Tidal Workload Automation environment, the URL where the API can be reached is as follows:

Figure 1 REST API browser view



Clicking on the links issues a "GET" request to the API. A "POST" request to the API can also be issued from the browser by using the "Manual Commands (Post)" link.

Figure 2 REST API Post Screen

Client Manager - Manual Commands

Plugin: production

```
<?xml version="1.0" encoding="UTF-8" ?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>3</id>
  <title>HTTP</title>
  <tes:XXX.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:XXX>
      <tes:name></tes:name>
    </tes:XXX>
  </tes:XXX.create>
</entry>
```

REST API Security Notes

The calls to the REST API are subject to the same security restrictions as the same user accessing Tidal Workload Automation UI. In Code Example 1 below, a call is issued to get all of the available jobs. The list of available jobs returned is determined by the user name used in the API call.

Java Client REST API Examples

This section provides four code examples that illustrate using the Java client REST API.

- [Code Example 1 - GET Request, page 14](#)
- [Code Example 2 - POST Request, page 15](#)
- [Code Example 3 - Session Management Using the Session Cookie, page 16](#)
- [Code Example 4 - Execute a Query with Conditions, page 17](#)

Code Example 1 – GET Request

The following Java client issues a GET request to the REST API. This is the equivalent of clicking on the ApiObject link as described in the REST API From Browser section. This example retrieves all of the jobs currently defined in the Tidal Workload Automation environment. The username and password pair is Base64 encoded and passed to the server as the "Authorization" property.

An XML document containing a list of jobs is returned from this call.

```
public static void postRequest() throws Exception
{
    URL url = new URL("http://www.companyscheduler.com:8080/api/tes-6.2/post");
    HttpURLConnection conn = (HttpURLConnection) url.openConnection();
    conn.setRequestMethod("GET");
    conn.setDoInput(true);
    conn.setDoOutput(true);

    String userNamePassword = "myusername:mypassword";
    userNamePassword =
        new String(org.apache.commons.codec.binary.Base64.encodeBase64(userNamePassword
            .getBytes()));
    conn.setRequestProperty("Authorization", userNamePassword);

    conn.connect();
    BufferedReader reader = new BufferedReader(new InputStreamReader(
```

```

        conn.getInputStream());
String resp = "";
String next = null;
while ((next = reader.readLine()) != null)
    resp += next;
System.out.println(resp);
}

```

Code Example 2 – POST Request

Code Example 2 shows a POST request issued to the TWA REST API. The URL for issuing a POST request is always the same: `http://<hostname>:<port>/api/<DSP Name>/ post`.

In the post request, the command to be executed is sent in an URL encoded string. In this particular example, a POST request is sent to insert a job into the schedule. The `<id>` is the id of the job. Other parameters include `<startdate>` - the requested runtime for the job; `<vars>` - local job variable overrides; `<params>` - local job parameter overrides; and `<deps>` - the Y/N value for whether or not to override the job's dependencies.

An XML document acknowledging the job insert is returned.

```

public static void postRequest() throws Exception
{
    URL url = new URL("http://www.companyscheduler.com:8080/api/tes-6.2/post");
    HttpURLConnection conn = (HttpURLConnection) url.openConnection();
    conn.setRequestMethod("POST");
    conn.setDoInput(true);
    conn.setDoOutput(true);

    conn.setRequestProperty("Content-Type", "application/x-www-form-urlencoded");

    String userNamePassword = "myusername:mypassword";
    userNamePassword =
        new String(org.apache.commons.codec.binary.Base64.encodeBase64(userNamePassword
            .getBytes()));
    conn.setRequestProperty("Authorization", userNamePassword);

    String postCommand = "<?xml version=\"1.0\" encoding=\"UTF-8\" standalone=\"yes\" ?>"
        + "<atom:entry xmlns:atom=\"http://purl.org/atom/ns#\">"
+ "<atom:id>1</atom:id><atom:title>api</atom:title>"
+ "<Job.insert>"
+ "<id>2</id>"
+ "<startdate>20110812</startdate>"
+ "<vars></vars>"
+ "<params></params>"
+ "<deps>N</deps>"
+ "</Job.insert>"
+ "</atom:entry>";

    String payload = "data="+ java.net.URLEncoder.encode(postCommand, "ISO-8859-1");

    conn.setRequestProperty("Content-Length", Integer.toString(payload.getBytes().length));
    conn.setFixedLengthStreamingMode(payload.getBytes().length);

    DataOutputStream out = new DataOutputStream(conn.getOutputStream());
    out.writeBytes(payload);
    out.flush();

    BufferedReader reader = new BufferedReader(new InputStreamReader(
        conn.getInputStream()));
    String resp = "";
}

```

```

String next = null;
while ((next = reader.readLine()) != null)
    resp += next;
System.out.println(resp);
}

```

Code Example 3 – Session Management Using the Session Cookie

In both previous code examples, the calls establish new sessions on the server. For typical applications that make repeated calls to the REST API, the best practice is to reuse the established sessions so that the server does not create excessive number of active sessions, which eventually could cause it to run out of memory.

Code Example 3 is an extension of Code Example 1 showing the usages of a cookie for session management.

```

public static void tesGetRequestWithSession() throws Exception
{
String sessionID = null;

for (int i=0; i<10; i++)
{
URL url = new URL(
    "http://www.mycompanyscheduler.com:8080/api/tes-6.2/Job.getList");

URLConnection conn = (URLConnection) url.openConnection();
conn.setRequestMethod("GET");
conn.setDoInput(true);
conn.setDoOutput(true);

if (sessionID == null)
{
String userNamePassword = " myusername:mypassword ";
userNamePassword =
    new String(org.apache.commons.codec.binary.Base64.encodeBase64(userNamePassword
        .getBytes()));
conn.setRequestProperty("Authorization", userNamePassword);
}
else
{
conn.setRequestProperty("Cookie", sessionID);
}

conn.connect();
BufferedReader reader = new BufferedReader(new InputStreamReader(
    conn.getInputStream()));
String resp = "";
String next = null;
while ((next = reader.readLine()) != null)
    resp += next;
System.out.println(resp);

//extract cookie
String setCookies = conn.getHeaderField("Set-Cookie");
if (setCookies != null && sessionID == null)
{
String cookies[] = setCookies.split(";");
if (cookies.length > 0)
    sessionID = cookies[0];
}
}
}

```


Code Example 4 – Execute a Query with Conditions

In Code Example 1, a `GET` request was issued to get a list of all jobs. The `GET` request can accept additional parameters such that the list of jobs returned can be filtered further.

If one needs to get a list of jobs that match a specific name pattern, the `GET` request URL can be constructed as follows:

URL url = `new URL(" http://www.mycompanyscheduler.com:8080/api/tes6.2/Job.getList?query=(Job.name LIKE '%name%')")`

In this case a where clause (`Job.name LIKE '%name%'`) is sent. The `where` clause must be URL encoded. Similarly, other queries using other field names in the `Job` object can be constructed.

The same also be achieved using a `POST` request. The `POST` payload is below. In addition to the **queryCondition**, using the `POST` one could also specify columns needed.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<atom:entry xmlns:atom="http://purl.org/atom/ns#">
  <atom:id>1</atom:id>
  <atom:title>api</atom:title>
  <Job.getList>
    <selectColumns>
      id,ownerid,parentid,parentname,runtimeusername
    </selectColumns>
    <queryCondition>
      (Job.name LIKE '%name%')
    </queryCondition>
  </Job.getList>
</atom:entry>
```

TWA APIs in the WebService Adapter

TWA APIs can be accessed as a TWA `WebService` job as shown here.

WebService Job Definition [Compile_All_Calendars]

WebService Job Name: Compile_All_Calendars

Job Class: [] Owner: tidalsoff\qatest

Parent Group: []

WebService | Schedule | Run | Dependencies | Resources | Job Events | Options | Run Book | Notes | History | Images

REST | Parameters | Output Format | Options

Base URL: http://172.21.47.76:8080/api/tes-6.0

Request Settings

HTTP Method: POST [HTTP Headers...]

Resource Path: /postbody

Content-Type: text/xml [Select v]

Request Body:

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
<id>xxx</id>
<tes:Calendar.compileCalendars
xmlns:tes="http://www.tidalsoftware.com/client
/tesservlet">
</tes:Calendar.compileCalendars>
```

Response Handling

Accept: text/xml, application/xml, application/atom+xml, application/json, application/x-www

Success Response Code(s): 200 (separate by comma, if multiple) [Match Patterns...]

Enabled

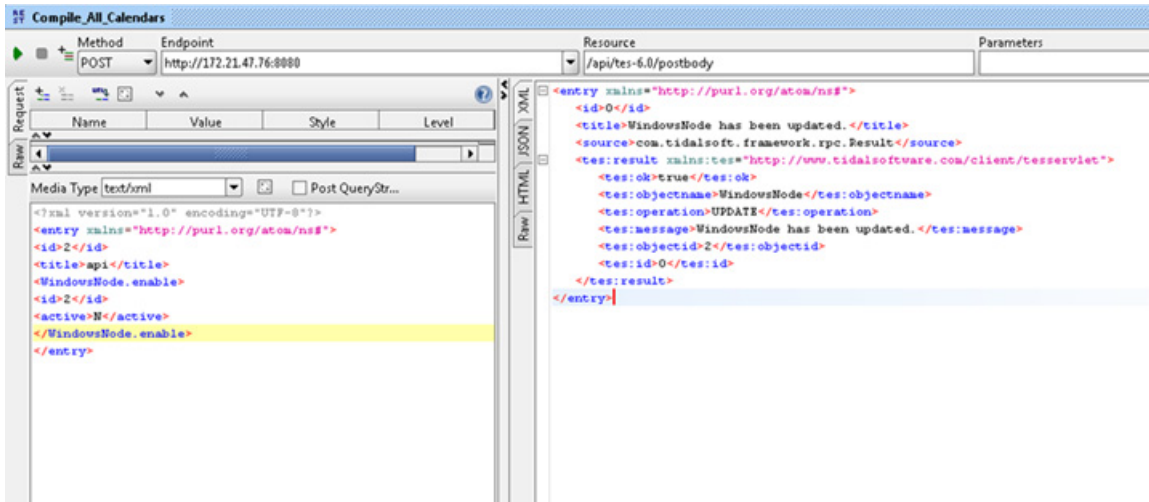
Last Modified: 06/23/2015 15:12:11

TWA APIs in the SOAP UI Tool

TWA APIs can be accessed from SOAP UI tool. The request should be in XML format. The XML Request should be sent to:

```
http://<ClientManager_server_hostname>:<port>/api/<Plugin_Name>/postbody
```

as shown below.



Accessing Documentation for REST API Objects and Methods

Documentation for the REST API Objects and the associated REST API Methods can be accessed:

- In [Appendix A–REST API Object Descriptions, page 53](#) in this document.
- Via the TWA Web or Java Client or your browser as described below.

Method 1:

1. Open the TWA Web or Java Client.
2. From the Help menu, choose **API Docs**.

Method 2:

1. Obtain the Plugin Name from the TWA Web or Java Client:
 - a. Open the TWA Web or Java Client.
 - a. Click **Master Status** in the Navigator. After a few seconds, the Plugin name appears at the top of the panel.
2. Enter this URL in your browser:

```
http://<ClientManager server hostname>:<port>/apidoc/<Plugin Name>
```


3

Calendar

Overview

TWA 6.3 provides predefined calendars. A scheduled job has an associated calendar. TWA 6.3 users may create custom calendars.

Calendar Type

Currently supported calendar types include:

- Daily calendar
- Group calendar
- List calendar
- Monthly calendar with days
- Monthly calendar with weeks
- Subset calendar
- Weekly calendar

Typical Operations

- Get a list of available calendars
- Get a specific calendar
- Compile a single calendar
- Compile all calendars

Note: See [Specifying Calendar Days](#) for information about how calendar days work in TWA .

Specifying Calendar Days

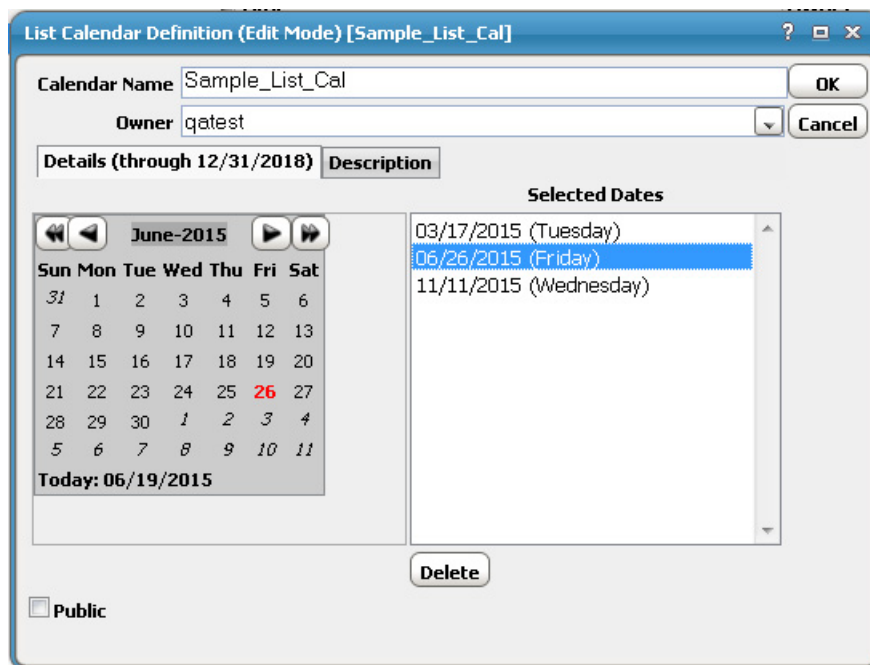
TWA uses two parameters, `dates1` and `dates2`, to identify date periods. `dates1` specifies dates in the first half of the year and `dates2` specifies dates in the second half of the year. The actual dates in each parameter vary slightly in regular years versus leap years as follows:

Table 3-1

Parameter	Dates	Number of Days
Regular year		
dates1	January 1-July 2	183 days
dates2	July 3-December 31	182 days
Leap year (includes February 29)		
dates1	January 1-July 1	183 days
dates2	July 2-December 31	183 days

To specify a particular calendar day, you need to enter a space for each day in the period (up to 182 or 183) with a “Y” in the position of the date. You can specify multiple dates in a period.

For example, let’s say that you want to specify three calendar dates. In the TWA client interface, the dates would be specified as shown here for a calendar named Sample_List_Cal:



In the REST API, you would specify two dates in the `dates1` parameter and the third date in `dates2` as shown here:

```
<tes:calendaryear>
  <tes:calendarname>Sample_List_Cal</tes:calendarname>
  <tes:dates1>
    Y
    Y</tes:dates1>
  <tes:calendaryear>2015</tes:calendaryear>
  <tes:dates2>
    Y</tes:dates2>
  <tes:calendarid>207</tes:calendarid>
</tes:calendaryear>
```

...where there is a space character for every day in the period preceding the specified dates.

When specifying calendar days for `dates1` and `dates2`, keep these rules in mind:

- Only the parameter containing the date you are specifying is required. For example, if you only want to specify dates in the `dates1` period, you do not need to specify `dates2`.
- Trailing spaces are not required. For example, if you want to specify January 1, you would specify `<tes:dates1>Y</tes:dates1>`.

Calendar Examples

Here we provide examples for basic calendar operations. We also provide more complex operations for daily, list, and group calendars like adding and deleting details and conditions and updating calendars.

From the browser, issue and then click **Manual Commands (Post)** to take you to the API post screen of the client. You can test the REST API examples from this screen. For valid parameters and successful execution of a request, you will get a response/result. For invalid parameters and unsuccessful execution of a request, you will get error messages and/or exceptions.

Calendar Example 1 – Get a List of Available Calendars

The **Calendar** object provides a method called **getList**. It has no parameters. The following REST API call will return a list of calendars.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>xxx</id>
  <tes:Calendar.getList xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  </tes:Calendar.getList>
</entry>
```

Calendar Example 2 – Get a Specific Calendar

The **Calendar** object provides a method called **getList**. The parameter called **id** (e.g. 30) is required, and specifies the calendar to be retrieved. The following REST API call will return the specified calendar if it exists and an exception if the calendar cannot be found.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>xxx</id>
  <tes:Calendar.get xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:id>30</tes:id>
  </tes:Calendar.get>
</entry>
```

Calendar Example 3 – Compile a Single Calendar

The **Calendar** object provides a method called **compileSingleCalendar**. The parameter called **id** (e.g. 30) specifies the calendar instance to be compiled. The following REST API call will compile the calendar with **id 12**.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>xxx</id>
  <tes:Calendar.compileSingleCalendar
    xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:id>30</tes:id>
  </tes:Calendar.compileSingleCalendar>
</entry>
```

Calendar Example 4 – Compile All Calendars

The **Calendar** object also provides a method called **compileCalendars**. The parameter called **id** (e.g. 1) is required, but ignored. The following REST API call will compile all calendars.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>xxx</id>
  <tes:Calendar.compileCalendars
    xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  </tes:Calendar.compileCalendars>
</entry>
```

Calendar Example 5 – Create a List Calendar

The following REST API call will create a list calendar that specifies three dates. See [Specifying Calendar Days, page 21](#) following the example to learn how calendar days are specified.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <title>HTTP</title>
  <tes:Calendar.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:calendar>
      <tes:frequency>0</tes:frequency>
      <tes:weekdays>NNNNNNNN</tes:weekdays>
      <tes:type>6</tes:type>
      <tes:id>-2</tes:id>
      <tes:createtime>2015-06-06T00:43:21-0700</tes:createtime>
      <tes:monthdays>NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN</tes:monthdays>
      <tes:ownername>testuser</tes:ownername>
      <tes:intsect>N</tes:intsect>
      <tes:description>My description -- Deployed from WIN-7EL8UQCDFGG
        by domain\testuser on 06/06/2015 12:43:48 AM</tes:description>
      <tes:untildate>2018-12-31T00:00:00-0800</tes:untildate>
      <tes:name>test_list</tes:name>
      <tes:untildateasstring>20181231000000</tes:untildateasstring>
      <tes:offset>0</tes:offset>
      <tes:forecastdate>2018-12-31T00:00:00-0800</tes:forecastdate>
      <tes:ownerid>1</tes:ownerid>
      <tes:pub>Y</tes:pub>
      <tes:weeks>NNNNN</tes:weeks>
      <tes:forecastdateasstring>20181231000000</tes:forecastdateasstring>
      <tes:months>NNNNNNNNNNNNNNNN</tes:months>
      <tes:typestring>List</tes:typestring>
    </tes:calendar>
    <reqops xmlns="" xmlns:ns3="http://purl.org/atom/ns#" objid="uid-2"/>
  </tes:Calendar.create>
  <tes:CalendarYear.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:calendaryear>
      <tes:calendarname>test_list</tes:calendarname>
      <tes:dates1>
        Y
        Y</tes:dates1>
      <tes:calendaryear>2015</tes:calendaryear>
      <tes:dates2>
        Y</tes:dates2>
      <tes:calendarid>207</tes:calendarid>
    </tes:calendaryear>
    <reqops xmlns="" xmlns:ns3="http://purl.org/atom/ns#" objid="uid-21">
      <setprop objid="uid-2" writeprop="calendarId" readprop="@result"/>
    </reqops>
  </tes:CalendarYear.create>
```



```
</entry>
```

Calendar Example 6 – Create a Group Calendar

The following REST API call will create a group calendar with details and a condition.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#"
  <title>HTTP</title>
  <tes:Calendar.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:calendar>
      <tes:weekdays>NNNNNNN</tes:weekdays>
      <tes:frequency>0</tes:frequency>
      <tes:type>1</tes:type>
      <tes:id>-2</tes:id>
      <tes:createtime>2015-06-05T23:35:25-0700</tes:createtime>
      <tes:monthdays>NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN</tes:monthdays>
      <tes:ownername>testuser</tes:ownername>
      <tes:intsect>N</tes:intsect>
      <tes:description>-- Deployed from WIN-7EL8UQCDFGG by domain\testuser
        on 06/06/2015 12:14:53 AM</tes:description>
      <tes:name>test_group_calendar</tes:name>
      <tes:untildate>2018-12-31T00:00:00-0800</tes:untildate>
      <tes:fromdate>2014-01-01T00:00:00-0800</tes:fromdate>
      <tes:untildateasstring>20181231000000</tes:untildateasstring>
      <tes:offset>0</tes:offset>
      <tes:forecastdate>2018-12-31T00:00:00-0800</tes:forecastdate>
      <tes:ownerid>1</tes:ownerid>
      <tes:pub>Y</tes:pub>
      <tes:weeks>NNNNN</tes:weeks>
      <tes:forecastdateasstring>20181231000000</tes:forecastdateasstring>
      <tes:months>NNNNNNNNNNNN</tes:months>
      <tes:fromdateasstring>20140101000000</tes:fromdateasstring>
      <tes:typestring>Group</tes:typestring>
    </tes:calendar>
    <reqops xmlns="" xmlns:ns3="http://purl.org/atom/ns#" objid="uid-2"/>
  </tes:Calendar.create>
  <tes:CalendarChild.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:calendarchild>
      <tes:calendarowner>domain\testuser</tes:calendarowner>
      <tes:sequencenumber>1</tes:sequencenumber>
      <tes:parentid>356</tes:parentid>
      <tes:parentname>.Daily1</tes:parentname>
      <tes:offset>0</tes:offset>
      <tes:logic>1</tes:logic>
    </tes:calendarchild>
    <reqops xmlns="" xmlns:ns3="http://purl.org/atom/ns#" objid="uid-21">
      <setprop objid="uid-2" writeprop="calendarId" readprop="@result"/>
    </reqops>
  </tes:CalendarChild.create>
  <tes:CalendarCondition.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:calendarcondition>
      <tes:actionid>0</tes:actionid>
      <tes:calendarname>test_group_calendar</tes:calendarname>
      <tes:sequencenumber>1</tes:sequencenumber>
      <tes:action>1</tes:action>
      <tes:calendarid>206</tes:calendarid>
      <tes:offset>0</tes:offset>
      <tes:conflictcalendarid>1</tes:conflictcalendarid>
    </tes:calendarcondition>
    <reqops xmlns="" xmlns:ns3="http://purl.org/atom/ns#" objid="uid-21">
```

```

        <setprop objid="uid-2" writeprop="calendarId" readprop="@result"/>
    </reqops>
</tes:CalendarCondition.create>
</entry>

```

Calendar Example 7 – Create a Daily Calendar with Details and a Condition

The following REST API call creates a daily calendar with details and a condition.

```

<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <title>HTTP</title>
  <tes:Calendar.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:calendar>
      <tes:weekdays>NYYYYYN</tes:weekdays>
      <tes:frequency>1</tes:frequency>
      <tes:type>2</tes:type>
      <tes:id>-2</tes:id>
      <tes:createtime>2015-06-06T00:52:53-0700</tes:createtime>
      <tes:monthdays>NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN</tes:monthdays>
      <tes:ownername>testuser</tes:ownername>
      <tes:intsect>N</tes:intsect>
      <tes:description>My description -- Deployed from WIN-7EL8UQCDFGG
        by domain\testuser on 06/06/2015 12:53:08 AM</tes:description>
      <tes:name>test_daily</tes:name>
      <tes:untildate>2018-12-31T00:00:00-0800</tes:untildate>
      <tes:fromdate>2014-01-01T00:00:00-0800</tes:fromdate>
      <tes:untildateasstring>20181231000000</tes:untildateasstring>
      <tes:offset>0</tes:offset>
      <tes:forecastdate>2018-12-31T00:00:00-0800</tes:forecastdate>
      <tes:ownerid>1</tes:ownerid>
      <tes:pub>Y</tes:pub>
      <tes:weeks>NNNNN</tes:weeks>
      <tes:forecastdateasstring>20181231000000</tes:forecastdateasstring>
      <tes:months>NNNNNNNNNNNNNN</tes:months>
      <tes:fromdateasstring>20140101000000</tes:fromdateasstring>
      <tes:typestring>Daily</tes:typestring>
    </tes:calendar>
    <reqops xmlns="" xmlns:ns3="http://purl.org/atom/ns#" objid="uid-2"/>
  </tes:Calendar.create>
  <tes:CalendarCondition.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:calendarcondition>
      <tes:actionid>0</tes:actionid>
      <tes:calendarname>test_daily</tes:calendarname>
      <tes:sequencenumber>1</tes:sequencenumber>
      <tes:action>1</tes:action>
      <tes:calendarid>208</tes:calendarid>
      <tes:offset>0</tes:offset>
      <tes:conflictcalendarid>1</tes:conflictcalendarid>
    </tes:calendarcondition>
    <reqops xmlns="" xmlns:ns3="http://purl.org/atom/ns#" objid="uid-21">
      <setprop objid="uid-2" writeprop="calendarId" readprop="@result"/>
    </reqops>
  </tes:CalendarCondition.create>
</entry>

```

Calendar Example 8 – Delete a Detail in a Calendar

The following REST API call deletes a calendar detail (CalendarChild).

```

<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">

```

```

<title>HTTP</title>
<tes:CalendarChild.delete xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  <tes:calendarchild>
    <tes:id>253</tes:id>
    <tes:calendarowner>domain\testuser</tes:calendarowner>
    <tes:calendarname>test_group_calendar</tes:calendarname>
    <tes:sequencenumber>1</tes:sequencenumber>
    <tes:calendarid>376</tes:calendarid>
    <tes:parentid>356</tes:parentid>
    <tes:parentname>.Daily1</tes:parentname>
    <tes:offset>0</tes:offset>
    <tes:logic>1</tes:logic>
  </tes:calendarchild>
</tes:CalendarChild.delete>
</entry>

```

Calendar Example 9 – Delete a Condition in a Calendar

The following REST API call deletes a condition in a calendar.

```

<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <title>HTTP</title>
  <tes:CalendarCondition.delete
    xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:calendarcondition>
      <tes:id>332</tes:id>
      <tes:actionid>0</tes:actionid>
      <tes:calendarname>test_group_calendar</tes:calendarname>
      <tes:sequencenumber>1</tes:sequencenumber>
      <tes:calendarid>376</tes:calendarid>
      <tes:action>1</tes:action>
      <tes:conflictcalendarname>Daily</tes:conflictcalendarname>
      <tes:offset>0</tes:offset>
      <tes:conflictcalendarid>1</tes:conflictcalendarid>
    </tes:calendarcondition>
  </tes:CalendarCondition.delete>
</entry>

```

Calendar Example 10 – Add Details and Conditions in a Group Calendar

The following REST API call adds details and a condition to a calendar.

```

<?xml version="1.0" encoding="UTF-8" ?>
<entry xmlns="http://purl.org/atom/ns#">
  <title>HTTP</title>
  <tes:Calendar.update xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:calendar>
      <tes:weekdays>NNNNNNNN</tes:weekdays>
      <tes:frequency>0</tes:frequency>
      <tes:type>1</tes:type>
      <tes:id>376</tes:id>
      <tes:createtime>2015-06-05T23:35:25-0700</tes:createtime>
      <tes:monthdays>NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN</tes:monthdays>
      <tes:ownername>testuser</tes:ownername>
      <tes:intsect>N</tes:intsect>
      <tes:description>-- Updated from WIN-7EL8UQCDFGG by domain\testuser
        on 06/06/2015 12:27:06 AM</tes:description>
      <tes:name>test_group_calendar</tes:name>
      <tes:untildate>2018-12-31T00:00:00-0800</tes:untildate>
      <tes:fromdate>2014-01-01T00:00:00-0800</tes:fromdate>
    </tes:calendar>
  </tes:Calendar.update>
</entry>

```

```

    <tes:untildateasstring>20181231000000</tes:untildateasstring>
    <tes:offset>0</tes:offset>
    <tes:forecastdate>2018-12-31T00:00:00-0800</tes:forecastdate>
    <tes:ownerid>1</tes:ownerid>
    <tes:pub>Y</tes:pub>
    <tes:weeks>NNNNN</tes:weeks>
    <tes:forecastdateasstring>20181231000000</tes:forecastdateasstring>
    <tes:months>NNNNNNNNNN</tes:months>
    <tes:fromdateasstring>20140101000000</tes:fromdateasstring>
    <tes:typestring>Group</tes:typestring>
  </tes:calendar>
  <reqops objid="uid376" xmlns="" xmlns:ns3="http://purl.org/atom/ns#" />
</tes:Calendar.update>
<tes:CalendarChild.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  <tes:calendarchild>
    <tes:calendarowner>domain\testuser</tes:calendarowner>
    <tes:sequencenumber>1</tes:sequencenumber>
    <tes:parentid>356</tes:parentid>
    <tes:parentname>.Daily1</tes:parentname>
    <tes:offset>0</tes:offset>
    <tes:logic>1</tes:logic>
  </tes:calendarchild>
  <reqops objid="uid3761" xmlns="" xmlns:ns3="http://purl.org/atom/ns#">
    <setprop objid="uid376" readprop="@result" writeprop="calendarId" />
  </reqops>
</tes:CalendarChild.create>
-<tes:CalendarChild.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  <tes:calendarchild>
    <tes:calendarowner>domain\testuser</tes:calendarowner>
    <tes:sequencenumber>2</tes:sequencenumber>
    <tes:parentid>1</tes:parentid>
    <tes:parentname>Daily</tes:parentname>
    <tes:offset>0</tes:offset>
    <tes:logic>1</tes:logic>
  </tes:calendarchild>
  <reqops objid="uid3762" xmlns="" xmlns:ns3="http://purl.org/atom/ns#">
    <setprop objid="uid376" readprop="@result" writeprop="calendarId" />
  </reqops>
</tes:CalendarChild.create>
<tes:CalendarCondition.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  <tes:calendarcondition>
    <tes:actionid>0</tes:actionid>
    <tes:calendarname>test_group_calendar</tes:calendarname>
    <tes:sequencenumber>1</tes:sequencenumber>
    <tes:action>1</tes:action>
    <tes:calendarid>206</tes:calendarid>
    <tes:offset>0</tes:offset>
    <tes:conflictcalendarid>1</tes:conflictcalendarid>
  </tes:calendarcondition>
  <reqops objid="uid3761" xmlns="" xmlns:ns3="http://purl.org/atom/ns#">
    <setprop objid="uid376" readprop="@result" writeprop="calendarId" />
  </reqops>
</tes:CalendarCondition.create>
</entry>

```

Calendar Example 11 – Delete Calendar Days in a List Calendar

The following REST API call deletes three calendar days from a list calendar. See [Specifying Calendar Days, page 21](#) to learn how calendar days are specified.

```

<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <title>HTTP</title>

```

```

<tes:CalendarYear.delete xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  <tes:calendaryear>
    <tes:id>8901</tes:id>
    <tes:calendarname>test_list</tes:calendarname>
    <tes:dates1>
      Y
      Y</tes:dates1>
    <tes:calendaryear>2015</tes:calendaryear>
    <tes:dates2>
      Y</tes:dates2>
    <tes:calendaryear>2015</tes:calendaryear>
    <tes:calendarid>377</tes:calendarid>
  </tes:calendaryear>
</tes:CalendarYear.delete>
</entry>

```

Calendar Example 12 – Add Calendar Days to a List Calendar

The following REST API call adds three calendar days to a list calendar. See [Specifying Calendar Days, page 21](#) following the example to learn how calendar days are specified.

```

<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <title>HTTP</title>
  <tes:Calendar.update xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:calendar>
      <tes:frequency>0</tes:frequency>
      <tes:weekdays>NNNNNNN</tes:weekdays>
      <tes:type>6</tes:type>
      <tes:id>377</tes:id>
      <tes:createtime>2015-06-06T00:43:21-0700</tes:createtime>
      <tes:monthdays>NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN</tes:monthdays>
      <tes:ownername>testuser</tes:ownername>
      <tes:intsect>N</tes:intsect>
      <tes:description>My description -- Updated from WIN-7EL8UQCDFGG
        by domain\testuser on 06/06/2015 12:46:33 AM</tes:description>
      <tes:untildate>2018-12-31T00:00:00-0800</tes:untildate>
      <tes:name>test_list</tes:name>
      <tes:untildateasstring>20181231000000</tes:untildateasstring>
      <tes:offset>0</tes:offset>
      <tes:forecastdate>2018-12-31T00:00:00-0800</tes:forecastdate>
      <tes:ownerid>1</tes:ownerid>
      <tes:pub>Y</tes:pub>
      <tes:weeks>NNNNN</tes:weeks>
      <tes:forecastdateasstring>20181231000000</tes:forecastdateasstring>
      <tes:months>NNNNNNNNNNNNNN</tes:months>
      <tes:typestring>List</tes:typestring>
    </tes:calendar>
    <reqops xmlns="" xmlns:ns3="http://purl.org/atom/ns#" objid="uid377"/>
  </tes:Calendar.update>
  <tes:CalendarYear.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    -<tes:calendaryear>
      <tes:calendarname>test_list</tes:calendarname>
      <tes:calendaryear>2015</tes:calendaryear>
      <tes:dates1>
        Y
        Y</tes:dates1>
      <tes:calendaryear>2015</tes:calendaryear>
      <tes:dates2>
        Y</tes:dates2>
    </tes:calendaryear>
  </tes:CalendarYear.create>
</entry>

```

```

    <tes:calendarid>207</tes:calendarid>
  </tes:calendaryear>
  <reqops xmlns="" xmlns:ns3="http://purl.org/atom/ns#" objid="uid3771">
    <setprop objid="uid3771" writeprop="calendarId" readprop="@result"/>
  </reqops>
</tes:CalendarYear.create>
</entry>

```

Calendar Example 13 – Delete a Condition in a Daily Calendar

The following REST API call deletes a condition in a daily calendar.

```

<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <title>HTTP</title>
  <tes:CalendarCondition.delete
    xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:calendarcondition>
      <tes:id>334</tes:id>
      <tes:actionid>0</tes:actionid>
      <tes:calendarname>test_daily</tes:calendarname>
      <tes:sequencenumber>1</tes:sequencenumber>
      <tes:calendarid>378</tes:calendarid>
      <tes:action>1</tes:action>
      <tes:conflictcalendarname>Daily</tes:conflictcalendarname>
      <tes:offset>0</tes:offset>
      <tes:conflictcalendarid>1</tes:conflictcalendarid>
    </tes:calendarcondition>
  </tes:CalendarCondition.delete>
</entry>

```

Calendar Example 14 – Add a Condition to a Daily Calendar

The following REST API call adds a condition to a daily calendar.

```

<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <title>HTTP</title>
  <tes:Calendar.update xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:calendar>
      <tes:weekdays>NYYYYYN</tes:weekdays>
      <tes:frequency>1</tes:frequency>
      <tes:type>2</tes:type>
      <tes:id>378</tes:id>
      <tes:createtime>2015-06-06T00:52:53-0700</tes:createtime>
      <tes:monthdays>NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN</tes:monthdays>
      <tes:ownername>testuser</tes:ownername>
      <tes:intsect>N</tes:intsect>
      <tes:description>My description -- Updated from WIN-7EL8UQCDFGG
        by domain\testuser on 06/06/2015 12:59:22 AM</tes:description>
      <tes:name>test_daily</tes:name>
      <tes:untildate>2018-12-31T00:00:00-0800</tes:untildate>
      <tes:fromdate>2014-01-01T00:00:00-0800</tes:fromdate>
      <tes:untildateasstring>20181231000000</tes:untildateasstring>
      <tes:offset>0</tes:offset>
      <tes:forecastdate>2018-12-31T00:00:00-0800</tes:forecastdate>
      <tes:ownerid>1</tes:ownerid>
      <tes:pub>Y</tes:pub>
      <tes:weeks>NNNNN</tes:weeks>
      <tes:forecastdateasstring>20181231000000</tes:forecastdateasstring>
      <tes:months>NNNNNNNNNNNN</tes:months>
      <tes:fromdateasstring>20140101000000</tes:fromdateasstring>
    </tes:calendar>
  </tes:Calendar.update>
</entry>

```

```

    <tes:ypestring>Daily</tes:ypestring>
  </tes:calendar>
  <reqops xmlns="" xmlns:ns3="http://purl.org/atom/ns#" objid="uid378"/>
</tes:Calendar.update>
<tes:CalendarCondition.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  <tes:calendarcondition>
    <tes:actionid>0</tes:actionid>
    <tes:calendarname>test_daily</tes:calendarname>
    <tes:sequencenumber>1</tes:sequencenumber>
    <tes:action>1</tes:action>
    <tes:calendarid>208</tes:calendarid>
    <tes:offset>0</tes:offset>
    <tes:conflictcalendarid>1</tes:conflictcalendarid>
  </tes:calendarcondition>
  <reqops xmlns="" xmlns:ns3="http://purl.org/atom/ns#" objid="uid3781">
    <setprop objid="uid378" writeprop="calendarId" readprop="@result"/>
  </reqops>
</tes:CalendarCondition.create>
<tes:CalendarCondition.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  <tes:calendarcondition>
    <tes:actionid>0</tes:actionid>
    <tes:calendarname>test_daily</tes:calendarname>
    <tes:sequencenumber>2</tes:sequencenumber>
    <tes:action>1</tes:action>
    <tes:calendarid>208</tes:calendarid>
    <tes:conflictcalendarid>39</tes:conflictcalendarid>
  </tes:calendarcondition>
  <reqops xmlns="" xmlns:ns3="http://purl.org/atom/ns#" objid="uid3782">
    <setprop objid="uid378" writeprop="calendarId" readprop="@result"/>
  </reqops>
</tes:CalendarCondition.create>
</entry>

```

Calendar Example 15 – Delete a Calendar

The following REST API call deletes a calendar.

```

<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>376</id>
  <title>HTTP</title>
  <tes:Calendar.delete xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:Calendar>
      <tes:id>376</tes:id>
    </tes:Calendar>
  </tes:Calendar.delete>
</entry>

```


4

Job

Overview

A job is a set of instructions about how, when and where to perform an automated task. In the job rule definition, one can specify an alias (short name) for the job, a command or script to run, an agent or a list of agents needed to run the job, the days and times to run the job, the dependencies (job, file, variable, time) and constraints that need to be satisfied before the job can be run, and other runtime criteria (such as parameter overrides, interception and job control).

A job can be defined and saved. The saved job definition can be scheduled for running as a scheduled job or an unscheduled (ad hoc) job. Jobs may be grouped into a hierarchy, where each job in the group can inherit properties from its parent group. Job groups can belong to other job groups.

A job's or job group's definition can be added to the production schedule either manually on demand or automatically through a calendar.

Job Type

Currently supported job types include:

- DataMoverJob
- EventsJob
- FTPJob
- JobGroup
- MPEJob
- OS400Job
- OSJob
- OVMSBatch
- OVMSCommand
- OVMSJob
- ServiceJob

Job is the base of TWA 6.3 job types. The FTPJob, JobGroup, MPEJob, OS400Job, OSJob, OVMSBatch, OVMSCommand, OVMSJob and ServiceJob objects are derived from Job and share a common base structure.

Job Instance

A job instance has its own life cycle, with the associated statuses, in the production schedule.

A typical life cycle is one where the job:

- waits in the production schedule for its dependencies to be met (Waiting On Dependencies).
- enters a queue and waits for an execution slot to become available (Waiting On Resource).
- launches on its designated agent (Launched).
- starts execution successfully on its designated agent (Active).
- completes normally (Completed Normally).

Other statuses (for example, Completed Abnormally) are also possible depending on certain conditions and exceptions.

Typical Operations

- List all job definitions
- Get a job definition
- Create a job or a job group
- Insert a job or a job group into the production schedule
- Update a job
- Delete a job

Job Examples

From the browser, issue `curl` and then click **Manual Commands (Post)** to take you to the API post screen of the Client Manager. You can test the REST API examples from that screen. For valid parameters and successful execution of a request, you will get a response/result. For invalid parameters and unsuccessful execution of a request, you will get error messages and/or exceptions.

Job Example 1 – Get a List of Available Job Definitions

The **Job** object provides a method called **getList**. This method has no parameters. The following REST API call will return a list of job definitions.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>xxx</id>
  <tes:Job.getList xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  </tes:Job.getList>
</entry>
```

Job Example 2 – Get a Specific Job Definition

The **Job** object provides a method called **get**. The parameter called **id** (e.g. 732) is required, and specifies the job definition to be retrieved. The following REST API call will return the specified job definition if it exists and an exception if the job definition cannot be found.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>xxx</id>
  <tes:Job.get xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:id>732</tes:id>
  </tes:Job.get>
</entry>
```

Job Example 3 – Create a Simple Job

The **Job** object provides the create method. This example illustrates how to create a simple job.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>xxx</id>
  <tes:Job.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:job>
      <tes:name>abc_job1</tes:name>
      <tes:type>2</tes:type>
      <tes:active>Y</tes:active>
      <tes:ownerid>1</tes:ownerid>
      <tes:command>hostname</tes:command>
      <tes:runuserid>9</tes:runuserid>
      <tes:agentid>59</tes:agentid>
      <tes:saveoutputoption>Y</tes:saveoutputoption>
    </tes:job>
  </tes:Job.create>
</entry>
```

Job Example 4 – Create a Job with Many Parameters

The **Job** object provides the create method. The method has many parameters, but not all are required. Default values can be used by TWA 6.3 for optional parameters.

```
<?xml version="1.0" encoding="UTF-8">
<entry xmlns="http://purl.org/atom/ns#">
  <id>xxx</id>
  <tes:Job.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:job>
      <tes:name>abc_job1</tes:name>
      <tes:type>2</tes:type>
      <tes:active>Y</tes:active>
      <tes:ownerid>1</tes:ownerid>
      <tes:command>hostname</tes:command>
      <tes:runuserid>9</tes:runuserid>
      <tes:agentid>59</tes:agentid>
      <tes:saveoutputoption>Y</tes:saveoutputoption>
      <tes:normalexitfromrange>0</tes:normalexitfromrange>
      <tes:inheritoptions>Y</tes:inheritoptions>
      <tes:parentid>3</tes:parentid>
      <tes:repeatcount>0</tes:repeatcount>
      <tes:nearoutage>3</tes:nearoutage>
      <tes:allowunscheduled>Y</tes:allowunscheduled>
      <tes:exitcodenormaloperator>1</tes:exitcodenormaloperator>
      <tes:description> Description </tes:description>
      <tes:priority>50</tes:priority>
      <tes:concurrency>1</tes:concurrency>
      <tes:repeatinterval>0</tes:repeatinterval>
      <tes:childrencount>0</tes:childrencount>
      <tes:estimatedmethod>1</tes:estimatedmethod>
      <tes:parentname>xxx Group</tes:parentname>
      <tes:isnotes>false</tes:isnotes>
      <tes:timewindowoption>0</tes:timewindowoption>
      <tes:dependencylogic>1</tes:dependencylogic>
      <tes:inheritagent>Y</tes:inheritagent>
      <tes:normalexittorange>0</tes:normalexittorange>
      <tes:isrunbook>false</tes:isrunbook>
      <tes:repeat />
      <tes:trackingmethod>1</tes:trackingmethod>
```

```

<tes:waitOperator>N</tes:waitOperator>
<tes:disablecarryover>0</tes:disablecarryover>
<tes:dirty />
<tes:durationestimated>60</tes:durationestimated>
<tes:durationminimum>60</tes:durationminimum>
<tes:inheritcalendar>Y</tes:inheritcalendar>
<tes:jobdetailid>22</tes:jobdetailid>
<tes:alias>22</tes:alias>
<tes:historyretention>30</tes:historyretention>
<tes:calendaroffset>0</tes:calendaroffset>
<tes:excludeabnormalduration>4</tes:excludeabnormalduration>
<tes:allowrerun>Y</tes:allowrerun>
<tes:rerundependency>N</tes:rerundependency>
<tes:savelogonly>N</tes:savelogonly>
<tes:saveoutputoption>N</tes:saveoutputoption>
<tes:durationmaximum>60</tes:durationmaximum>
<tes:inherittimewindow>N</tes:inherittimewindow>
<tes:inheritrepeat>N</tes:inheritrepeat>
</tes:job>
</tes:Job.create>
</entry>

```

Job Example 5 – Insert a Job into the Schedule

The **Job** object provides the insert method. One can specify the attributes of the Job (see the following sample XML).

```

<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>1</id>
  <tes:Job.insert
    xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:id>xxx</tes:id>
    <tes:startdate>xxx</tes:startdate>
    <tes:fromtime>xxx</tes:fromtime>
    <tes:params>xxx</tes:params>
    <tes:vars>xxx</tes:vars>
    <tes:deps>xxx</tes:deps>
  </tes:Job.insert>
</entry>

```

Job Example 6 – Update a JobGroup with a Variable Update

The **JobGroup** object illustrates the update method. This example defines three group variables (moe = 5, larry = 10, curly = 15) in a group with id 248. Larry is updated from 10 to 20. Current values for moe and curly are also supplied or those variables will be removed. The type (1 = group) and the agent id (2) are required or else the API will reject the change. Finally, the embedded xml tags need to be escaped as shown.

```

<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>3</id>
  <tes:JobGroup.update xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:jobgroup>
      <tes:id>248</tes:id>
      <tes:type>1</tes:type>
      <tes:agentid>2</tes:agentid>
      <tes:variables> <variables>
        <variables:row> <variables:name>moe</variables:name> <variables:value>5</variables:value>
      </variables:row>
        <variables:row> <variables:name>larry</variables:name> <variables:value>20</variables:value>
      </variables:row>
    </tes:jobgroup>
  </tes:JobGroup.update>
</entry>

```

```

        <variables:row> <variables:name>curly</variables:name> <variables:value>15</variables:value>
    </variables:row>
    </variables> </tes:variables>
</tes:jobgroup>
</tes:JobGroup.update>
</entry>

```

Job Example 7 – Update an SAP ServiceJob

This example **ServiceJob** object updates an SAP job.

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>153</id>
  <title>TESTSAP</title>
  <source>com.tidalsoft.webclient.tes.dsp.db.datatypes.ServiceJob</source>
  <tes:ServiceJob.update xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:servicejob>
      <tes:servicename>SAP</tes:servicename>
      <tes:extendedinfo><?xml version="1.0" encoding="UTF-8" standalone="yes"?><saptask
xmlns:ns2="http://www.tidalsoftware.com/scheduler/sapadapter"><userid>4</userid><username>tidalqa</
username><properties/><parameters/><externuid></externuid><jobname>TESTSAP</jobname><clonetag></clo
netag><trackchildren>Y</trackchildren><stepcount>1</stepcount><recipient></recipient><copy>
</copy><blindcopy> </blindcopy><express> </express><noforwarding>
</noforwarding><deliver></deliver><noprint>
</noprint><mailstatus></mailstatus><fromstep>0</fromstep><steps><step><stepid>1</stepid><steptype>2
</steptype><type>ABAP/4</type><stepname>BTCTEST</stepname><stepparams>ASWIN</stepparams><abap><id>1
</id><type>2</type><params>ASWIN</params><varientvalue></varientvalue><oldvariant>ASWIN</oldvariant
><runtimevariant></runtimevariant><tempvariant></tempvariant><language></language><abaprogram>BTCT
EST</abaprogram><printparams><newrequest>N</newrequest><spoolname></spoolname><priority>5</priorit
y><retention>8</retention><rows>0</rows><column>0</column><format></format><sapcover>D</sapcover><os
cover>D</oscover><selcover>N</selcover><recipient></recipient><department></department></printpara
ms><varientvalues/><outputdevice></outputdevice><copies>1</copies><authorization></authorization><t
itle></title><delete>N</delete><print>N</print><objtype></objtype><doctype></doctype><info></info><
archive>N</archive><printimmediately>N</printimmediately><pm>1</pm><cmd>BTCTEST (ASWIN) </cmd></abap
</step></steps></saptask></tes:extendedinfo>
      <tes:summaryonly>Y</tes:summaryonly>
      <tes:type>8</tes:type>
      <tes:active>Y</tes:active>
      <tes:serviceid>20</tes:serviceid>
      <tes:ownerid>1</tes:ownerid>
      <tes:id>153</tes:id>
      <tes:name>TESTSAP</tes:name>
    </tes:servicejob>
  </tes:ServiceJob.update>
</entry>

```


5

JobRun

Overview

Associated with a Job is JobRun. JobRun is used to monitor and assign status, and take actions (e.g. cancel, rerun) based on the current status.

JobRun Type

Currently supported job run types include:

- DataMoverJobRun
- FTPJobRun
- JobRunGroup
- MPEJobRun
- OS400JobRun
- OSJobRun
- OVMSBatchJobRun
- OVMSCommandJobRun
- OVMSJobRun
- QueuedJobRun
- ServiceJobRun

The TWA 6.3 job run types listed above share a common JobRun base structure.

Typical Operations

- Assign status
- Cancel
- Cancel all
- Hold
- Override a JobRun instance
- Override a JobDependency instance
- Release

- Remove
- Rerun

JobRun Examples

From the browser, issue and then click **Manual Commands (Post)** to take you to the API post screen of the Client Manager. You can test the REST API examples from that screen. For valid parameters and successful execution of a request, you will get a response/result. For invalid parameters and unsuccessful execution of a request, you will get error messages and/or exceptions.

JobRun Example 1 – Override a JobRun Instance

The **JobRun** object provides a method called **override**. The parameter called **id** (e.g. 120) specifies the JobRun instance to be overridden. The following REST API call will override JobRun 120.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>xxx</id>
  <tes:JobRun.override xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:id>120</tes:id>
  </tes:JobRun.override>
</entry>
```

JobRun Example 2 – Override a JobDependency Instance of a JobRun

The **JobRun** object provides a method called **overrideDependency**. The method has two parameters. The first parameter called **id** (e.g. 124) specifies the JobRun instance. The second parameter called **jobrundepid** (e.g. 40) specifies the JobDep (Job dependency) instance. The following REST API call will override JobDependency 40 of JobRun 124.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>1</id>
  <tes:JobRun.overrideDependency xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:id>124</tes:id>
    <tes:jobrundepid>40</tes:jobrundepid>
  </tes:JobRun.overrideDependency>
</entry>
```

JobRun Example 3 – Cancel a JobRun

The **JobRun** object provides a method called **cancel**.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>1</id>
  <tes:JobRun.cancel xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:id>xxx</tes:id>
  </tes:JobRun.cancel>
</entry>
```

JobRun Example 4 – Set the Status of a JobRun

The **JobRun** object provides a method called **assignStatus**.

```
<?xml version="1.0" encoding="UTF-8"?>
```



```
<entry xmlns="http://purl.org/atom/ns#">
  <id>1</id>
  <tes:JobRun.assignStatus xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:id>xxx</tes:id>
    <tes:status>status_value</tes:status>
  </tes:JobRun.assignStatus>
</entry>
```

JobRun Example 5 – Hold a JobRun

The **JobRun** object provides a method called **hold**.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
<tes:JobRun.hold xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  <tes:id>1067326</tes:id>
</tes:JobRun.hold>
</entry>
```

JobRun Example 6 – Release a JobRun

The **JobRun** object provides a method called **release**.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
<tes:JobRun.release xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  <tes:id>1067326</tes:id>
</tes:JobRun.release>
</entry>
```

JobRun Example 7 – Rerun a JobRun

The **JobRun** object provides a method called **rerun**.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
<tes:JobRun.rerun xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  <tes:id>1067327</tes:id>
</tes:JobRun.rerun>
</entry>
```


6

Node

Overview

All TWA 6.3 configurations have a Master node (also known as the Primary Master node). TWA systems with licenses for Fault Tolerance will also have a Backup Master node and a Fault Monitor mode. Some TWA systems may also have a Remote Master.

TWA systems also allow licensing of TWA Agent nodes for selected OS and platforms.

Agent types (such as MVS, OVMS, Service, Unix, and Windows) support Agent List and an associated ordering (e.g. sequential, random, load balancing) of the agents in the Agent List.

Node Type

Node is the base of TWA 6.3 node types.

Currently supported node types include:

- AgentNode (base class of agents)
- BackupMasterNode
- FaultMonitorNode
- MasterNode
- MPENode
- MVSNode
- Node
- OS400Node
- OVMSNode
- RemoteMasterNode
- ServiceNode
- UnixNode
- WindowsNode
- ZOSGatewayNode

Typical Operations

The Master Node supports the following:

- Check master connection status
- Update
- Stop scheduler
- Resume scheduler
- Create schedule
- Start today's schedule
- Pause schedule
- Pause queues
- Resume queues
- Reconnect

Common operations for an Agent node include:

- Add an agent - The operation is similar to adding a node but it associates with an agent such as Windows, UNIX, etc.
- Enable an agent - The operation is similar to enabling a connection
- Disable an agent - The operation is similar to disabling a connection

Common operations for an Agent List include:

- Get all agents by agent list id

Node Examples

From the browser, issue `curl` and then click **Manual Commands (Post)** to take you to the API post screen of the Client Manager. You can test the REST API examples from that screen. For valid parameters and successful execution of a request, you will get a response/result. For invalid parameters and unsuccessful execution of a request, you will get error messages and/or exceptions.

Node Example 1 – Get a List of Available Nodes

The **Node** object provides a method called `getList`. It has no parameters. The following REST API call will return a list of nodes.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>xxx</id>
  <tes:Node.getList xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  </tes:Node.getList>
</entry>
```

Node Example 2 – Create a Schedule in the Master

The **MasterNode** object provides a method called `createSchedule`. The parameter called `id` (e.g. 1) specifies the master node. Additional parameters specify whether we need forecast, and the duration (start and end dates). The following REST API call will create a schedule for the specified node and period if the values are valid and an exception with appropriate error message for invalid data.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
```

```

<id>xxx</id>
<tes:MasterNode.createSchedule xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  <tes:id>1</tes:id>
  <tes:forecast></tes:forecast>
  <tes:fromDate>20100828</tes:fromDate>
  <tes:toDate>20100831</tes:toDate>
</tes: MasterNode.createSchedule>
</entry>

```

Node Example 3 – Add a Windows Agent Node and Enable It

The **WindowsNode** object provides a method called **create**. The parameter type (6 = Agent) specifies the node type to be created. The parameter ostype (1 = Windows) specifies the node type to be created. The parameter active (Y or N) indicates whether the node should be enabled or disabled. The following REST API call will add a Windows agent node and enable it.

```

<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <tes:WindowsNode.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:WindowsNode>
      <tes:runuserdomain>tidalsoft</tes:runuserdomain>
      <tes:port>5912</tes:port>
      <tes:machine>winserver.dom</tes:machine>
      <tes:runuser>30</tes:runuser>
      <tes:joblimit>10</tes:joblimit>
      <tes:type>6</tes:type>
      <tes:ostype>1</tes:ostype>
      <tes:name>Win_Agent</tes:name>
      <tes:active>Y</tes:active>
    </tes:WindowsNode>
  </tes:WindowsNode.create>
</entry>

```

Node Example 4 – Enable or Disable a Windows Node

The **WindowsNode** object provides a method called **enable**. The parameter active (Y or N) indicates whether the node should be enabled or disabled. The following REST API call will disable a Windows agent node with the id 69.

```

<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>69</id>
  <title>api</title>
  <WindowsNode.enable>
    <id>69</id>
    <active>N</active>
  </WindowsNode.enable>
</entry>

```


7

Action

Overview

Action is the base of TWA 6.3 action types. An action is associated with a job and/or event.

Action Type

Currently supported action types include:

- AlarmptAction
- AlertAction
- EmailAction
- ITOAction
- JobAction
- LogAction
- ServiceAction
- SNMPAction
- VariableAction

Typical Operations

- Get a list of available actions
- Create a Variable action with a variable and the update type (e.g. set, increment, decrement)
- List all available actions
- Set a variable value
- Create a web service action

Action Examples

From the browser, issue `and` then click **Manual Commands (Post)** to take you to the API post screen of the Client Manager. You can test the REST API examples from that screen. For valid parameters and successful execution of a request, you will get a response/result. For invalid parameters and unsuccessful execution of a request, you will get error messages and/or exceptions.

Action Example 1 – Get a List of Available Actions

The **Action** object provides a method called **getList**. It has no parameters. The following REST API call will return a list of nodes.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>xxx</id>
  <tes:Action.getList xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  </tes:Action.getList>
</entry>
```

Action Example 2 – Set the Value of a Variable

The **VariableAction** object provides a method called **create**. The parameter **updatetype** (1) specifies the type of update (1 = set, 2 = increment, 3 = decrement). The parameter **varid** (count) specifies the id of the variable to be updated. The parameter **value** (10) specifies the value of the variable to be updated (set, incremented, or decremented). The following REST API call sets the value of the specified variable.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>xxx</id>
  <tes:VariableAction.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:updatetype>1</tes:updatetype>
    <tes:varid>count</tes:varid>
    <tes:value>10</tes:value>
  </tes:VariableAction.create>
</entry>
```

Action Example 3 – Update a Variable

The **Variable** object provides a method called **update**. You have to supply the id of the variable (118), the new value in <innervalue> (5), and the type of variable (1 for String type).

Note: Technically, you shouldn't have to supply the type since you are not changing the type, but it is required or an exception is thrown.

The following REST API call updates the specified variable.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>3</id>
  <tes:Variable.update xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:variable>
      <tes:id>118</tes:id>
      <tes:type>1</tes:type>
      <tes:innervalue>5</tes:innervalue>
    </tes:variable>
  </tes:Variable.update>
</entry>
```

Action Example 4 – Create a Value Variable

The **VariableAction** object provides a method called **create**. The parameter **updatetype** (1) specifies the type of update (1 = set, 2 = increment, 3 = decrement). The parameter **varid** (13) specifies the id of the variable to be updated. The parameter **value** (5) specifies the value of the variable to be updated (set, incremented, or decremented). The following REST API call sets the value of the specified variable and provides master, owner, and public flag information.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
```



```

<title>One</title>
<tes:VariableAction.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
<tes:VariableAction>
  <tes:name>One</tes:name>
  <tes:varname>aaa</tes:varname>
  <tes:varid>13</tes:varid>
  <tes:value>5</tes:value>
  <tes:mastername>Windows Master</tes:mastername>
  <tes:ownername>TIDALSOFT\testuser</tes:ownername>
  <tes:updatetype>1</tes:updatetype>
  <tes:masterid>1</tes:masterid>
  <tes:ownerid>1</tes:ownerid>
  <tes:publicflag>Y</tes:publicflag>
</tes:VariableAction>
</tes:VariableAction.create>
</entry>

```

Action Example 5 – Update the Value of a Variable

The **VariableAction** object provides a method called **update**. The parameter **updatetype** (1) specifies the type of update (1= set, 2 = increment, 3 = decrement). The parameter **varid** (13) specifies the id of the variable to be updated. The parameter **value** (7) specifies the value of the variable to be updated (set, incremented, or decremented). The following REST API call updates the value of the specified variable and provides master, owner, and public flag information.

```

<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <title>One</title>
  <tes:VariableAction.update xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
  <tes:VariableAction>
    <tes:id>31</tes:varid>
    <tes:name>One</tes:name>
    <tes:varname>aaa</tes:varname>
    <tes:varid>13</tes:varid>
    <tes:value>7</tes:value>
    <tes:mastername>Windows Master</tes:mastername>
    <tes:ownername>TIDALSOFT\testuser</tes:ownername>
    <tes:updatetype>1</tes:updatetype>
    <tes:masterid>1</tes:masterid>
    <tes:ownerid>1</tes:ownerid>
    <tes:publicflag>Y</tes:publicflag>
  </tes:VariableAction>
  </tes:VariableAction.update>
</entry>

```

Action Example 6 – Create a Web Service Action

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>xxx</id>
  <title>API</title>
  <tes:ServiceAction.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:ServiceAction>
      <tes:name>test123</tes:name>
      <tes:ownerid>1</tes:ownerid>
      <tes:serviceid>26</tes:serviceid>
      <tes:serviceinfo> <webserviceaction> <properties/> <parameters/> <conn>80</conn>
      <wsttimeout>75</wsttimeout> <cmd>POST</cmd> <request_headers/> <http_method>POST</http_method>
      <form_parameters/> <accept_type>text/xml, application/xml, application/atom+xml, application/json,
      application/x-www-form-urlencoded</accept_type> <success_statuses>200</success_statuses>
      <oauth_parameter_override>N</oauth_parameter_override> <oauth_parameters/> </webserviceaction>
    </tes:serviceinfo>
    <tes:connectionid>80</tes:connectionid>
  </tes:ServiceAction>
</tes:ServiceAction.create>
</entry>
```

Action Example 7 – Create a Web Service Action with Parameters

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>xxx</id>
  <title>API</title>
  <tes:ServiceAction.create xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:ServiceAction>
      <tes:name>testAction</tes:name>
      <tes:ownerid>6</tes:ownerid>
      <tes:serviceid>25</tes:serviceid>
      <tes:connectionid>56</tes:connectionid>
      <tes:publicflag>Y</tes:publicflag>
      <tes:serviceinfo> < action> < wsttimeout>75</wsttimeout>< cmd>POST</cmd> < request_headers/><
      conn>56</conn> < http_method>POST</http_method>< resource_path/> < request_body>& lt;?xml
      version="1.0" encoding="UTF-8"?&gt; & lt;AlarmMessage&gt; &
      lt;ReferenceID&gt;;JobName&lt;/ReferenceID&gt; & lt;DateTime&gt;;Date&lt;/DateTime&gt; &
      lt;Subject&gt;Some subject&lt;/Subject&gt; & lt;InstanceName&gt;;Agent&lt;/InstanceName&gt; &
      lt;/AlarmMessage&gt;< /request_body>< form_parameters/> < content_type/>< accept_type>text/xml,
      application/xml, application/atom+xml, application/json,
      application/x-www-form-urlencoded</accept_type> < success_statuses>200</success_statuses><
      match_type/> < match_it/>< match_not/> < oauth_parameter_override>N</oauth_parameter_override> <
      params>< pcount>0</pcount>< /params>< /action> </tes:serviceinfo>
    </tes:ServiceAction>
  </tes:ServiceAction.create>
</entry>
```

8

Queues

Overview

TWA 6.3 has predefined queues (for example, system queue). The queues may be further classified as:

- Queue for long running scheduled jobs
- Queue for short scheduled jobs
- Queue for long running unscheduled (ad-hoc) jobs
- Queue for short running unscheduled (ad-hoc) jobs

Typical Operations

- Enable a specified queue (and make it active)
- Set system queue limit – This operation specifies the number of jobs from the queue that can run at the same time

Queue Examples

From the browser, issue and then click **Manual Commands (Post)** to take you to the API post screen of the Client Manager. You can test the REST API examples from that screen. For valid parameters and successful execution of a request, you will get a response/result. For invalid parameters and unsuccessful execution of a request, you will get error messages and/or exceptions.

Queue Example 1 – Enable a Queue

The **Queue** object provides a method called **enable**. The first parameter **id** (e.g. 1) specifies the queue. The second parameter **active** (e.g. Y) specifies the status. The following REST API call will enable the specified queue and make it active.

```
<?xml version="1.0" encoding="UTF-8"?>
<entry xmlns="http://purl.org/atom/ns#">
  <id>xxx</id>
  <tes:Queue.enable xmlns:tes="http://www.tidalsoftware.com/client/tesservlet">
    <tes:id>1</tes:id>
    <tes:active>Y</tes:joblimit>
  </tes:Queue.enable>
</entry>
```


A

Appendix A—REST API Object Descriptions

The following tables define the TWA objects and their parameters. This information is provided:

Name—The parameter name. An asterisk indicates that this is a required parameter.

Type—The parameter data type.

Internal Field—A 'Y' Indicates parameters that are internal fields. An internal field means that you do not supply the value in the REST API.

Description—A description of the parameter.

Actions

This is a base object for all other Action objects and is not invoked as an object itself.

Table A-1

Name	Type	Internal Field?	Description
description	String		Description (length 4000)
id	Int		Id (primary key)
name	String		Object Name (length 64)
ownerid	Integer		Owner Id (either user or workgroup)
ownername	String		Owner name
publicflag	String		Public flag? (Y/N)
serviceid	Integer		Id (primary key)
type	Integer		Object name (length 64)

AdapterLicense

Table A-2

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
count	String		Number of license count per adapter/service connection(s) allowed.
floating	String		It is a floating license
fullname	String		Full name. getFullName and setFullName.
guid	String		GUID. getGUID and setGUID.

Table A-2

Name	Type	Internal Field?	Description
id	Integer		Id (primary key) of Service. getId and setId.
lastchangetime	Date	Y	Last change time for this record in the master database.
name	String		Object name of AgentLicense
options	String		Additional license information, such as SAP BW.
recordname	String		Name of Master model object name
serviceid	Integer		Service ID
unlimited	String		It is an unlimited license.

AgentLicense

Table A-3

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
cpucount	String		Number of CPUs licensed for the agent
demo	String		Demo license for the agent
expiration	String		Expiration data of AgentLicense
floating	String		Floating license for the Agent
id	Integer		Id (primary key)
jobs	Integer		Jobs.
lastchangetime	Date	Y	Last change time for this record in the master database.
license	String		Agent License
limit	String		Limit of AgentLicense
maxjobs			
name	String		Object name of AgentLicense
ostype	String		Operating system type of the agent
recordname	String		Name of Master model object name
serial	String		Serial of AgentLicense
servicexml	String		Service xml fo agent portion of a service connection

AgentList

Table A-4

Name	Type	Internal Field?	Description
description	String		Description (length 4000)
fullpath	String		FullPath (length 4000)
id	Integer		Id (primary key)
lastusermodifiedtime	Date	Y	Last user modified time

Table A-4

Name	Type	Internal Field?	Description
listtype	Short		List type (short)
name	String		Object name of (length 64)
ostype	Short		Operating system type (short)
parentid	Integer		Parent ID

AgentListJoin

Table A-5

Name	Type	Internal Field?	Description
active	String		Agent active status of the associated agent whether enabled or disabled.
agentlistid	Integer		Agent list id of the parent record
agentseq	Short		The order (short) of this agent in the list
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionid	Integer		AgentID of this associated agent
connectionactive	String		Agent connection active status of the associated agent.
connectionname	String		Agent name of this associated agent.
connlastchangetime	Date		Agent connection details last change time in the master database.
connlastusermodifiedtime	Date		Agent connection last user modified time.
connclientcachelastchangetime	Date		Last time the associated agent details was updated in the plugin cache.
fullpath	String		Full path which contains the parents details.
id	Integer		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
recordname	String		Name of Master model object name

AgentNode

Table A-6

	Type	Internal Field?	Description
joblimit	Short		Job limit (applies to all except Email, TA and z/OS)
machine	String		Machine name (1024 chars)
port	Short		Agent port
runuser	Integer		Runtime user

AlarmptAction

Table A-7

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
contact	String		Contact User ID or TWA Variable resolving to a User ID to be notified of the AP event.
description	String		Description (length 4000).
escalation	String		Escalation User ID or TWA Variable resolving to a User ID. It is only required for Option to escalate. getEscalation and setEscalation .
id	Integer		Id (primary key).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time.
name	String		Object name (length 64).
options	String		Alarmpoint action options (length 30). Alarmpoint menu options to be sent to AP (e.g., YYNNNNNNNN)
ownerid	Integer		Owner id (either user or workgroup).
publicflag	String		Public flag? (Y/N).
recordname	String		Name of Master model object name.
recoveryjobid	Integer		Recovery Job ID for Option to add recover job. getRecoveryJobID and setRecoveryJobID .

Alert

Table A-8

Name	Type	Internal Field?	Description
alertlevel	Short		Level (short).
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description (clob 512M)

Table A-8

Name	Type	Internal Field?	Description
id	int		Id (primary key)
jobid	Integer		Job Id
jobrunid	Integer		Jobrun Id
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
recordname	String		Name of Master model object name.
response	String		Response
responsetime	Date	Y	Response time (Date)
responsetimeasstring	String		Response time (String)
responseuser	Integer		Response user
state	Short		State (Short)
time	Date	Y	Time (Date)
timeasstring	String		Time (Date) of Alert. getTimeAsString and setTimeAsString
type	Short		Type (Short)

AlertAction

Table A-9

Name	Type	Internal Field?	Description
alertlevel	Short		Level (short).
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description (clob 512M)
id	Integer		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
message	String		Message
name	String		Object name (length 64).
ownerid	Integer		Owner id (either user or workgroup).
publicflag	String		Public flag? (Y/N).
recordname	String		Name of Master model object name.

BackupMasterNode

Table A-10

Name	Type	Internal Field?	Description
active	String		Active? (Y/N). getActive, setActive and hasValueActive.
activejobs	Short		Number of jobs currently running on agent. getActivejobs, setActivejobs and hasValueActivejobs.
agentload	Integer		Current load of the agent. getAgentLoad, setAgentLoad and hasValueAgentLoad.
agentversion	String		The version of the agent. getAgentversion, setAgentversion and hasValueAgentversion.
bmcclientport	Short		Client to Backup Master port (short).
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionactive	String		ConnectionActive? (Y/N). getConnectionActive, setConnectionActive and hasValueConnectionActive.
currentoutageend	Date		The DateTime at which the current outage will end, or null if not currently in an outage period. getCurrentoutageend, setCurrentoutageend and hasValueCurrentoutageend.
currentoutageendasstring	String		Current outage end.
description	String		Description (clob 512M)
id	int		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
machine	Short		Machine name (length 1024) of BackupMasterNode
name	String		Name (length 64). getName, setName and hasValueName.
nextoutagebegin	Date		The DateTime at which the next outage will begin, or null if currently in an outage period or none are defined for the node. getNextoutagebegin, setNextoutagebegin and hasValueNextoutagebegin.
nextoutagebeginasstring	String		Next outage begin.
nodeuserid	Integer		Node user. getNodeUserID, setNodeUserID and hasValueNodeUserID.
ostype	Short		Os type. getOstype, setOstype and hasValueOstype.
port	Short		Backup to master port
recordname	String		Name of Master model object name.
serviceid	Integer		Service id. getServiceID, setServiceID and hasValueServiceID.
timediff	Integer		Time difference between master and agent. getTimediff, setTimediff and hasValueTimediff.
timezone	String		Time zone of Node. getTimezone, setTimezone and hasValueTimezone.
type	Short		Node type. getType, setType and hasValueType.
varset	String		Variable set for this connection (clob 6M).

BusinessUnit

Table A-11

Name	Type	Internal Field?	Description
active	String		Active? (Y/N). getActive, setActive and hasValueActive.
alias	Short		Level (short).
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
data	String		Data
description	String		Description (clob 512M)
dirty	String		Dirty (length 16)
dstzoffset	Integer		
id	Integer		Id (primary key)
indstzperiod	String		
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time (Date)
masterzoffset	Integer		
name	String		BusinessUnit name (length 128).
publicflag	String		Public flag? (Y/N).
recordname	String		Name of Master model object name.
timezoneid	String		MasterjavaTimeZone java timezone id. (length 64)
tzname	String		
utctzoffset	Integer		

BusinessView

Table A-12

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
groupid	Integer		Group id
id	Integer		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time (Date)
layout	String		Layout (clob)
name	String		Name (length 256)
ownerid	Integer		Owner Id
ownername	String		Owner name of the record.

Table A-12

Name	Type	Internal Field?	Description
publicflag	String		Public flag? (Y/N)
recordname	String		Name of Master model object name
viewjobs	Integer		View jobs

Calendar

Table A-13

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendar	Integer		Calendar
calendarname	String		Calendar name.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
createtime	Date	Y	Time of calendar creation
description	String		Description of Calendar
fiscal	Short		Fiscal calendar
fiscalname	String		
forecastdate	Date		Calendar forecast date (Date)
forecastdateasstring	String		Calendar forecast date (String)
frequency	Short		Frequency
fromdate	Date		From date (Date)
fromdateasstring	String		From date (String)
id	Integer		Id (primary key)
intsect	String		Intsect (length 7)
lastchangetime	Date	Y	Last user modified time
lastcompiletime	Date	Y	Last compile time
lastusermodifiedtime	Date	Y	Last user modified time
monthdays	String		Days in month (length 32)
months	String		Calendar months (length 12)
name	String		Calendar name (length 64)
occur	Short		Occur
offset	Short		Offset
ownerid	Integer		Owner Id
ownername	String		Owner name of the record.
pub	String		Pub
recordname	String		Name of Master model object name
subtype	Short		Calendar subtype
timeframe	Short		Time frame
totalcount	Short		Total count

Table A-13

Name	Type	Internal Field?	Description
type	Short		Calendar type
typestring	String		Type string (e.g. Group)
untildate	Date		Until date (Date)
untildateasstring	String		Until date (String)
weekdays	String		Week days (length 7)
weeks	String		Weeks (length 5)

CalendarChild

Table A-14

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarid	Integer		Calendar id
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
id	int		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
logic	Short		Logic
offset	Short		Offset
parentid	Integer		Parent Id
recordname	String		Name of Master model object name
sequencenumber	Short		Sequence number

CalendarCondition

Table A-15

Name	Type	Internal Field?	Description
action	Short		Action
actionid	Integer		Action Id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarid	Integer		Calendar Id
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
conflictcalendarid	Integer		Conflict calendar Id
id	int		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.

Table A-15

Name	Type	Internal Field?	Description
offset	Short		Offset
recordname	String		Name of Master model object name
sequencenumber	Short		Sequence number

CalendarPrint

Table A-16

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendar	Integer		Calendar
calendarname	String		Calendar name.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
createtime	Date	Y	Time of calendar creation
description	String		Description of Calendar
fiscal	Short		Fiscal calendar
fiscalname	String		
forecastdate	Date		Calendar forecast date (Date)
forecastdateasstring	String		Calendar forecast date (String)
frequency	Short		Frequency
fromdate	Date		From date (Date)
fromdateasstring	String		From date (String)
id	Integer		Id (primary key)
intsect	String		Intsect (length 7)
lastchangetime	Date	Y	Last user modified time
lastcompiletime	Date	Y	Last compile time
lastusermodifiedtime	Date	Y	Last user modified time
monthdays	String		Days in month (length 32)
months	String		Calendar months (length 12)
name	String		Calendar name (length 64)
occur	Short		Occur
offset	Short		Offset
ownerid	Integer		Owner Id
ownername	String		Owner name of the record.
pub	String		Pub
recordname	String		Name of Master model object name
subtype	Short		Calendar subtype
timeframe	Short		Time frame
totalcount	Short		Total count

Table A-16

Name	Type	Internal Field?	Description
type	Short		Calendar type
typestring	String		Type string (e.g. Group)
untildate	Date		Until date (Date)
untildateasstring	String		Until date (String)
weekdays	String		Week days (length 7)
weeks	String		Weeks (length 5)

CalendarYear

Table A-17

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarid	Integer		Calendar id
calendaryear	Integer		Calendar year
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
dates1	String		Dates1 (length 183)
dates2	String		Dates2 (length 183)
id	Integer		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
recordname	String		Name of Master model object name

CalendarYear2

Table A-18

Name	Type	Internal Field?	Description
calcddate	Date		
calendarid	Integer		Calendar id
forecast	String		
id	Integer		Id (primary key)

DataMoverJob

Table A-19

Name	Type	Internal Field?	Description
active	String		Active (length 1)
agentid	Integer		Agent id
agentlistid	Integer		Agent list id
alias	String		Alias (length 16).
allowrerun	String		Allow rerun (length 1)
allowunscheduled	String		Allow unscheduled (length 1).
alternateoutputfile	String		Alternate output file (length 4000)
as3protocol	String		Amazon S3 protocol, such as http, https...
bucketname	String		Bucket Name (length 2048).
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarfromdate	Date		Calendar from date (Date).
calendarfromdateasstring	Date		Calendar from date (String).
calendarid	Integer		Calendar id
calendaroffset	Short		Calendar offset.
calendaruntildate	Date		Calendar until date (Date).
calendaruntildateasstring	String		Calendar until date (String).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concurrency	Short		Concurrency.
contenttype	String		Content type.
createtime	Date	Y	Create time.
custommetadata	String		Custom metadata (length 2048).
datamoveroperation	String		Data Mover operation.
datamoverprotocol	String		Data Mover protocol.
deletesource	String		Delete source file after copy file.(Y/N)
dependencylogic	Short		Dependency logic.
dirty	String		Dirty (length 1).
disablecarryover	Short		Disable carryover.
durationestimated	Integer		Estimated duration.
durationmaximum	Integer		Maximum duration.
durationminimum	Integer		Minimum duration.
encoding	String		Encoding.
environmentfile	String		Environment file (length 4000).
estimatedmethod	Short		Estimated method.
excludeabnormalduration	Integer		Exclude abnormal duration.

Table A-19

Name	Type	Internal Field?	Description
exitcodenormaloperator	Short		Exit code normal operator.
expirationruleid	String		Expiration rule id.
expirationtm	Integer		Expiration time.
extendedinfo	String		Extended info.
filename	String		File name (length 2048).
fullpath	String		Full path (length 4000).
hasparent	String		Job has parent.
hdfsdestfile	String		HDFS Destination file (length 2048).
hdfssourcefile	String		HDFS Source file (length 2048).
historyretention	Short		Retention history.
id	Integer		Id (primary key).
imageid	Integer		Image Id.
imagelinkid	Integer		Image link Id.
imagelumt	Date		
imagetype	String		Type of image.
inheritagent	String		Inherit agent (length 1).
inheritcalendar	String		Inherit calendar (length 1).
inheritoptions	String		Inherit options (length 1).
inheritrepeat	String		Inherit time window (length 1).
inherittimewindow	String		Inherit time window (length 1).
ismd5	String		Use MD5
isnotes	Boolean		Is notes.
isrunbook	Boolean		Is run book.
jobclassid	Integer		Job class id.
jobclassimageid	Integer		
jobclassimagelumt	Date		
jobclassimagetype	String		
jobdeplist	String		Job dependency list.
jobdetailid	Integer		Job detail id.
kerberoskdc	String		Kerberos KDC.
kerberosrealm	String		Kerberos Realm.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
localdestfile	String		Local destination file (length 2048).
localsourcefile	String		Local source file(s) with comma separator.
matchetag	String		Matching e-tag (length 2048).
maxconnections	Integer		Max connections.
maxretries	Integer		Max retries.

Table A-19

Name	Type	Internal Field?	Description
maxtimeout	Integer		Max timeout.
name	String		Job name (length 256).
namenodeuri	String		Name Node URI.
nearoutage	Short		Near Outage.
normalexitfromrange	Short		From range of normal exit.
normalexittorange	Short		To range of normal exit.
notes	String		Notes.
notmatchetag	String		None matching e-tag (length 2048).
objectname	String		Object name (length 2048).
objectversion	String		Object version.
overwritetest	String		Overwrite destination file.(Y/N)
ownerid	Integer		Owner id.
parameters	String		Parameters.
parentactive	String		Job's parent active status if exists.
parentid	Integer		Parent id.
parentname	String		Parent name (length 4000).
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
recordname	String		Name of Master model object name
repeat	String		Repeat.
repeatcount	Short		Repeat count.
repeatinterval	Short		Repeat interval of Job.
rerundependency	String		Rerun dependency (length 1).
runbook	String		Run book.
runuserid	Integer		Runuser id.
s3localpath	String		Local path file(s) with comma separator.
saveoutputoption	String		Option to save output (length 1).
serverencryption	String		Object version.
serviceid	Integer		Service id.
successorsvalue	String		Has successor (length 1).
targetfilename	String		Target file name.
timewindowfromtime	Date		Time window from time (Date).
timewindowfromtimeasstring	String		Time window from time (String).
timewindowoption	Short		Time window option.
timewindowuntiltime	Date		Time window until time (Date).
timewindowuntiltimeasstring	String		Time window until time (String).
trackingcommand	String		Tracking Command (length 4000).
trackingmethod	Short		Tracking method.
type	Short		Type of Job.

Table A-19

Name	Type	Internal Field?	Description
unixprofile	Short		Unix profile.
usekerberos	String		Use Kerberos Authentication.
useragent	String		User agent.
variables	String		Variables.
varsetnodeid	Integer		VariableSet node id.
waitOperator	String		Wait operator.
workingdirectory	String		Working directory (length 4000).

DataMoverJobRun

Table A-20

Name	Type	Internal Field?	Description
actualstarttime	Date	Y	Actual start time (Date).
actualstarttimeasstring	String		Actual start time (String).
adhoc	Short		Agent instance.
agentinstance	Short		Agent instance.
alias	String		Allow rerun (length 1)
allowadhoc	String		Allow unscheduled (length 1).
as3protocol	String		Amazon S3 protocol, such as http, https...
batch	Short		Batch.
bucketname	String		Bucket Name (length 2048).
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calcdatetimevarlist	String		Calc date var list (clob 32M).
calendarid	Integer		Calendar id
carryover	Short		Carry over.
childjobloadedflag	Date		Child job loaded flag (length 1).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concur	Short		Concur
contenttype	String		Content type.
currentteststarttime	Date	Y	Current estimated start time.
currentteststarttimeasstring	String		Current estimated start time (String). getCurrentEstimatedStartTimeAsString, setCurrentEstimatedStartTimeAsString and hasValueCurrentEstimatedStartTimeAsString.
custommetadata	String		Custom metadata (length 2048).

Table A-20

Name	Type	Internal Field?	Description
datamoveroperation	String		Data Mover operation.
datamoverprotocol	String		Data Mover protocol.
deletesource	String		Delete source file after copy file.(Y/N)
dependencylogic	Short		Dependency logic.
dependencies	String		Dependencies.
dependencyrerun	String		Dependency rerun (length 1).
deptextlength	Integer		Dependency text length.
dirty	String		Dirty (length 1).
duration	Integer		Duration.
encoding	String		Encoding.
envfile	String		Environment file (length 4000).
estimatedduration	Integer		Estimated duration.
estimatedstarttime	Date		Estimated start time (Date).
estimatedstarttimeasstring	String		Estimated start time (String).
estmethod	Short		Estimation method.
exitcode	Integer		Exit code.
expirationruleid	String		Expiration rule id.
expirationtm	Integer		Expiration time.
expire	Date		Expiration date.
expireasstring	String		Expiration date.
extendedinfo	String		Extended info.
externidstring	String		External id (String).
filename	String		File name (length 2048).
flags1	Integer		Flags1.
fromstep	Short		From step.
fromtime	Date		From time (Date).
fromtimeasstring	String		From time (String).
fullpath	String		Full path (length 4000).
groupinstance	Short		Group instance.
hasdependents	String		Has dependents (length 1).
hasresourceslockedflag	String		Has resources locked flag (length 1).
hdfsdestfile	String		HDFS Destination file (length 2048).
hdfssourcefile	String		HDFS Source file (length 2048).
id	Integer		Id (primary key).
ignoretimedependency	String		Ignore time dependency (length 1).
instance	Integer		Instance.
interval	Short		Interval.
intervalcount	Short		Interval count.
ismd5	String		Use MD5.

Table A-20

Name	Type	Internal Field?	Description
jobclassid	Integer		Job class id.
jobid	Integer		Job id.
jobparentid	Integer		Job parent id.
jobrunxml	String		Job run xml (clob 32M).
kerberoskdc	String		Kerberos KDC.
kerberosrealm	String		Kerberos Realm.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
launchacknowledged	Integer		Launch acknowledged.
launchtime	Date	Y	Launch time (Date).
launchtimeasstring	String		Launch time (String).
localdestfile	String		Local destination file (length 2048).
localsourcefile	String		Local source file(s) with comma separator.
matchetag	String		Matching e-tag (length 2048).
maxconnections	Integer		Max connections.
maxretries	Integer		Max retries.
maxruntime	Integer		Maximum run time.
maxtimeout	Integer		Max timeout.
metflag	String		Met flag (length 1).
minruntime	Integer		Minimum run time.
name	String		Job name (length 256).
namenodeuri	String		Name Node URI.
nearoutage	Short		Near Outage.
nodeid	Integer		Node id.
odelistid	Integer		Node list id.
nontimedependencies	String		Non time dependencies (length 1).
normalexit	Short		Normal exit.
normalop	Short		Normal op.
normalrange	Short		Normal range.
notes	String		Notes.
notmatchetag	String		None matching e-tag (length 2048).
objectname	String		Object name (length 2048).
objectversion	String		Object version.
originalstatus	Short		Original status.
outputlength	Integer		Output length.
outputname	String		Output name (length 4000).
outputtxt	String		Output text (length 1).
overwritetest	String		Overwrite destination file.(Y/N)

Table A-20

Name	Type	Internal Field?	Description
owner	Integer		Owner.
params	String		Parameters.
parentid	Integer		Parent id.
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
productiondate	Date		Production date.
productiondateasstring	String		Production date (String). getProductionDateAsString and setProductionDateAsString
proxy2	Integer		Proxy2.
queueid	Integer		Queue id.
queuetime	Date	Y	Queue time.
queuetimeasstring	String		Queue time.
recordname	String		Name of Master model object name
rerun	String		Rerun (length 1).
reruns	Short		Reruns.
resetsuccessor	String		Reset successor (length 1).
runbook	String		Run book.
rundate	Date		Run date.
rundateasstring	String		Run date.
runinfoxml	String		Info xml (clob 32M).
runuserid	Integer		Run user id.
s3localpath	String		Local path file(s) with comma separator.
saveonly	String		Save log only (length 1).
saveoutput	String		Save output (length 1).
serverencryption	String		Object version.
serviceid	Integer		Service id.
startrundate	Date		Start Run date for a group.
startrundateasstring	String		Start Run date for a group.
status	Short		Status.
statuschangetime	Date	Y	Status change time.
statuschangetimeasstring	String		Status change time.
successorlist	String		Successor list (clob 32M).
successorsvalue	String		Has successor (length 1).
targetfilename	String		Target file name.
timebatch	Short		Time batch.
timedifference	Integer		Time difference.
timewindow	Short		Time window.
trackcommand	String		Tracking Command (length 4000).
trackmethod	Short		Tracking method.
transactionid	Integer		Transaction id.

Table A-20

Name	Type	Internal Field?	Description
triggeractionrun_transaction	Integer		Trigger action run transaction.
triggeractionrunid	Integer		Trigger action run id.
type	Short		Type of Job.
untiltime	Date		Until time (Date).
untiltimeasstring	String		Until time (String).
usekerberos	String		Use Kerberos Authentication.
useragent	String		User agent.
variables	String		Variables.
varsetnodeid	Integer		VariableSet node id.
waitop	String		Wait op (length 1).
workingdirectory	String		Working directory (length 4000).
xmldata	String		Xml data.

DependencyUnion

Table A-21

Name	Type	Internal Field?	Description
connectionid	Integer		Connection Id.
connectionname	String		
depjobid	Integer		
depjobname	String		
depjobparent	String		
depjobserviceid	Integer		
depjobtype	Short		
fileextent	Long		
filename	String		File name.
filetype	Short		File type.
id	Integer		Id (primary key).
inheritedagentname	String		
jobconnectionid	Integer		
jobconnectionname	String		
jobid	Integer		Job Id.
jobname	String		Name of the job.
jobserviceid	Integer		
type	Integer		
variableid	Integer		
operator	Short		

Table A-21

Name	Type	Internal Field?	Description
varownerid	Integer		
varownername	String		
varvalue	String		

EmailAction

Table A-22

Name	Type	Internal Field?	Description
attachment	String		Attachment (path to any attachments to include in the email)
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description (length 4000)
fromaddr	String		From email address (length 4000)
id	Integer		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
message	String		Message (email content)
name	String		Object name (length 64).
otheraddress	String		External email addresses to send to (e.g. Other email addresses)
ownerid	Integer		Owner id (either user or workgroup).
ownername	String		Name of the owner of the record.
publicflag	String		Public flag? (Y/N).
recordname	String		Name of Master model object name.
subject	String		Subject of the email (length 1024)
toaddresses	String		Delimited list of user id's containing the email address of token for the workgroup to send to.

EventActionJoin

Table A-23

Name	Type	Internal Field?	Description
actionid	Integer		Action id (link into the actions)
actionname	String		
actionserviceid	Integer		
actiontype	Integer		
actionorder	Integer		The order of the action within the event

Table A-23

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
id	int		Id (primary key)
jobcontrol	Short		Type of job contrl in the case of Job Control action. This value is saved back to the linked event record.
lastchangetime	Date	Y	Last change time for this record in the master database.
recordname	String		Name of Master model object name.
rerunmax	Integer		Maximum number of reruns in the case of Job Control action
triggerid	Integer		Trigger ID (link into the events)
type	Integer		Action type

EventActionRun

Table A-24

Name	Type	Internal Field?	Description
actionid	Integer		Action id (link into the actions)
actionname	String		
actionserviceid	Integer		
actiontype	Integer		
actionorder	Integer		The order of the action within the event
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
createdate	Date	Y	Create date
createdateasstring	String		Create date (String) getCreateDateAsString setCreateDateAsString
data	String		Data of EventActionRun
eventid	Integer		Event id
eventname	String		Event name.
expire	Date		Expiration date
id	int		Id (primary key)
jobid	Integer		Job id
jobname	String		Name of the job.
jobrunid	Integer		Job run id
lastchangetime	Date	Y	Last change time for this record in the master database.
nodeid	Integer		Node id

Table A-24

Name	Type	Internal Field?	Description
nodename	String		Node name.
nodetarget	Integer		Node target
parentid	String		Parent id
payload	String		Payload (clob 64M)
recordname	String		Name of Master model object name.
rundate	String		Run date
rundateasstring	String		Run date (String) getRunDateAsString setRunDateAsString
serviceid	Integer		Service id
servicetarget	Integer		Service target.
status	Integer		Status
transactionvalue	Integer		Transaction value
userid	Integer		User id

EventCalendarJoin

Table A-25

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarid	Integer		Calendar id
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
fromdate	Date		From date (Date)
fromdateasstring	String		From date (String)
id	int		Id (primary key)
ignoreconstraints	String		Ignore constraints (length 1)
ignoreoccurrence	String		Ignore occurrence (length 1)
ignoreTimeWindow	String		Ignore time window (length 1)
lastchangetime	Date	Y	Last change time for this record in the master database.
maxinterval	Integer		Maximum interval
maxruns	Integer		Maximum number of runs
offset	Integer		Offset
recordname	String		Name of Master model object name.
timewindow	String		Time window (length 1024)
triggerid	Integer		Trigger id (Link to the trigger)
untildate	Date		Until date (Date)
untildateasstring	String		Until date (String)

EventJobClassJoin

Table A-26

Name	Type	Internal Field?	Description
actionorder	Integer		Order of the event within the job
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
eventtrigger	Short		Event ID
id	int		Id (primary key)
jobclassid	Integer		Job class id (Link to the job class recorder)
lastchangetime	Date	Y	Last change time for this record in the master database.
recordname	String		Name of Master model object name.
triggerclasstype	Short		Trigger class type
triggerid	Integer		Trigger id (Link to the events)
triggername	String		Name of the event.

EventJobJoin

Table A-27

Name	Type	Internal Field?	Description
actionorder	Integer		Order of the event within the job
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
eventlevel	Integer		Level
eventtrigger	Short		Event ID
id	int		Id (primary key)
jobid	Integer		Job id (Link to the job)
jobname	String		Name of the job the event is associated.
lastchangetime	Date	Y	Last change time for this record in the master database.
recordname	String		Name of Master model object name.
triggerid	Integer		Trigger id (Link to the events)
triggername	String		Name of the event.
triggertype	Short		Trigger type

Events

Table A-28

Name	Type	Internal Field?	Description
actionjoinlist	String		Action Join list
active	String		Enabled event? Y or N (default to N)
alljobs	String		Whether to apply to all jobs? Y or N (default to N)
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description of event (length 4000)
eventactioncount	Integer		Event action count
eventactionrunid	Integer		Event action run id
eventinfo	String		Event info
eventtype	Short		Event type (Short)
exitcodefromval	Integer		From value of exit code
exitcodeop	Short		Exit code operation
exitcodetoval	Integer		To value of exit code
id	Int		Id (primary key)
jobclassjoinlist	String		Job Class Join list
jobcontrol	Short		Job control (Short)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
maxreruns	Integer		Maximum number of reruns
monitor	Short		Event monitor (Short)
name	String		Event name (length 64)
nodeid	Integer		Node id for monitor event types (e.g. file, variable). Only required for monitoring events.
nodename	String		
ownerid	Integer		Event owner Id (either user or workgroup)
ownername	String		Event owner id (either user and workgroup).
params	String		Event parameters (length 30)
pub	String		Pub
recordname	String		Name of Master model object name.
serviceid	Integer		Service id for service events. Only required for service events.
servicename	String		
triggerid	Short		Trigger id

EventsFile

Table A-29

Name	Type	Internal Field?	Description
actionjoinlist	String		Action Join list
active	String		Enabled event? Y or N (default to N)
alljobs	String		Whether to apply to all jobs? Y or N (default to N)
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description of event (length 4000)
eventactioncount	Integer		Event action count
eventactionrunid	Integer		Event action run id
eventcalendarid	Integer		
eventinfo	String		Event info
eventtype	Short		Event type (Short)
exitcodefromval	Integer		From value of exit code
exitcodeop	Short		Exit code operation
exitcodetoval	Integer		To value of exit code
id	Int		Id (primary key)
jobclassjoinlist	String		Job Class Join list
jobcontrol	Short		Job control (Short)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
maxreruns	Integer		Maximum number of reruns
monitor	Short		Event monitor (Short)
name	String		Event name (length 64)
nodeid	Integer		Node id for monitor event types (e.g. file, variable). Only required for monitoring events.
nodename	String		
nodetype	Short		
ostype	Short		
ownerid	Integer		Event owner Id (either user or workgroup)
ownername	String		Event owner id (either user and workgroup).
params	String		Event parameters (length 30)
pub	String		Pub
recordname	String		Name of Master model object name.
serviceid	Integer		Service id for service events. Only required for service events.
triggerid	Short		Trigger id

EventsJob

Table A-30

Name	Type	Internal Field?	Description
actionjoinlist	String		Action Join list
active	String		Enabled event? Y or N (default to N)
alljobs	String		Whether to apply to all jobs? Y or N (default to N)
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description of event (length 4000)
eventactioncount	Integer		Event action count
eventactionrunid	Integer		Event action run id
eventinfo	String		Event info
eventtype	Short		Event type (Short)
exitcodefromval	Integer		From value of exit code
exitcodeop	Short		Exit code operation
exitcodetoval	Integer		To value of exit code
id	Int		Id (primary key)
jobclassjoinlist	String		Job Class Join list
jobcontrol	Short		Job control (Short)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
maxreruns	Integer		Maximum number of reruns
monitor	Short		Event monitor (Short)
name	String		Event name (length 64)
nodeid	Integer		Node id for monitor event types (e.g. file, variable). Only required for monitoring events.
nodename	String		
ownerid	Integer		Event owner Id (either user or workgroup)
ownername	String		Event owner id (either user and workgroup).
params	String		Event parameters (length 30)
pub	String		Pub
recordname	String		Name of Master model object name.
serviceid	Integer		Service id for service events. Only required for service events.
triggerid	Short		Trigger id

EventsService

Table A-31

Name	Type	Internal Field?	Description
actionjoinlist	String		Action Join list
active	String		Enabled event? Y or N (default to N)
alljobs	String		Whether to apply to all jobs? Y or N (default to N)
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionactive	Date		
description	String		Description of event (length 4000)
eventactioncount	Integer		Event action count
eventactionrunid	Integer		Event action run id
eventcalendarid	Integer		
eventinfo	String		Event info
eventtype	Short		Event type (Short)
exitcodefromval	Integer		From value of exit code
exitcodeop	Short		Exit code operation
exitcodetoval	Integer		To value of exit code
id	Int		Id (primary key)
jobclassjoinlist	String		Job Class Join list
jobcontrol	Short		Job control (Short)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
maxreruns	Integer		Maximum number of reruns
monitor	Short		Event monitor (Short)
name	String		Event name (length 64)
nodeid	Integer		Node id for monitor event types (e.g. file, variable). Only required for monitoring events.
nodename	String		
ownerid	Integer		Event owner Id (either user or workgroup)
ownername	String		Event owner id (either user and workgroup).
params	String		Event parameters (length 30)
pub	String		Pub
recordname	String		Name of Master model object name.
serviceid	Integer		Service id for service events. Only required for service events.
triggerid	Short		Trigger id

EventsSystem

Table A-32

Name	Type	Internal Field?	Description
actionjoinlist	String		Action Join list
active	String		Enabled event? Y or N (default to N)
alljobs	String		Whether to apply to all jobs? Y or N (default to N)
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description of event (length 4000)
eventactioncount	Integer		Event action count
eventactionrunid	Integer		Event action run id
eventinfo	String		Event info
eventtype	Short		Event type (Short)
exitcodefromval	Integer		From value of exit code
exitcodeop	Short		Exit code operation
exitcodetoval	Integer		To value of exit code
id	Int		Id (primary key)
jobclassjoinlist	String		Job Class Join list
jobcontrol	Short		Job control (Short)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
maxreruns	Integer		Maximum number of reruns
monitor	Short		Event monitor (Short)
name	String		Event name (length 64)
nodeid	Integer		Node id for monitor event types (e.g. file, variable). Only required for monitoring events.
nodename	String		
ownerid	Integer		Event owner Id (either user or workgroup)
ownername	String		Event owner id (either user and workgroup).
params	String		Event parameters (length 30)
pub	String		Pub
recordname	String		Name of Master model object name.
serviceid	Integer		Service id for service events. Only required for service events.
triggerid	Short		Trigger id

Events Variable

Table A-33

Name	Type	Internal Field?	Description
actionjoinlist	String		Action Join list
active	String		Enabled event? Y or N (default to N)
alljobs	String		Whether to apply to all jobs? Y or N (default to N)
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionactive	Date		
description	String		Description of event (length 4000)
eventactioncount	Integer		Event action count
eventactionrunid	Integer		Event action run id
eventcalendarid	Integer		
eventinfo	String		Event info
eventtype	Short		Event type (Short)
exitcodefromval	Integer		From value of exit code
exitcodeop	Short		Exit code operation
exitcodetoval	Integer		To value of exit code
id	Int		Id (primary key)
jobclassjoinlist	String		Job Class Join list
jobcontrol	Short		Job control (Short)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
maxreruns	Integer		Maximum number of reruns
monitor	Short		Event monitor (Short)
name	String		Event name (length 64)
nodeid	Integer		Node id for monitor event types (e.g. file, variable). Only required for monitoring events.
nodename	String		
ownerid	Integer		Event owner Id (either user or workgroup)
ownername	String		Event owner id (either user and workgroup).
params	String		Event parameters (length 30)
pub	String		Pub
recordname	String		Name of Master model object name.
serviceid	Integer		Service id for service events. Only required for service events.
triggerid	Short		Trigger id

FaultMonitorNode

Table A-34

Name	Type	Internal Field?	Description
active	String		Active? Y or N. getActive, setActive and hasValueActive.
activejobs	Short		Number of jobs currently running on agent. getActivejobs, setActivejobs and hasValueActivejobs.
agentload	Integer		Current load of the agent. getAgentLoad, setAgentLoad and hasValueAgentLoad.
agentversion	String		The version of the agent. getAgentversion, setAgentversion and hasValueAgentversion.
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionactive	Date		ConnectionActive? (Y/N). getConnectionActive, setConnectionActive and hasValueConnectionActive.
currentoutageend	Date		The DateTime at which the current outage will end, or null if not currently in an outage period. getCurrentoutageend, setCurrentoutageend and hasValueCurrentoutageend.
currentoutageendasstring	String		Current outage end.
description	String		Description (length 4000). getDescription, setDescription and hasValueDescription.
fmclientport	Short		Fault Monitor Client port
fmmasterport	Short		Fault Monitor Master port
id	Int		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
machine	String		Machine name (1024 chars)
name	String		Name (length 64). getName, setName and hasValueName.
nextoutagebegin	Date		The DateTime at which the next outage will begin, or null if currently in an outage period or none are defined for the node. getNextoutagebegin, setNextoutagebegin and hasValueNextoutagebegin.
nextoutagebeginasstring	String		Next outage begin.
nodeuserid	Integer		Node user. getNodeUserID, setNodeUserID and hasValueNodeUserID.
ostype	Short		Os type. getOstype, setOstype and hasValueOstype.
recordname	String		Name of Master model object name.
serviceid	Integer		Service id for service events. Only required for service events.
timediff	Integer		Time difference between master and agent. getTimediff, setTimediff and hasValueTimediff.
timezone	String		Time zone of Node. getTimezone, setTimezone and hasValueTimezone.
type	Short		Node type. getType, setType and hasValueType.
varset	String		Variable set for this connection (clob 6M).

FileDependency

Table A-35

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionid	Integer		Connection id
connectionname	String		
fileextent	Long		File extent
filename	String		File name (length 4000)
filetype	Short		File type
id	int		Id (primary key)
inheritagent	String		Inherit agent
inheritedagentname	String		Inherited agent name (length 64)
jobconnectionid	Integer		
jobconnectionname	String		
jobid	Integer		Job id
jobname	String		
jobserviceid	Integer		
lastchangetime	Date	Y	Last change time for this record in the master database.
recordname	String		Name of Master model object name.

FiscalCalendar

Table A-36

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calyear	Integer		Year.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
daybegin	Short		Day begin
fixedbegin	String		Fixed begin (length 1)
id	int		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
monthbegin	Short		Month begin
name	String		Name (length 30) of FiscalCalendar. getName setName hasValueName.
period1	Short		First period

Table A-36

Name	Type	Internal Field?	Description
period2	Short		Second period
period3	Short		Third period
quarter	Integer		Quarter
quarterbreakdown	String		Quarter breakdown
recordname	String		Name of Master model object name.
startyear	Integer		Start year

FolderConfiguration

Table A-37

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
data	String		Data of FolderConfiguration clob(16384).
id	int		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
linkedto	Integer		Link to
logicaltype	Integer		Logical type
name	String		Name (length 128)
objecttype	Integer		Object type
ownerid	Integer		Owner id
parentid	Integer		Parent id
publicflag	String		Public flag? (Y/N)
recordname	String		Name of Master model object name.
type	Integer		Type

FTPJob

Table A-38

Name	Type	Internal Field?	Description
active	String		Active (length 1)
agentid	Integer		Agent id
agentlistfullname	String		Agent list full path which contains the parents details.
agentlistid	Integer		Agent list id
agentlistostype	Short		Agent os type id
agentname	String		Name of the agent associated with the job.
alias	String		Alias (length 16).

Table A-38

Name	Type	Internal Field?	Description
allowrerun	String		Allow rerun (length 1)
allowunscheduled	String		Allow unscheduled (length 1).
alternateoutputfile	String		Alternate output file (length 4000)
anonymous	String		Anonymous.
asciiformat	String		ASCII format
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarfromdate	Date		Calendar from date (Date).
calendarfromdateasstring	Date		Calendar from date (String).
calendarid	Integer		Calendar id
calendarname	String		Calendar name associated with the job.
calendaroffset	Short		Calendar offset.
calendaruntildate	Date		Calendar until date (Date).
calendaruntildateasstring	String		Calendar until date (String).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concurrency	Short		Concurrency.
createtime	Date	Y	Create time.
dependencylogic	Short		Dependency logic.
dirty	String		Dirty (length 1).
disablecarryover	Short		Disable carryover.
durationestimated	Integer		Estimated duration.
durationmaximum	Integer		Maximum duration.
durationminimum	Integer		Minimum duration.
encryptioncypherselection	String		Encryption cypher selection.
environmentfile	String		Environment file (length 4000).
estimatedmethod	Short		Estimated method.
excludeabnormalduration	Integer		Exclude abnormal duration.
exitcodenormaloperator	Short		Exit code normal operator.
filename	String		File name (length 2048).
ftphost	String		FTP host (length 255)
ftpusername	String		FTP user name (FTP host user name).
ftpoperation	Short		FTP operation
ftpparameters	String		FTP parameters (length 255)
ftpprotocol	String		FTP protocol
ftpuserdomain	String		Domain name of the FTP user.
ftpuserid	Integer		FTP user id

Table A-38

Name	Type	Internal Field?	Description
fullpath	String		Full path (length 4000).
hasparent	String		Job has parent.
historyretention	Short		Retention history.
id	Integer		Id (primary key).
imageid	Integer		Image ID
imagelinkid	Integer		Image link ID
imagelumt	Date		
imagetype	String		Image type
inheritagent	String		Inherit agent (length 1).
inheritcalendar	String		Inherit calendar (length 1).
inheritoptions	String		Inherit options (length 1).
inheritrepeat	String		Inherit time window (length 1).
inherittimewindow	String		Inherit time window (length 1).
isnotes	Boolean		Is notes.
isrunbook	Boolean		Is run book.
jobclassid	Integer		Job class id.
jobclassimageid	Integer		
jobclassimagelumt	Date		
jobclassimagetype	String		
jobdeplist	String		Job dependency list.
jobdetailid	Integer		Job detail id.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
localpath	String		Local path.
localuserid	String		Local user id.
localusername	String		User name of the agent associated.
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
newfilename	String		New file name.
normalexitfromrange	Short		From range of normal exit.
normalexittorange	Short		To range of normal exit.
notes	String		Notes.
ownerid	Integer		Owner id.
ownername	String		Name of owner of the job.
parameters	String		Parameters.
parentactive	String		Job's parent active status if exists.
parentid	Integer		Parent id.
parentname	String		Parent name (length 4000).
passphrase	String		Pass phrase.

Table A-38

Name	Type	Internal Field?	Description
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
privatekeylocation	String		Private key location.
quote	String		Quote (length 255).
recordname	String		Name of Master model object name
remotepath	String		Remote path (length 255).
repeat	String		Repeat.
repeatcount	Short		Repeat count.
repeatinterval	Short		Repeat interval of Job.
replacefiles	String		Replace files.
rerundependency	String		Rerun dependency (length 1).
runbook	String		Run book.
runuserid	Integer		Runuser id.
runtimeusername	String		Run time user of the job.
saveoutputoption	String		Option to save output (length 1).
serviceid	Integer		Service id.
successorsvalue	String		Has successor (length 1).
targetfilename	String		Target file name.
timewindowfromtime	Date		Time window from time (Date).
timewindowfromtimeasstring	String		Time window from time (String).
timewindowoption	Short		Time window option.
timewindowuntiltime	Date		Time window until time (Date).
timewindowuntiltimeasstring	String		Time window until time (String).
trackingcommand	String		Tracking Command (length 4000).
trackingmethod	Short		Tracking method.
type	Short		Type of Job.
unixprofile	Short		Unix profile.
userpasswordauthentication	String		User password authentication.
variables	String		Variables.
waitOperator	String		Wait operator.
workingdirectory	String		Working directory (length 4000).

FTPJobRun

Table A-39

Name	Type	Internal Field?	Description
actualstarttime	Date	Y	Actual start time (Date).
actualstarttimeasstring	String		Actual start time (String).
adhoc	Short		Agent instance.
agentinstance	Short		Agent instance.
agentname	String		Name of the agent associated with the job.
alias	String		Allow rerun (length 1)
allowadhoc	String		Allow unscheduled (length 1).
asciiformat	String		Ascii format
batch	Short		Batch.
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calcdatetimevarlist	String		Calc date var list (clob 32M).
calendarid	Integer		Calendar id
calendarname	String		Calendar name associated with the job.
carryover	Short		Carry over.
childjobloadedflag	Date		Child job loaded flag (length 1).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concur	Short		Concur
currentteststarttime	Date		Current estimated start time.
currentteststarttimeasstring	String		Current estimated start time (String). getCurrentEstimatedStartTimeAsString, setCurrentEstimatedStartTimeAsString and hasValueCurrentEstimatedStartTimeAsString.
dependencylogic	Short		Dependency logic.
dependencies	String		Dependencies.
dependencyrerun	String		Dependency rerun (length 1).
deptextlength	Integer		Dependency text length.
dirty	String		Dirty (length 1).
duration	Integer		Duration.
encryptioncypherselection	String		Encryption cypher selection.
envfile	String		Environment file (length 4000).
estimatedduration	Integer		Estimated duration.
estimatedstarttime	Date		Estimated start time (Date).
estimatedstarttimeasstring	String		Estimated start time (String).
estmethod	Short		Estimation method.

Table A-39

Name	Type	Internal Field?	Description
exitcode	Integer		Exit code.
expire	Date		Expiration date.
expireasstring	String		Expiration date.
externidstring	String		External id (String).
filename	String		File name (length 2048).
flags1	Integer		Flags1.
fromstep	Short		From step.
fromtime	Date		From time (Date).
fromtimeasstring	String		From time (String).
ftphost	String		Ftp host (length 255)
ftperation	Short		Ftp operation
ftpparameters	String		Ftp parameters (length 255)
ftpprotocol	String		Ftp protocol
ftpuserid	Integer		Ftp user id
fullpath	String		Full path (length 4000).
groupinstance	Short		Group instance.
hasdependents	String		Has dependents (length 1).
hasresourceslockedflag	String		Has resources locked flag (length 1).
id	Integer		Id (primary key).
ignoretimedependency	String		Ignore time dependency (length 1).
instance	Integer		Instance.
interval	Short		Interval.
intervalcount	Short		Interval count.
isnotes	Short		Flag that indicates whether notes is added.
isrunbook	Short		Flag that indicates whether runbook is added.
jobclassid	Integer		Job class id.
jobid	Integer		Job id.
jobparentid	Integer		Job parent id.
jobrunxml	String		Job run xml (clob 32M).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
launchacknowledged	Integer		Launch acknowledged.
launchtime	Date	Y	Launch time (Date).
launchtimeasstring	String		Launch time (String).
localpath	String		Local path.
localuserid	Integer		Local user id.
maxruntime	Integer		Maximum run time.
metflag	String		Met flag (length 1).

Table A-39

Name	Type	Internal Field?	Description
minruntime	Integer		Minimum run time.
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
newfilename	String		New file name
nodeid	Integer		Node id.
odelistid	Integer		Node list id.
nontimedependencies	String		Non time dependencies (length 1).
normalexit	Short		Normal exit.
normalop	Short		Normal op.
normalrange	Short		Normal range.
notes	String		Notes.
originalstatus	Short		Original status.
outputlength	Integer		Output length.
outputname	String		Output name (length 4000).
outputtxt	String		Output text (length 1).
owner	Integer		Owner.
ownername	String		Name of owner of the job.
params	String		Parameters.
parentid	Integer		Parent id.
passphrase	String		Pass phrase
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
privatekeylocation	String		Private key location
productiondate	Date		Production date.
productiondateasstring	String		Production date (String). getProductionDateAsString and setProductionDateAsString
proxy2	Integer		Proxy2.
queueid	Integer		Queue id.
queueName	String		Queue name
queuetime	Date		Queue time.
queuetimeasstring	String		Queue time.
quote	String		Quote (length 255)
recordname	String		Name of Master model object name
remotepath	String		Remote path (length 255)
replacefiles	String		Replace files
rerun	String		Rerun (length 1).
reruns	Short		Reruns.
resetsuccessor	String		Reset successor (length 1).
runbook	String		
rundate	Date		Run date.

Table A-39

Name	Type	Internal Field?	Description
rundateasstring	String		Run date.
runinfoxml	String		Info xml (clob 32M).
runuserid	Integer		Run user id.
runtimeusername	String		Run time user of the job.
savelogonly	String		Save log only (length 1).
saveoutput	String		Save output (length 1).
serviceid	Integer		Service id.
startrundate	Date		Start Run date for a group.
startrundateasstring	String		Start Run date for a group.
status	Short		Status.
statuschangetime	Date	Y	Status change time.
statuschangetimeasstring	String		Status change time.
statusname	String		Status of the job.
successorlist	String		Successor list (clob 32M).
timebatch	Short		Time batch.
timedifference	Integer		Time difference.
timewindow	Short		Time window.
timezone	String		Time zone.
trackcommand	String		Tracking Command (length 4000).
trackmethod	Short		Tracking method.
transactionid	Integer		Transaction id.
triggeractionrun_transaction	Integer		Trigger action run transaction.
triggeractionrunid	Integer		Trigger action run id.
type	Short		Type of Job.
untiltime	Date		Until time (Date).
untiltimeasstring	String		Until time (String).
userpasswordauthentication	String		User password authentication
variables	String		Variables.
waitop	String		Wait op (length 1).
workingdirectory	String		Working directory (length 4000).
xmldata	String		XML data.

ImageRepository

Table A-40

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
filename	String		File name (length 128)
id	int		Id (primary key)
imgsize	Integer		Size of ImageRepository. getSize and setSize
info	String		Info/Data (clob 10M)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
name	String		Name (length 128)
recordname	String		Name of Master model object name
type	String		Type (length 5). getType and setType

ImageRepositoryLink

Table A-41

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
id	int		Id (primary key)
imageid	Integer		Image id
imagelumt	Date		
imagetype	String		
jobclass	Integer		Job class
jobmst	Integer		Job master
lastchangetime	Date	Y	Last change time for this record in the master database.
recordname	String		Name of Master model object name

InfoNodeJoin

Table A-42

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
id	Integer		Id (primary key)

Table A-42

Name	Type	Internal Field?	Description
infonodedefaultconnectionid	Integer		
infonodeid	Integer		Info node id
infonodename			
lastchangetime	Date	Y	Last change time for this record in the master database.
recordname	String		Name of Master model object name
runnodeid	Integer		Run node id
runnodename	String		

InterMasterVariable

Table A-43

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
currentvalue	String		Current value.
id	int		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
name	String		Name (length 64)
nodeid	Integer		Node id
oldvalue	String		Old value
recordname	String		Name of Master model object name
variableid	Integer		Variable id
variabletype	Short		Variable type
varpublic	String		Public variable (length 1)
varreadonly	String		Read only variable (length 1)

ITOAAction

Table A-44

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
community	String		Community
description	String		Description (length 4000).
id	Integer		Id (primary key)

Table A-44

Name	Type	Internal Field?	Description
itotype	Short		ITO type
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
message	String		Message
name	String		Name (length 64)
ownerid	Integer		Owner id (either user or workgroup).
publicflag	String		Public flag? (Y/N)
recordname	String		Name of Master model object name.
severity	Short		Severity

JESDependency

Table A-45

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
ccrangehi	Integer		Cc range high
ccrangelow	Integer		Cc range low
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
condition	Short		Condition
connectionid	Integer		Connection id
id	Integer		Id (primary key)
ignore	String		Ignore (length 1)
includeabend	String		Include abnormal end
instanceoffset	Short		Instance offset (applies to specific and offset only, else 0)
jobid	Integer		Job id
jobname	String		Job name (length 255)
jobserviceid	Integer		
lastchangetime	Date	Y	Last change time for this record in the master database.
occurrence	Short		Occurrence
procstep	String		Proc step (length 255)
recordname	String		Name of Master model object name.

Job

Table A-46

Name	Type	Internal Field?	Description
active	String		Active (length 1)
agentid	Integer		Agent id
agentname	String		Name of the agent associated with the job.
agentlistfullname	String		Agent list full path which contains the parents details.
agentlistname	String		Agent list name associated with the job.
agentlistid	Integer		Agent list id
agentlistostype	Integer		Agent os type id.
agentlistserviceid	Integer		
agentostype	Integer		Agent os type
agentserviceid	Integer		Agent service Id.
agenttype	Integer		Agent type
alias	String		Alias (length 16).
allowrerun	String		Allow rerun (length 1)
allowunscheduled	String		Allow unscheduled (length 1).
alternateoutputfile	String		Alternate output file (length 4000)
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarfromdate	Date		Calendar from date (Date).
calendarfromdateasstring	Date		Calendar from date (String).
calendarid	Integer		Calendar id
calendarname	String		Calendar name associated with the job.
calendaroffset	Short		Calendar offset.
calendaruntildate	Date		Calendar until date (Date).
calendaruntildateasstring	String		Calendar until date (String).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concurrency	Short		Concurrency.
createtime	Date	Y	Create time.
dependencylogic	Short		Dependency logic.
dirty	String		Dirty (length 1).
disablecarryover	Short		Disable carryover.
domain	String		User Domain name.
durationestimated	Integer		Estimated duration.
durationmaximum	Integer		Maximum duration.

Table A-46

Name	Type	Internal Field?	Description
durationminimum	Integer		Minimum duration.
environmentfile	String		Environment file (length 4000).
estimatedmethod	Short		Estimated method.
excludeabnormalduration	Integer		Exclude abnormal duration.
exitcodenormaloperator	Short		Exit code normal operator.
extendedinfo	String		Job xml of the Service jobs.
fullpath	String		Full path (length 4000).
hasparent	String		Job has parent.
historyretention	Short		Retention history.
id	Integer		Id (primary key).
imageid	Integer		
imagelinkid	Integer		
imagelumt	Date		
imagetype	String		
inheritagent	String		Inherit agent (length 1).
inheritcalendar	String		Inherit calendar (length 1).
inheritoptions	String		Inherit options (length 1).
inheritrepeat	String		Inherit time window (length 1).
inherittimewindow	String		Inherit time window (length 1).
isnotes	Boolean		Is notes.
isrunbook	Boolean		Is run book.
jobclassid	Integer		Job class id.
jobclassimageid	Integer		
jobclassimagelumt	Date		
jobclassimagetype	String		
jobdeplist	String		Job dependency list.
jobdetailid	Integer		Job detail id.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
normalexitfromrange	Short		From range of normal exit.
normalexittorange	Short		To range of normal exit.
notes	String		Notes.
ownerid	Integer		Owner id.
ownername	String		Name of owner of the job.
parameters	String		Parameters.
parentactive	String		Job's parent active status if exists.
parentid	Integer		Parent id.

Table A-46

Name	Type	Internal Field?	Description
parentname	String		Parent name (length 4000).
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
recordname	String		Name of Master model object name
repeat	String		Repeat.
repeatcount	Short		Repeat count.
repeatinterval	Short		Repeat interval of Job.
rerundependency	String		Rerun dependency (length 1).
runbook	String		Run book.
runtimeusername	String		Run time user of the job.
runuserid	Integer		Runuser id.
saveoutputoption	String		Option to save output (length 1).
serviceid	Integer		Service id.
servicename	String		Adapter name.
successorsvalue	String		Has successor (length 1).
timewindowfromtime	Date		Time window from time (Date).
timewindowfromtimeasstring	String		Time window from time (String).
timewindowoption	Short		Time window option.
timewindowuntiltime	Date		Time window until time (Date).
timewindowuntiltimeasstring	String		Time window until time (String).
trackingcommand	String		Tracking Command (length 4000).
trackingmethod	Short		Tracking method.
type	Short		Type of Job.
unixprofile	Short		Unix profile.
variables	String		Variables.
waitOperator	String		Wait operator.
workingdirectory	String		Working directory (length 4000).

JobAction

Table A-47

Name	Type	Internal Field?	Description
agentid	Integer		Agent id of agent that runs the job
agentname	String		Name of the agent associated with the record.
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.

Table A-47

Name	Type	Internal Field?	Description
description	String	TWA Console> Definitions> Actions> Job> Add Job Action Description	Description (length 4000).
id	Integer	Y	Id (primary key).
jobid	Integer		Job id of the job to run
jobname	String		Job name.
jobparent	String		Job parent name.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
name	String	TWA Console> Definitions> Actions> Job> Add Job Action Description> Action Name	Job name (length 256).
ownerid	Integer		Owner id (either user or workgroup).
ownername	String		Name of owner of the record.
parameters	String		Any parameter overrides
publicflag	String		Public flag? (Y/N)
recordname	String		Name of Master model object name.
userid	Integer		Runtime user
username	String		Run time user for the agent.
variables	String		Any variable overrides.

JobClass

Table A-48

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description (length 4000).
id	int		Id (primary key)
imageid	Integer		
imagelinkid	Integer		
imagelumt	Date		

Table A-48

Name	Type	Internal Field?	Description
imagetype	String		
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
name	String		Name (length 64)
recordname	String		Name of Master model object name.

JobDependency

Table A-49

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
dateoffset	Short		Date offset
depjobid	Integer		Dependency job id
depjobname	String		
depjobparent	String		
depjobserviceid	Integer		
depjobtype	Short		
logic	Short		Dependency logic
id	Integer		Id (primary key)
ignoredep	String		Ignore dependency (length 1)
ingroup	String		In group (length 1)
instanceoffset	Short		Instance offset
jobid	Integer		Job id
jobname	String		
jobserviceid	Integer		
keepmetifready	String		Ignore re-evaluation (length 1).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
operator	Short		Operator
recordname	String		Name of Master model object name.
status	Short		Status

JobGroup

Table A-50

Name	Type	Internal Field?	Description
active	String		Active (length 1)
agentid	Integer		Agent id
agentname	String		Name of the agent associated with the job group.
agentlistfullname	String		Agent list full path which contains the parents details.
agentlistid	Integer		Agent list id
agentlistname	String		Agent list name associated with the job group.
agentlistostype	Short		Agent os type id.
alias	String		Alias (length 16).
allowrerun	String		Allow rerun (length 1)
allowunscheduled	String		Allow unscheduled (length 1).
alternateoutputfile	String		Alternate output file (length 4000)
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarfromdate	Date		Calendar from date (Date).
calendarfromdateasstring	Date		Calendar from date (String).
calendarid	Integer		Calendar id
calendarname	String		Calendar name associated with the job group.
calendaroffset	Short		Calendar offset.
calendaruntildate	Date		Calendar until date (Date).
calendaruntildateasstring	String		Calendar until date (String).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concurrency	Short		Concurrency.
createtime	Date	Y	Create time.
dependencylogic	Short		Dependency logic.
dirty	String		Dirty (length 1).
disablecarryover	Short		Disable carryover.
domain	String		User Domain name.
durationestimated	Integer		Estimated duration.
durationmaximum	Integer		Maximum duration.
durationminimum	Integer		Minimum duration.
environmentfile	String		Environment file (length 4000).
estimatedmethod	Short		Estimated method.
excludeabnormalduration	Integer		Exclude abnormal duration.
exitcodenormaloperator	Short		Exit code normal operator.
fullpath	String		Full path (length 4000).

Table A-50

Name	Type	Internal Field?	Description
hasparent	String		Job has parent.
historyretention	Short		Retention history.
id	Integer		Id (primary key).
imageid	Integer		
imagelinkid	Integer		
imagelumt	Date		
imagetype	String		
inheritagent	String		Inherit agent (length 1).
inheritcalendar	String		Inherit calendar (length 1).
inheritoptions	String		Inherit options (length 1).
inheritrepeat	String		Inherit time window (length 1).
inheritwindow	String		Inherit time window (length 1).
isnotes	Boolean		Is notes.
isrunbook	Boolean		Is run book.
jobclassid	Integer		Job class id.
jobclassimageid	Integer		
jobclassimagelumt	Date		
jobclassimagetype	String		
jobdeplist	String		Job dependency list.
jobdetailid	Integer		Job detail id.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
normalexitfromrange	Short		From range of normal exit.
normalexittorange	Short		To range of normal exit.
notes	String		Notes.
ownerid	Integer		Owner id.
ownername	String		Name of owner of the job group.
parameters	String		Parameters.
parentactive	String		Job's parent active status if exists.
parentid	Integer		Parent id.
parentname	String		Parent name (length 4000).
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
recordname	String		Name of Master model object name
repeat	String		Repeat.
repeatcount	Short		Repeat count.

Table A-50

Name	Type	Internal Field?	Description
repeatinterval	Short		Repeat interval of Job.
rerundependency	String		Rerun dependency (length 1).
runbook	String		Run book.
runtimeusername	String		Run time user of the job group.
runuserid	Integer		Runuser id.
saveoutputoption	String		Option to save output (length 1).
serviceid	Integer		Service id.
successorsvalue	String		Has successor (length 1).
timewindowfromtime	Date		Time window from time (Date).
timewindowfromtimeasstring	String		Time window from time (String).
timewindowoption	Short		Time window option.
timewindowuntiltime	Date		Time window until time (Date).
timewindowuntiltimeasstring	String		Time window until time (String).
trackingcommand	String		Tracking Command (length 4000).
trackingmethod	Short		Tracking method.
type	Short		Type of Job.
unixprofile	Short		Unix profile.
variables	String		Variables.
waitOperator	String		Wait operator.
workingdirectory	String		Working directory (length 4000).

JobOutput

Table A-51

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
id	int		Id (primary key)
jobrunid	Integer		Job run id
lastchangetime	Date	Y	Last change time for this record in the master database.
outputlength	int		Output length
outputtext	String		Output text (clob 512M)
recordname	String		Name of Master model object name.

JobPrint

Table A-52

Name	Type	Internal Field?	Description
active	String		Active (length 1)
agentid	Integer		Agent id
agentlistid	Integer		Agent list id
agentlistostype	Integer		Agent os type id.
agentlistserviceid	Integer		
agentostype	Integer		Agent os type.
agentserviceid	Integer		Agent service Id.
agenttype	Integer		Agent type.
alias	String		Alias (length 16).
allowrerun	String		Allow rerun (length 1)
allowunscheduled	String		Allow unscheduled (length 1).
alternateoutputfile	String		Alternate output file (length 4000)
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarfromdate	Date		Calendar from date (Date).
calendarfromdateasstring	Date		Calendar from date (String).
calendarid	Integer		Calendar id
calendaroffset	Short		Calendar offset.
calendaruntildate	Date		Calendar until date (Date).
calendaruntildateasstring	String		Calendar until date (String).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concurrency	Short		Concurrency.
createtime	Date	Y	Create time.
dependencylogic	Short		Dependency logic.
dirty	String		Dirty (length 1).
disablecarryover	Short		Disable carryover.
durationestimated	Integer		Estimated duration.
durationmaximum	Integer		Maximum duration.
durationminimum	Integer		Minimum duration.
environmentfile	String		Environment file (length 4000).
estimatedmethod	Short		Estimated method.
excludeabnormalduration	Integer		Exclude abnormal duration.
exitcodenormaloperator	Short		Exit code normal operator.

Table A-52

Name	Type	Internal Field?	Description
fullpath	String		Full path (length 4000).
hasparent	String		Job has parent.
historyretention	Short		Retention history.
id	Integer		Id (primary key).
imageid	Integer		
imagelinkid	Integer		
imagelumt	Date		
imagetype	String		
inheritagent	String		Inherit agent (length 1).
inheritcalendar	String		Inherit calendar (length 1).
inheritoptions	String		Inherit options (length 1).
inheritrepeat	String		Inherit time window (length 1).
inherittimewindow	String		Inherit time window (length 1).
isnotes	Boolean		Is notes.
isrunbook	Boolean		Is run book.
jobclassid	Integer		Job class id.
jobclassimageid	Integer		
jobclassimagelumt	Date		
jobclassimagetype	String		
jobdeplist	String		Job dependency list.
jobdetailid	Integer		Job detail id.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
normalexitfromrange	Short		From range of normal exit.
normalexittorange	Short		To range of normal exit.
notes	String		Notes.
ownerid	Integer		Owner id.
parameters	String		Parameters.
parentactive	String		Job's parent active status if exists.
parentid	Integer		Parent id.
parentname	String		Parent name (length 4000).
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
recordname	String		Name of Master model object name
repeat	String		Repeat.
repeatcount	Short		Repeat count.
repeatinterval	Short		Repeat interval of Job.

Table A-52

Name	Type	Internal Field?	Description
rerundependency	String		Rerun dependency (length 1).
runbook	String		Run book.
runuserid	Integer		Runuser id.
saveoutputoption	String		Option to save output (length 1).
serviceid	Integer		Service id.
successorsvalue	String		Has successor (length 1).
timewindowfromtime	Date		Time window from time (Date).
timewindowfromtimeasstring	String		Time window from time (String).
timewindowoption	Short		Time window option.
timewindowuntiltime	Date		Time window until time (Date).
timewindowuntiltimeasstring	String		Time window until time (String).
trackingcommand	String		Tracking Command (length 4000).
trackingmethod	Short		Tracking method.
type	Short		Type of Job.
unixprofile	Short		Unix profile.
variables	String		Variables.
waitOperator	String		Wait operator.
workingdirectory	String		Working directory (length 4000).

JobReport

Table A-53

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
data	String		Data
id	int		Id (primary key)
infonodeid	Integer		Info node id
jobid	Integer		Job id
jobrunid	Integer		Job run id
lastchangetime	Date	Y	Last change time for this record in the master database.
recordname	String		Name of Master model object name.
rptdate	Date		Date.
runnodeid	Integer		Run node id
status	Integer		Status
type	Integer		Type

JobRun

Table A-54

Name	Type	Internal Field?	Description
actualstarttime	Date	Y	Actual start time (Date).
actualstarttimeasstring	String		Actual start time (String).
adhoc	Short		Agent instance.
agentinstance	Short		Agent instance.
agentname			Name of the agent associated with the job.
agenttimediff			
alias	String		Allow rerun (length 1)
allowadhoc	String		Allow unscheduled (length 1).
allowrerun			
batch	Short		Batch.
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calcdatetimevarlist	String		Calc date var list (clob 32M).
calendarid	Integer		Calendar id
calendarname			Calendar name associated with the job.
carryover	Short		Carry over.
childjobloadedflag	Date		Child job loaded flag (length 1).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concur	Short		Concur
currentteststarttime	Date		Current estimated start time.
currentteststarttimeasstring	String		Current estimated start time (String). getCurrentEstimatedStartTimeAsString, setCurrentEstimatedStartTimeAsString and hasValueCurrentEstimatedStartTimeAsString.
dependencylogic	Short		Dependency logic.
dependencies	String		Dependencies.
dependencyrerun	String		Dependency rerun (length 1).
deptextlength	Integer		Dependency text length.
dirty	String		Dirty (length 1).
duration	Integer		Duration.
envfile	String		Environment file (length 4000).
estimatedduration	Integer		Estimated duration.
estimatedstarttime	Date		Estimated start time (Date).
estimatedstarttimeasstring	String		Estimated start time (String).
estmethod	Short		Estimation method.

Table A-54

Name	Type	Internal Field?	Description
exitcode	Integer		Exit code.
expire	Date		Expiration date.
expireasstring	String		Expiration date.
externidstring	String		External id (String).
flags1	Integer		Flags1.
fromstep	Short		From step.
fromtime	Date		From time (Date).
fromtimeasstring	String		From time (String).
fullpath	String		Full path (length 4000).
groupinstance	Short		Group instance.
hasdependents	String		Has dependents (length 1).
hasresourceslockedflag	String		Has resources locked flag (length 1).
id	Integer		Id (primary key).
ignoretimedependency	String		Ignore time dependency (length 1).
instance	Integer		Instance.
interval	Short		Interval.
intervalcount	Short		Interval count.
isnotes			Is notes.
isrunbook			Is run book.
jobclassid	Integer		Job class id.
jobid	Integer		Job id.
jobname			Job name.
jobparentid	Integer		Job parent id.
jobrunxml	String		Job run xml (clob 32M).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
launchacknowledged	Integer		Launch acknowledged.
launchtime	Date		Launch time (Date).
launchtimeasstring	String		Launch time (String).
maxruntime	Integer		Maximum run time.
metflag	String		Met flag (length 1).
minruntime	Integer		Minimum run time.
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
nodeid	Integer		Node id.
nodelistid	Integer		Node list id.
nontimedependencies	String		Non time dependencies (length 1).
normalexit	Short		Normal exit.

Table A-54

Name	Type	Internal Field?	Description
normalop	Short		Normal op.
normalrange	Short		Normal range.
notes	String		Notes.
originalstatus	Short		Original status.
outputlength	Integer		Output length.
outputname	String		Output name (length 4000).
outputtxt	String		Output text (length 1).
owner	Integer		Owner.
ownername			Owner name of the record.
params	String		Parameters.
parentid	Integer		Parent id.
parentname	String		Parent Name (length 255).
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
productiondate	Date		Production date.
productiondateasstring	String		Production date (String). getProductionDateAsString and setProductionDateAsString
proxy2	Integer		Proxy2.
queueid	Integer		Queue id.
queuename			Queue name.
queuetime	Date		Queue time.
queuetimeasstring	String		Queue time.
recordname	String		Name of Master model object name
rerun	String		Rerun (length 1).
reruns	Short		Reruns.
resetsuccessor	String		Reset successor (length 1).
runbook	String		Run book.
rundate	Date		Run date.
rundateasstring	String		Run date.
runinfoxml	String		Info xml (clob 32M).
runtimeuserdomain			
runtimeusername			Run time user of the job.
runuserid	Integer		Run user id.
savelogonly	String		Save log only (length 1).
saveoutput	String		Save output (length 1).
serviceid	Integer		Service id.
startrundate	Date		Start Run date for a group.
startrundateasstring	String		Start Run date for a group.
status	Short		Status.
statuschangetime	Date	Y	Status change time.

Table A-54

Name	Type	Internal Field?	Description
statuschangetimeasstring	String		Status change time.
statusname			Status of the job.
statusorder			
successorlist	String		Successor list (clob 32M).
successorsvalue	String		Has successor (length 1).
timebatch	Short		Time batch.
timedifference	Integer		Time difference.
timewindow	Short		Time window.
timezone			Time zone.
trackcommand	String		Tracking Command (length 4000).
trackmethod	Short		Tracking method.
transactionid	Integer		Transaction id.
triggeractionrun_transaction	Integer		Trigger action run transaction.
triggeractionrunid	Integer		Trigger action run id.
type	Short		Type of Job.
untiltime	Date		Until time (Date).
untiltimeasstring	String		Until time (String).
variables	String		Variables.
waitop	String		Wait op (length 1).
workingdirectory	String		Working directory (length 4000).
xmldata	String		Xml data.

JobRunDep

Table A-55

Name	Type	Internal Field?	Description
canignore	String		
deplevel	Integer		
depparentid	Integer		
depparentname	String		
deptype	Integer		
depvalue	String		
fileextent	String		
filename	String		File name.
filetype	String		File type.
haschild	String		
id	Integer		Id 9primary key).
instance	Integer		

Table A-55

Name	Type	Internal Field?	Description
isremotemaster	String		
jobdepid	Integer		
jobid	Integer		Job Id.
joblogic	String		
jobname	String		Job name.
jobrunid	Integer		
met	String		
metcontrol	Short		
metvalue	String		
nodeid	Integer		Node Id.
nodename	String		Node name.
operator	Short		
override	String		
ownername	String		Owner name of the record.
sequence	Integer		
status	Short		
successorjobrunid	Integer		
targetstatus	Short		
timestamp	Date		
used	String		
usedcontrol	Short		
variablename	String		
variablevalue	String		
varid	Integer		

JobRunGroup

Table A-56

Name	Type	Internal Field?	Description
actualstarttime	Date	Y	Actual start time (Date).
actualstarttimeasstring	String		Actual start time (String).
adhoc	Short		Agent instance.
agentinstance	Short		Agent instance.
alias	String		Allow rerun (length 1)
allowadhoc	String		Allow unscheduled (length 1).
batch	Short		Batch.
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.

Table A-56

Name	Type	Internal Field?	Description
calcdatetimevarlist	String		Calc date var list (clob 32M).
calendarid	Integer		Calendar id
carryover	Short		Carry over.
childjobloadedflag	Date		Child job loaded flag (length 1).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concur	Short		Concur
currentteststarttime	Date		Current estimated start time.
currentteststarttimeasstring	String		Current estimated start time (String). getCurrentEstimatedStartTimeAsString, setCurrentEstimatedStartTimeAsString and hasValueCurrentEstimatedStartTimeAsString.
dependencylogic	Short		Dependency logic.
dependencies	String		Dependencies.
dependencyrerun	String		Dependency rerun (length 1).
deptextlength	Integer		Dependency text length.
dirty	String		Dirty (length 1).
duration	Integer		Duration.
envfile	String		Environment file (length 4000).
estimatedduration	Integer		Estimated duration.
estimatedstarttime	Date		Estimated start time (Date).
estimatedstarttimeasstring	String		Estimated start time (String).
estmethod	Short		Estimation method.
exitcode	Integer		Exit code.
expire	Date		Expiration date.
expireasstring	String		Expiration date.
externidstring	String		External id (String).
flags1	Integer		Flags1.
fromstep	Short		From step.
fromtime	Date		From time (Date).
fromtimeasstring	String		From time (String).
fullpath	String		Full path (length 4000).
groupinstance	Short		Group instance.
hasdependents	String		Has dependents (length 1).
hasresourceslockedflag	String		Has resources locked flag (length 1).
id	Integer		Id (primary key).
ignoretimedependency	String		Ignore time dependency (length 1).
instance	Integer		Instance.

Table A-56

Name	Type	Internal Field?	Description
interval	Short		Interval.
intervalcount	Short		Interval count.
jobclassid	Integer		Job class id.
jobid	Integer		Job id.
jobparentid	Integer		Job parent id.
jobrunxml	String		Job run xml (clob 32M).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
launchacknowledged	Integer		Launch acknowledged.
launchtime	Date		Launch time (Date).
launchtimeasstring	String		Launch time (String).
maxruntime	Integer		Maximum run time.
metflag	String		Met flag (length 1).
minruntime	Integer		Minimum run time.
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
nodeid	Integer		Node id.
odelistid	Integer		Node list id.
nontimedependencies	String		Non time dependencies (length 1).
normalexit	Short		Normal exit.
normalop	Short		Normal op.
normalrange	Short		Normal range.
notes	String		Notes.
originalstatus	Short		Original status.
outputlength	Integer		Output length.
outputname	String		Output name (length 4000).
outputtxt	String		Output text (length 1).
owner	Integer		Owner.
params	String		Parameters.
parentid	Integer		Parent id.
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
productiondate	Date		Production date.
productiondateasstring	String		Production date (String). getProductionDateAsString and setProductionDateAsString
proxy2	Integer		Proxy2.
queueid	Integer		Queue id.
queuetime	Date		Queue time.
queuetimeasstring	String		Queue time.
recordname	String		Name of Master model object name

Table A-56

Name	Type	Internal Field?	Description
rerun	String		Rerun (length 1).
reruns	Short		Reruns.
resetsuccessor	String		Reset successor (length 1).
runbook	String		Rub book.
rundate	Date		Run date.
rundateasstring	String		Run date.
runinfoxml	String		Info xml (clob 32M).
runuserid	Integer		Run user id.
savelogonly	String		Save log only (length 1).
saveoutput	String		Save output (length 1).
serviceid	Integer		Service id.
startrundate	Date		Start Run date for a group.
startrundateasstring	String		Start Run date for a group.
status	Short		Status.
statuschangetime	Date	Y	Status change time.
statuschangetimeasstring	String		Status change time.
successorlist	String		Successor list (clob 32M).
successorsvalue	String		Has successor (length 1).
timebatch	Short		Time batch.
timedifference	Integer		Time difference.
timewindow	Short		Time window.
trackcommand	String		Tracking Command (length 4000).
trackmethod	Short		Tracking method.
transactionid	Integer		Transaction id.
triggeractionrun_transaction	Integer		Trigger action run transaction.
triggeractionrunid	Integer		Trigger action run id.
type	Short		Type of Job.
untiltime	Date		Until time (Date).
untiltimeasstring	String		Until time (String).
variables	String		Variables.
waitop	String		Wait op (length 1).
workingdirectory	String		Working directory (length 4000).
xmldata	String		Xml data.

JobRunResource

Table A-57

Name	Type	Internal Field?	Description
amountavailable	Short		
amountneeded	Short		
id	String		Id (primary key)
name	String		
status	String		Status
type	String		Type
xmldata	String		Xml data.

JobRunStatistics

Table A-58

Name	Type	Internal Field?	Description
adhocjobcomltabnormal	Integer		
adhocjobcompltnormal	Integer		
adhocjoberroccurred	Integer		
adhocreruns	Integer		
prodjobcomltabnormal	Integer		
prodjobcompltnormal	Integer		
prodjoberroccurred	Integer		
prodreruns	Integer		
totaladhocjobs	Integer		
totalfilteredjobs	Integer		
totaljobcomltabnormal	Integer		
totaljobcompltnormal	Integer		
totaljoberroccurred	Integer		
totaljobs	Integer		
totalprodjobs	Integer		
totalreruns	Integer		

JobRunStatus

Table A-59

Name	Type	Internal Field?	Description
id	Integer		Id (primary key).
statusid	Integer		
statusname	String		

JobRunSystemResourceDetails

Table A-60

Name	Type	Internal Field?	Description
comparevalue	String		
currentsinceconnected	String		
currentvalue	String		
datatype	Integer		
id	Integer		Id (primary key)
operator	Integer		Operator.
resourcename	String		
resourcetype	Integer		

LogAction

Table A-61

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description (length 4000).
eventnum	String		Event Num (length 30).
id	Integer		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
loglevel	Short		Log level
message	String		Message (length 4000)
name	String		Object name (length 64).
ownerid	Integer		Owner id (either user or workgroup).
publicflag	String		Public flag? (Y/N).
recordname	String		Name of Master model object name.
winevent	String		Windows event (length 1)

MasterJavaTimeZone

Table A-62

Name	Type	Internal Field?	Description
cachelastrchangeime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastrchangeime	Date	Y	Last time this record was updated in the plugin cache.
dsttzooffset	Integer		DST timezone offset (int)
fullname	String		Timezone long name (length 128).
id	Integer		Id (primary key)
indsttzoeriod	String		Is it current in DST timezone period (length 1).
lastrchangeime	Date	Y	Last change time for this record in the master database.
mastrerzoooffset	Integer		Master and job timezone offset (int).
name	String		Timezone short name (length 32).
recoredname	String		Name of Master model object name.
timezoneid	String		MasterjavaTimeZone java timezone id. (length 64)
utctzooffset	Integer		UTC/GMT timezone offset (int).

MasterLicense

Table A-63

Name	Type	Internal Field?	Description
agents	String		Agents
annualmode	Boolean		Annual mode
cachelastrchangeime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastrchangeime	Date	Y	Last time this record was updated in the plugin cache.
clients	String		Clients
customer	String		Customer
demomode	boolean		Demonstration mode
emergencymode	boolean		Emergency mode
enterprisemode	boolean		Enterprise mode
expiration	String		Expiration date
floating	String		Floating
id	Integer		Id (primary key)
lastrchangeime	Date	Y	Last change time for this record in the master database.
license	String		License
licensemode	String		License mode
name	String		Object name (length 64).
options	String		Options
os400agents	String		OS400 agents

Table A-63

Name	Type	Internal Field?	Description
ostype	String		Operating system type
productmode	boolean		Product mode
recordname	String		Name of Master model object name.
serial	String		Serial
servicexml	String		Service xml
zekeagents	String		Zeke agents
zekefloat	String		Zeke float
zosagents	String		ZOS agents
zosfloat	String		ZOS float

MasterNode

Table A-64

Name	Type	Internal Field?	Description
active	String		Active? (Y/N). getActive, setActive and hasValueActive.
activejobs	Short		Number of jobs currently running on agent. getActivejobs, setActivejobs and hasValueActivejobs.
agentload	Integer		Current load of the agent. getAgentLoad, setAgentLoad and hasValueAgentLoad.
agentversion	String		The version of the agent. getAgentversion, setAgentversion and hasValueAgentversion.
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
clientport	Short		Client to Master port
connectionactive	String		ConnectionActive? (Y/N). getConnectionActive, setConnectionActive and hasValueConnectionActive.
currentoutageend	Date		The DateTime at which the current outage will end, or null if not currently in an outage period. getCurrentoutageend, setCurrentoutageend and hasValueCurrentoutageend.
currentoutageendasstring	String		Current outage end.
description	String		Description (clob 512M)
hostloglevel	Short		Host log level
id	int		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
machine	Short		Machine name (length 1024)
name	String		Name (length 64). getName, setName and hasValueName.

Table A-64

Name	Type	Internal Field?	Description
nextoutagebegin	Date		The DateTime at which the next outage will begin, or null if currently in an outage period or none are defined for the node. getNextoutagebegin, setNextoutagebegin and hasValueNextoutagebegin.
nextoutagebeginasstring	String		Next outage begin.
nodeuserid	Integer		Node user. getNodeUserID, setNodeUserID and hasValueNodeUserID.
ostype	Short		Os type. getOstype, setOstype and hasValueOstype.
port	Short		Backup to master port
recordname	String		Name of Master model object name.
serviceid	Integer		Service id. getServiceID, setServiceID and hasValueServiceID.
timediff	Integer		Time difference between master and agent. getTimediff, setTimediff and hasValueTimediff.
timezone	String		Time zone of Node. getTimezone, setTimezone and hasValueTimezone.
type	Short		Node type. getType, setType and hasValueType.
varset	String		Variable set for this connection (clob 6M).

MasterVariables

Table A-65

Name	Type	Internal Field?	Description

MessageCatalog

Table A-66

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
exclude	String		Exclude (length 1)
id	Integer		Id (primary key)
languageid	Integer		Language id
lastchangetime	Date	Y	Last change time for this record in the master database.
messagetxt	String		Message text (length 255)
recordname	String		Name of Master model object name.
type	Short		Message catalog type
eventlog	String		Windows event log (length 1)

MessageLog

Table A-67

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
computer	String		Name of computer for log record (length 16)
createdate	Date	Y	Create date (Date)
createdateasstring	String		Create date (String)
id	Integer		Id (primary key)
jobid	Integer		Job id
jobrunid	Integer		Job run id
lastchangetime	Date	Y	Last change time for this record in the master database.
msgseveritytype	Short		Message severity type
msgsourcetype	Short		Message source type
msgid	Integer		Unique id for hte log message
msglogtxt	String		Message log text (length 4000)
nodeid	Integer		Node id
origuserid	Integer		Log of original ID of user prior to impersonating another user.
recordname	String		Name of Master model object name.
resourceid	Integer		Resource id.
userid	Integer		User id

MPEJob

Table A-68

Name	Type	Internal Field?	Description
active	String		Active (length 1)
agentid	Integer		Agent id
agentlistid	Integer		Agent list id
alias	String		Alias (length 16).
allowrerun	String		Allow rerun (length 1)
allowunscheduled	String		Allow unscheduled (length 1).
alternateoutputfile	String		Alternate output file (length 4000)
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarfromdate	Date		Calendar from date (Date).
calendarfromdateasstring	Date		Calendar from date (String).

Table A-68

Name	Type	Internal Field?	Description
calendarid	Integer		Calendar id
calendaroffset	Short		Calendar offset.
calendaruntildate	Date		Calendar until date (Date).
calendaruntildateasstring	String		Calendar until date (String).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concurrency	Short		Concurrency.
createtime	Date	Y	Create time.
dependencylogic	Short		Dependency logic.
dirty	String		Dirty (length 1).
disablecarryover	Short		Disable carryover.
durationestimated	Integer		Estimated duration.
durationmaximum	Integer		Maximum duration.
durationminimum	Integer		Minimum duration.
environmentfile	String		Environment file (length 4000).
estimatedmethod	Short		Estimated method.
excludeabnormalduration	Integer		Exclude abnormal duration.
exitcodenormaloperator	Short		Exit code normal operator.
fullpath	String		Full path (length 4000).
hasparent	String		Job has parent.
historyretention	Short		Retention history.
id	Integer		Id (primary key).
imageid	Integer		
imagelinkid	Integer		
imagelumt	Date		
imagetype	String		
inheritagent	String		Inherit agent (length 1).
inheritcalendar	String		Inherit calendar (length 1).
inheritoptions	String		Inherit options (length 1).
inheritrepeat	String		Inherit time window (length 1).
inherittimewindow	String		Inherit time window (length 1).
isnotes	Boolean		Is notes.
isrunbook	Boolean		Is run book.
jobclassid	Integer		Job class id.
jobclassimageid	Integer		
jobclassimagelumt	Date		
jobclassimagetype	String		
jobdeplist	String		Job dependency list.

Table A-68

Name	Type	Internal Field?	Description
jobdetailid	Integer		Job detail id.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
normalexitfromrange	Short		From range of normal exit.
normalexittorange	Short		To range of normal exit.
notes	String		Notes.
ownerid	Integer		Owner id.
parameters	String		Parameters.
parentactive	String		Job's parent active status if exists.
parentid	Integer		Parent id.
parentname	String		Parent name (length 4000).
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
recordname	String		Name of Master model object name
repeat	String		Repeat.
repeatcount	Short		Repeat count.
repeatinterval	Short		Repeat interval of Job.
rerundependency	String		Rerun dependency (length 1).
runbook	String		Run book.
runuserid	Integer		Runuser id.
saveoutputoption	String		Option to save output (length 1).
serviceid	Integer		Service id.
successorsvalue	String		Has successor (length 1).
timewindowfromtime	Date		Time window from time (Date).
timewindowfromtimeasstring	String		Time window from time (String).
timewindowoption	Short		Time window option.
timewindowuntiltime	Date		Time window until time (Date).
timewindowuntiltimeasstring	String		Time window until time (String).
trackingcommand	String		Tracking Command (length 4000).
trackingmethod	Short		Tracking method.
type	Short		Type of Job.
unixprofile	Short		Unix profile.
variables	String		Variables.
waitOperator	String		Wait operator.
workingdirectory	String		Working directory (length 4000).

MPEJobRun

Table A-69

Name	Type	Internal Field?	Description
actualstarttime	Date	Y	Actual start time (Date).
actualstarttimeasstring	String		Actual start time (String).
adhoc	Short		Agent instance.
agentinstance	Short		Agent instance.
alias	String		Allow rerun (length 1)
allowadhoc	String		Allow unscheduled (length 1).
batch	Short		Batch.
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calcdatetimevarlist	String		Calc date var list (clob 32M).
calendarid	Integer		Calendar id
carryover	Short		Carry over.
childjobloadedflag	Date		Child job loaded flag (length 1).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concur	Short		Concur
currentteststarttime	Date		Current estimated start time.
currentteststarttimeasstring	String		Current estimated start time (String). getCurrentEstimatedStartTimeAsString, setCurrentEstimatedStartTimeAsString and hasValueCurrentEstimatedStartTimeAsString.
dependencylogic	Short		Dependency logic.
dependencies	String		Dependencies.
dependencyrerun	String		Dependency rerun (length 1).
deptextlength	Integer		Dependency text length.
dirty	String		Dirty (length 1).
duration	Integer		Duration.
envfile	String		Environment file (length 4000).
estimatedduration	Integer		Estimated duration.
estimatedstarttime	Date		Estimated start time (Date).
estimatedstarttimeasstring	String		Estimated start time (String).
estmethod	Short		Estimation method.
exitcode	Integer		Exit code.
expire	Date		Expiration date.
expireasstring	String		Expiration date.
externidstring	String		External id (String).

Table A-69

Name	Type	Internal Field?	Description
flags1	Integer		Flags1.
fromstep	Short		From step.
fromtime	Date		From time (Date).
fromtimeasstring	String		From time (String).
fullpath	String		Full path (length 4000).
groupinstance	Short		Group instance.
hasdependents	String		Has dependents (length 1).
hasresourceslockedflag	String		Has resources locked flag (length 1).
id	Integer		Id (primary key).
ignoretimedependency	String		Ignore time dependency (length 1).
instance	Integer		Instance.
interval	Short		Interval.
intervalcount	Short		Interval count.
jobclassid	Integer		Job class id.
jobid	Integer		Job id.
jobparentid	Integer		Job parent id.
jobrunxml	String		Job run xml (clob 32M).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
launchacknowledged	Integer		Launch acknowledged.
launchtime	Date		Launch time (Date).
launchtimeasstring	String		Launch time (String).
maxruntime	Integer		Maximum run time.
metflag	String		Met flag (length 1).
minruntime	Integer		Minimum run time.
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
nodeid	Integer		Node id.
nodelistid	Integer		Node list id.
nontimedependencies	String		Non time dependencies (length 1).
normalexit	Short		Normal exit.
normalop	Short		Normal op.
normalrange	Short		Normal range.
notes	String		Notes.
originalstatus	Short		Original status.
outputlength	Integer		Output length.
outputname	String		Output name (length 4000).
outputtxt	String		Output text (length 1).

Table A-69

Name	Type	Internal Field?	Description
owner	Integer		Owner.
params	String		Parameters.
parentid	Integer		Parent id.
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
productiondate	Date		Production date.
productiondateasstring	String		Production date (String). getProductionDateAsString and setProductionDateAsString
proxy2	Integer		Proxy2.
queueid	Integer		Queue id.
queuetime	Date		Queue time.
queuetimeasstring	String		Queue time.
recordname	String		Name of Master model object name
rerun	String		Rerun (length 1).
reruns	Short		Reruns.
resetsuccessor	String		Reset successor (length 1).
runbook	String		
rundate	Date		Run date.
rundateasstring	String		Run date.
runinfoxml	String		Info xml (clob 32M).
runuserid	Integer		Run user id.
savelogonly	String		Save log only (length 1).
saveoutput	String		Save output (length 1).
serviceid	Integer		Service id.
startrundate	Date		Start Run date for a group.
startrundateasstring	String		Start Run date for a group.
status	Short		Status.
statuschangetime	Date	Y	Status change time.
statuschangetimeasstring	String		Status change time.
successorlist	String		Successor list (clob 32M).
successorsvalue	String		Has successor (length 1).
timebatch	Short		Time batch.
timedifference	Integer		Time difference.
timewindow	Short		Time window.
trackcommand	String		Tracking Command (length 4000).
trackmethod	Short		Tracking method.
transactionid	Integer		Transaction id.
triggeractionrun_transaction	Integer		Trigger action run transaction.
triggeractionrunid	Integer		Trigger action run id.
type	Short		Type of Job.

Table A-69

Name	Type	Internal Field?	Description
untiltime	Date		Until time (Date).
untiltimeasstring	String		Until time (String).
variables	String		Variables.
waitop	String		Wait op (length 1).
workingdirectory	String		Working directory (length 4000).
xmldata	String		Xml data.

MPENode

Table A-70

Name	Type	Internal Field?	Description
active	String		Active? (Y/N). getActive, setActive and hasValueActive.
activejobs	Short		Number of jobs currently running on agent. getActivejobs, setActivejobs and hasValueActivejobs.
agentload	Integer		Current load of the agent. getAgentLoad, setAgentLoad and hasValueAgentLoad.
agentversion	String		The version of the agent. getAgentversion, setAgentversion and hasValueAgentversion.
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionactive	String		ConnectionActive? (Y/N). getConnectionActive, setConnectionActive and hasValueConnectionActive.
currentoutageend	Date		The DateTime at which the current outage will end, or null if not currently in an outage period. getCurrentoutageend, setCurrentoutageend and hasValueCurrentoutageend.
currentoutageendasstring	String		Current outage end.
description	String		Description (clob 512M)
id	int		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
machine	Short		Machine name (length 1024)
name	String		Name (length 64). getName, setName and hasValueName.
nextoutagebegin	Date		The DateTime at which the next outage will begin, or null if currently in an outage period or none are defined for the node. getNextoutagebegin, setNextoutagebegin and hasValueNextoutagebegin.
nextoutagebeginasstring	String		Next outage begin.
nodeinfo	String		XML format field to store additional values. getNodeInfo, setNodeInfo and hasValueNodeInfo.

Table A-70

Name	Type	Internal Field?	Description
nodeuserid	Integer		Node user. getNodeUserID, setNodeUserID and hasValueNodeUserID.
ostype	Short		Os type. getOstype, setOstype and hasValueOstype.
port	Short		Backup to master port
recordname	String		Name of Master model object name.
runuser	Integer		Runtime user.
runuserdomain	String		
runusername	String		
serviceid	Integer		Service id. getServiceID, setServiceID and hasValueServiceID.
timediff	Integer		Time difference between master and agent. getTimediff, setTimediff and hasValueTimediff.
timezone	String		Time zone of Node. getTimezone, setTimezone and hasValueTimezone.
type	Short		Node type. getType, setType and hasValueType.
varset	String		Variable set for this connection (clob 6M).

MVSAgentList

Table A-71

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
childagentcount	Integer		Count for child Agent
childagentlistcount	Integer		Count for child AgentList
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description (length 4000).
fullpath	String		FullPath (length 4000).
hasparent	String		Job has parent.
id	Integer		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
listtype	Short		List type (short).
name	String		Object name (length 64).
ostype	Short		Operating system type (short).
parentid	Integer		Parent ID.
parentname	String		
recordname	String		Name of Master model object name.

MVSNode

Table A-72

Name	Type	Internal Field?	Description
active	String		Active? (Y/N). getActive, setActive and hasValueActive.
activejobs	Short		Number of jobs currently running on agent. getActivejobs, setActivejobs and hasValueActivejobs.
agentload	Integer		Current load of the agent. getAgentLoad, setAgentLoad and hasValueAgentLoad.
agentversion	String		The version of the agent. getAgentversion, setAgentversion and hasValueAgentversion.
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionactive	String		ConnectionActive? (Y/N). getConnectionActive, setConnectionActive and hasValueConnectionActive.
currentoutageend	Date		The DateTime at which the current outage will end, or null if not currently in an outage period. getCurrentoutageend, setCurrentoutageend and hasValueCurrentoutageend.
currentoutageendasstring	String		Current outage end.
description	String		Description (clob 512M)
id	int		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
machine	Short		Machine name (length 1024)
name	String		Name (length 64). getName, setName and hasValueName.
nextoutagebegin	Date		The DateTime at which the next outage will begin, or null if currently in an outage period or none are defined for the node. getNextoutagebegin, setNextoutagebegin and hasValueNextoutagebegin.
nextoutagebeginasstring	String		Next outage begin.
nodeinfo	String		XML format field to store additional values. getNodeInfo, setNodeInfo and hasValueNodeInfo.
nodeuserid	Integer		Node user. getNodeUserID, setNodeUserID and hasValueNodeUserID.
ostype	Short		Os type. getOstype, setOstype and hasValueOstype.
port	Short		Backup to master port
recordname	String		Name of Master model object name.
runuser	Integer		Runtime user.
runusername	String		
serviceid	Integer		Service id. getServiceID, setServiceID and hasValueServiceID.
timediff	Integer		Time difference between master and agent. getTimediff, setTimediff and hasValueTimediff.

Table A-72

Name	Type	Internal Field?	Description
timezone	String		Time zone of Node. getTimezone, setTimezone and hasValueTimezone.
type	Short		Node type. getType, setType and hasValueType.
varset	String		Variable set for this connection (clob 6M).

Node

Table A-73

Name	Type	Internal Field?	Description
active	String		Active? (Y/N). getActive, setActive and hasValueActive.
activejobs	Short		Number of jobs currently running on agent. getActivejobs, setActivejobs and hasValueActivejobs.
agentload	Integer		Current load of the agent. getAgentLoad, setAgentLoad and hasValueAgentLoad.
agentversion	String		The version of the agent. getAgentversion, setAgentversion and hasValueAgentversion.
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionactive	String		ConnectionActive? (Y/N). getConnectionActive, setConnectionActive and hasValueConnectionActive.
currentoutageend	Date		The DateTime at which the current outage will end, or null if not currently in an outage period. getCurrentoutageend, setCurrentoutageend and hasValueCurrentoutageend.
currentoutageendasstring	String		Current outage end.
defaultconnectionid	Integer		
description	String		Description (clob 512M)
floating	String		
id	Integer		Id (primary key)
inuse	Integer		
joblimit	Short		Job limit (applies to all except Email, TA and Z/OS).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
machine	Short		Machine name (length 1024)
name	String		Name (length 64). getName, setName and hasValueName.
nextoutagebegin	Date		The DateTime at which the next outage will begin, or null if currently in an outage period or none are defined for the node. getNextoutagebegin, setNextoutagebegin and hasValueNextoutagebegin.
nextoutagebeginasstring	String		Next outage begin.
nodeinfo	String		XML format field to store additional values. getNodeInfo, setNodeInfo and hasValueNodeInfo.

Table A-73

Name	Type	Internal Field?	Description
nodeuserid	Integer		Node user. getNodeUserID, setNodeUserID and hasValueNodeUserID.
ostype	Short		Os type. getOstype, setOstype and hasValueOstype.
port	Short		Backup to master port
recordname	String		Name of Master model object name.
runuser	Integer		Runtime user.
runuserdomain	String		
runusername	String		
serviceguid	String		
serviceid	Integer		Service id. getServiceID, setServiceID and hasValueServiceID.
servicename	String		
timediff	Integer		Time difference between master and agent. getTimediff, setTimediff and hasValueTimediff.
timezone	String		Time zone of Node. getTimezone, setTimezone and hasValueTimezone.
type	Short		Node type. getType, setType and hasValueType.
varset	String		Variable set for this connection (clob 6M).

NodeOutage

Table A-74

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarid	Integer		Calendar id
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionid	Integer		Connection id
fromtime	Date		From time (Date)
fromtimeasstring	String		From time (String)
id	Integer		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
recordname	String		Name of Master model object name.
state	Short		State
untiltime	Date		Until time (Date)
untiltimeasstring	String		Until time (String)

NodeResourceValue

Table A-75

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
currentsinceconnected	String		Flag indicating if the value has been updated since the connection to the node was established Y or N. (1 char).
currentvalue	String		Current Value (4000 chars).
id	Integer		Id (primary key)
interval	Short		Refresh interval for resource collection.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastvalue	String		Last Value (4000 chars).
nodeid	Integer		Node id. getNodeid and setNodeid.
recordname	String		Name of Master model object name.
resourceid	Integer		Resource id. getResourceid and setResourceid.

NullContent

Table A-76

Name	Type	Internal Field?	Description

OS400Job

Table A-77

Name	Type	Internal Field?	Description
active	String		Active (length 1)
agentid	Integer		Agent id
agentlistid	Integer		Agent list id
alias	String		Alias (length 16).
allowrerun	String		Allow rerun (length 1)
allowunscheduled	String		Allow unscheduled (length 1).
alternateoutputfile	String		Alternate output file (length 4000)
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarfromdate	Date		Calendar from date (Date).
calendarfromdateasstring	Date		Calendar from date (String).

Table A-77

Name	Type	Internal Field?	Description
calendarid	Integer		Calendar id
calendaroffset	Short		Calendar offset.
calendaruntildate	Date		Calendar until date (Date).
calendaruntildateasstring	String		Calendar until date (String).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concurrency	Short		Concurrency.
createtime	Date		Create time.
dependencylogic	Short		Dependency logic.
dirty	String		Dirty (length 1).
disablecarryover	Short		Disable carryover.
durationestimated	Integer		Estimated duration.
durationmaximum	Integer		Maximum duration.
durationminimum	Integer		Minimum duration.
environmentfile	String		Environment file (length 4000).
estimatedmethod	Short		Estimated method.
excludeabnormalduration	Integer		Exclude abnormal duration.
exitcodenormaloperator	Short		Exit code normal operator.
fullpath	String		Full path (length 4000).
hasparent	String		Job has parent.
historyretention	Short		Retention history.
id	Integer		Id (primary key).
imageid	Integer		
imagelinkid	Integer		
imagelumt	Date		
imagetype	String		
inheritagent	String		Inherit agent (length 1).
inheritcalendar	String		Inherit calendar (length 1).
inheritoptions	String		Inherit options (length 1).
inheritrepeat	String		Inherit time window (length 1).
inherittimewindow	String		Inherit time window (length 1).
isnotes	Boolean		Is notes.
isrunbook	Boolean		Is run book.
jobclassid	Integer		Job class id.
jobclassimageid	Integer		
jobclassimagelumt	Date		
jobclassimagetype	String		

Table A-77

Name	Type	Internal Field?	Description
jobdeplist	String		Job dependency list.
jobdetailid	Integer		Job detail id.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
normalexitfromrange	Short		From range of normal exit.
normalexittorange	Short		To range of normal exit.
notes	String		Notes.
ownerid	Integer		Owner id.
parameters	String		Parameters.
parentactive	String		Job's parent active status if exists.
parentid	Integer		Parent id.
parentname	String		Parent name (length 4000).
pge1command	String		Page 1 command getPge1Command setPge1Command
pge1jobdescription	String		Page 1 job description
pge1jobdescriptionlib	String		Page 1 job description library
pge1jobname	String		Page 1 job name
pge1jobpriority	String		Page 1 job priority
pge1jobqueue	String		Page 1 job queue
pge1jobqueuelib	String		Page 1 job queue library
pge1outputpriority	String		Page 1 output priority
pge1outputqueue	String		Page 1 output queue
pge1outputqueuelib	String		Page 1 output queue library
pge1printdevice	String		Page 1 print device
pge2printtext	String		Page 2 print text
pge2reqdatacmd	String		Page 2 request data command
pge2routedata	String		Page 2 route data
pge2user	String		Page 2 user
pge3currentlib	String		Page 3 current library
pge3displaysbmjob	String		Page 3 display sbm job
pge3holdjobqueue	String		Page 3 hold job queue
pge3initiallib	String		Page 3 initial library
pge3inqmsgreply	String		Page 3 message reply
pge3jobswitches	String		Page 3 job switches
pge3mloglevel	String		Page 3 mlog level
pge3mlogseverity	String		Page 3 mlog severity
pge3mlogtext	String		Page 3 mlog text (String)

Table A-77

Name	Type	Internal Field?	Description
pge3progcommand	String		Page 3 program command
pge3systemlib	String		Page 3 system library
pge4allowmultithreads	String		Page 4 allow multiple threads
pge4charsetid	String		Page 4 character set id
pge4copyenvvariables	String		Page 4 copy environment variables
pge4countryid	String		Page 4 country id
pge4initialaspgroup	String		Page 4 initial asp group
pge4jobmqueuefullaction	String		Page 4 job mqueue full action
pge4jobmqueuesize	String		Page 4 job mqueue size
pge4languageid	String		Page 4 language id
pge4msgqueue	String		Page 4 message queue
pge4msgqueueelib	String		Page 4 message queue library
pge4number	String		Page 4 number
pge4sortsequence	String		Page 4 short sequence
pge4sortsequencelib	String		Page 4 short sequence library
pge4spoolfileaction	String		Page 4 spool file action
pge4submittedfor	String		Page 4 submitted for
pge4user	String		Page 4 user
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
recordname	String		Name of Master model object name
repeat	String		Repeat.
repeatcount	Short		Repeat count.
repeatinterval	Short		Repeat interval of Job.
rerundependency	String		Rerun dependency (length 1).
runbook	String		Run book.
runuserid	Integer		Runuser id.
saveoutputoption	String		Option to save output (length 1).
serviceid	Integer		Service id.
successorsvalue	String		Has successor (length 1).
timewindowfromtime	Date		Time window from time (Date).
timewindowfromtimeasstring	String		Time window from time (String).
timewindowoption	Short		Time window option.
timewindowuntiltime	Date		Time window until time (Date).
timewindowuntiltimeasstring	String		Time window until time (String).
trackingcommand	String		Tracking Command (length 4000).
trackingmethod	Short		Tracking method.
type	Short		Type of Job.

Table A-77

Name	Type	Internal Field?	Description
unixprofile	Short		Unix profile.
variables	String		Variables.
waitOperator	String		Wait operator.
workingdirectory	String		Working directory (length 4000).

OS400Node

Table A-78

Name	Type	Internal Field?	Description
active	String		Active? (Y/N). getActive, setActive and hasValueActive.
activejobs	Short		Number of jobs currently running on agent. getActivejobs, setActivejobs and hasValueActivejobs.
agentload	Integer		Current load of the agent. getAgentLoad, setAgentLoad and hasValueAgentLoad.
agentversion	String		The version of the agent. getAgentversion, setAgentversion and hasValueAgentversion.
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionactive	String		ConnectionActive? (Y/N). getConnectionActive, setConnectionActive and hasValueConnectionActive.
currentoutageend	Date		The DateTime at which the current outage will end, or null if not currently in an outage period. getCurrentoutageend, setCurrentoutageend and hasValueCurrentoutageend.
currentoutageendasstring	String		Current outage end.
description	String		Description (clob 512M)
id	Integer		Id (primary key)
joblimit	Short		Job limit (applies to all except Email, TA and Z/OS).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
machine	Short		Machine name (length 1024)
name	String		Name (length 64). getName, setName and hasValueName.
nextoutagebegin	Date		The DateTime at which the next outage will begin, or null if currently in an outage period or none are defined for the node. getNextoutagebegin, setNextoutagebegin and hasValueNextoutagebegin.
nextoutagebeginasstring	String		Next outage begin.
nodeuserid	Integer		Node user. getNodeUserID, setNodeUserID and hasValueNodeUserID.
ostype	Short		Os type. getOstype, setOstype and hasValueOstype.
recordname	String		Name of Master model object name.
runuser	Integer		Runtime user.

Table A-78

Name	Type	Internal Field?	Description
runusername	String		
serviceguid	String		
serviceid	Integer		Service id. getServiceID, setServiceID and hasValueServiceID.
timediff	Integer		Time difference between master and agent. getTimediff, setTimediff and hasValueTimediff.
timezone	String		Time zone of Node. getTimezone, setTimezone and hasValueTimezone.
type	Short		Node type. getType, setType and hasValueType.
varset	String		Variable set for this connection (clob 6M).

OSJob

Table A-79

Name	Type	Internal Field?	Description
active	String		Active (length 1)
agentid	Integer		Agent id
agentlistid	Integer		Agent list id
alias	String		Alias (length 16).
allowrerun	String		Allow rerun (length 1)
allowunscheduled	String		Allow unscheduled (length 1).
alternateoutputfile	String		Alternate output file (length 4000)
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarfromdate	Date		Calendar from date (Date).
calendarfromdateasstring	Date		Calendar from date (String).
calendarid	Integer		Calendar id
calendaroffset	Short		Calendar offset.
calendaruntildate	Date		Calendar until date (Date).
calendaruntildateasstring	String		Calendar until date (String).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concurrency	Short		Concurrency.
createtime	Date		Create time.
dependencylogic	Short		Dependency logic.
dirty	String		Dirty (length 1).
disablecarryover	Short		Disable carryover.

Table A-79

Name	Type	Internal Field?	Description
durationestimated	Integer		Estimated duration.
durationmaximum	Integer		Maximum duration.
durationminimum	Integer		Minimum duration.
environmentfile	String		Environment file (length 4000).
estimatedmethod	Short		Estimated method.
excludeabnormalduration	Integer		Exclude abnormal duration.
exitcodenormaloperator	Short		Exit code normal operator.
fullpath	String		Full path (length 4000).
hasparent	String		Job has parent.
historyretention	Short		Retention history.
id	Integer		Id (primary key).
imageid	Integer		
imagelinkid	Integer		
imagelumt	Date		
imagetype	String		
inheritagent	String		Inherit agent (length 1).
inheritcalendar	String		Inherit calendar (length 1).
inheritoptions	String		Inherit options (length 1).
inheritrepeat	String		Inherit time window (length 1).
inherittimewindow	String		Inherit time window (length 1).
isnotes	Boolean		Is notes.
isrunbook	Boolean		Is run book.
jobclassid	Integer		Job class id.
jobclassimageid	Integer		
jobclassimagelumt	Date		
jobclassimagetype	String		
jobdeplist	String		Job dependency list.
jobdetailid	Integer		Job detail id.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
normalexitfromrange	Short		From range of normal exit.
normalexittorange	Short		To range of normal exit.
notes	String		Notes.
ownerid	Integer		Owner id.
parameters	String		Parameters.
parentactive	String		Job's parent active status if exists.
parentid	Integer		Parent id.

Table A-79

Name	Type	Internal Field?	Description
parentname	String		Parent name (length 4000).
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
recordname	String		Name of Master model object name
repeat	String		Repeat.
repeatcount	Short		Repeat count.
repeatinterval	Short		Repeat interval of Job.
rerundependency	String		Rerun dependency (length 1).
runbook	String		Run book.
runuserid	Integer		Runuser id.
saveoutputoption	String		Option to save output (length 1).
serviceid	Integer		Service id.
successorsvalue	String		Has successor (length 1).
timewindowfromtime	Date		Time window from time (Date).
timewindowfromtimeasstring	String		Time window from time (String).
timewindowoption	Short		Time window option.
timewindowuntiltime	Date		Time window until time (Date).
timewindowuntiltimeasstring	String		Time window until time (String).
trackingcommand	String		Tracking Command (length 4000).
trackingmethod	Short		Tracking method.
type	Short		Type of Job.
unixprofile	Short		Unix profile.
variables	String		Variables.
waitOperator	String		Wait operator.
workingdirectory	String		Working directory (length 4000).

OSJobRun

Table A-80

Name	Type	Internal Field?	Description
actualstarttime	Date		Actual start time (Date).
actualstarttimeasstring	String		Actual start time (String).
adhoc	Short		Agent instance.
agentinstance	Short		Agent instance.
alias	String		Allow rerun (length 1)
allowadhoc	String		Allow unscheduled (length 1).
batch	Short		Batch.
businessunitid	Integer		BusinessUnit id

Table A-80

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calcdatetimevarlist	String		Calc date var list (clob 32M).
calendarid	Integer		Calendar id
carryover	Short		Carry over.
childjobloadedflag	Date		Child job loaded flag (length 1).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concur	Short		Concur
currentteststarttime	Date		Current estimated start time.
currentteststarttimeasstring	String		Current estimated start time (String). getCurrentEstimatedStartTimeAsString, setCurrentEstimatedStartTimeAsString and hasValueCurrentEstimatedStartTimeAsString.
dependencylogic	Short		Dependency logic.
dependencies	String		Dependencies.
dependencyrerun	String		Dependency rerun (length 1).
deptextlength	Integer		Dependency text length.
dirty	String		Dirty (length 1).
duration	Integer		Duration.
envfile	String		Environment file (length 4000).
estimatedduration	Integer		Estimated duration.
estimatedstarttime	Date		Estimated start time (Date).
estimatedstarttimeasstring	String		Estimated start time (String).
estmethod	Short		Estimation method.
exitcode	Integer		Exit code.
expire	Date		Expiration date.
expireasstring	String		Expiration date.
externidstring	String		External id (String).
flags1	Integer		Flags1.
fromstep	Short		From step.
fromtime	Date		From time (Date).
fromtimeasstring	String		From time (String).
fullpath	String		Full path (length 4000).
groupinstance	Short		Group instance.
hasdependents	String		Has dependents (length 1).
hasresourceslockedflag	String		Has resources locked flag (length 1).
id	Integer		Id (primary key).
ignoretimedependency	String		Ignore time dependency (length 1).
instance	Integer		Instance.

Table A-80

Name	Type	Internal Field?	Description
interval	Short		Interval.
intervalcount	Short		Interval count.
jobclassid	Integer		Job class id.
jobid	Integer		Job id.
jobparentid	Integer		Job parent id.
jobrunxml	String		Job run xml (clob 32M).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
launchacknowledged	Integer		Launch acknowledged.
launchtime	Date		Launch time (Date).
launchtimeasstring	String		Launch time (String).
maxruntime	Integer		Maximum run time.
metflag	String		Met flag (length 1).
minruntime	Integer		Minimum run time.
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
nodeid	Integer		Node id.
nodelistid	Integer		Node list id.
nontimedependencies	String		Non time dependencies (length 1).
normalexit	Short		Normal exit.
normalop	Short		Normal op.
normalrange	Short		Normal range.
notes	String		Notes.
originalstatus	Short		Original status.
outputlength	Integer		Output length.
outputname	String		Output name (length 4000).
outputtxt	String		Output text (length 1).
owner	Integer		Owner.
params	String		Parameters.
parentid	Integer		Parent id.
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
productiondate	Date		Production date.
productiondateasstring	String		Production date (String). getProductionDateAsString and setProductionDateAsString
proxy2	Integer		Proxy2.
queueid	Integer		Queue id.
queuetime	Date		Queue time.
queuetimeasstring	String		Queue time.

Table A-80

Name	Type	Internal Field?	Description
recordname	String		Name of Master model object name
rerun	String		Rerun (length 1).
reruns	Short		Reruns.
resetsuccessor	String		Reset successor (length 1).
runbook	String		
rundate	Date		Run date.
rundateasstring	String		Run date.
runinfoxml	String		Info xml (clob 32M).
runuserid	Integer		Run user id.
savelogonly	String		Save log only (length 1).
saveoutput	String		Save output (length 1).
serviceid	Integer		Service id.
startrundate	Date		Start Run date for a group.
startrundateasstring	String		Start Run date for a group.
status	Short		Status.
statuschangetime	Date	Y	Status change time.
statuschangetimeasstring	String		Status change time.
successorlist	String		Successor list (clob 32M).
successorsvalue	String		Has successor (length 1).
timebatch	Short		Time batch.
timedifference	Integer		Time difference.
timewindow	Short		Time window.
trackcommand	String		Tracking Command (length 4000).
trackmethod	Short		Tracking method.
transactionid	Integer		Transaction id.
triggeractionrun_transaction	Integer		Trigger action run transaction.
triggeractionrunid	Integer		Trigger action run id.
type	Short		Type of Job.
untiltime	Date		Until time (Date).
untiltimeasstring	String		Until time (String).
variables	String		Variables.
waitop	String		Wait op (length 1).
workingdirectory	String		Working directory (length 4000).
xmldata	String		Xml data.

OVMSAgentList

Table A-81

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
childagentcount	Integer		Count for child Agent
childagentlistcount	Integer		Count for child AgentList
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description (length 4000).
fullpath	String		FullPath (length 4000).
hasparent	String		Job has parent.
id	Integer		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
listtype	Short		List type (short).
name	String		Object name (length 64).
ostype	Short		Operating system type (short).
parentid	Integer		Parent ID.
parentname	String		
recordname	String		Name of Master model object name.

OVMSBatch

Table A-82

Name	Type	Internal Field?	Description
active	String		Active (length 1)
agentid	Integer		Agent id
agentlistid	Integer		Agent list id
alias	String		Alias (length 16).
allowrerun	String		Allow rerun (length 1)
allowunscheduled	String		Allow unscheduled (length 1).
alternateoutputfile	String		Alternate output file (length 4000)
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarfromdate	Date		Calendar from date (Date).
calendarfromdateasstring	Date		Calendar from date (String).
calendarid	Integer		Calendar id

Table A-82

Name	Type	Internal Field?	Description
calendaroffset	Short		Calendar offset.
calendaruntildate	Date		Calendar until date (Date).
calendaruntildateasstring	String		Calendar until date (String).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
cmdcli	String		Cmd:Cli (length 1024)
cmdjobargs	String		Cmd:job arguments (length 1024)
cmdjobname	String		Cmd:job name (length 1024)
cmdjobqueue	String		Cmd:job queue (length 1024)
cmdlogfile	String		Cmd:WS extent (length 1024)
cmdWSDefault	String		Cmd:WS default (length 1024)
cmdWSExtent	String		Cmd: WS extent (length 1024).
cmdwsquota	String		Cmd:WS quota (length 1024)
command	String		Command (length 4000).
concurrency	Short		Concurrency.
createtime	Date		Create time.
dependencylogic	Short		Dependency logic.
dirty	String		Dirty (length 1).
disablecarryover	Short		Disable carryover.
durationestimated	Integer		Estimated duration.
durationmaximum	Integer		Maximum duration.
durationminimum	Integer		Minimum duration.
environmentfile	String		Environment file (length 4000).
estimatedmethod	Short		Estimated method.
excludeabnormalduration	Integer		Exclude abnormal duration.
exitcodenormaloperator	Short		Exit code normal operator.
fullpath	String		Full path (length 4000).
hasparent	String		Job has parent.
historyretention	Short		Retention history.
id	Integer		Id (primary key).
imageid	Integer		
imagelinkid	Integer		
imagetype	String		
inheritagent	String		Inherit agent (length 1).
inheritcalendar	String		Inherit calendar (length 1).
inheritoptions	String		Inherit options (length 1).
inheritrepeat	String		Inherit time window (length 1).
inherittimewindow	String		Inherit time window (length 1).
isnotes	Boolean		Is notes.

Table A-82

Name	Type	Internal Field?	Description
isrunbook	Boolean		Is run book.
jobclassid	Integer		Job class id.
jobclassimageid	Integer		
jobclassimagetype	String		
jobdeplist	String		Job dependency list.
jobdetailid	Integer		Job detail id.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
normalexitfromrange	Short		From range of normal exit.
normalexittorange	Short		To range of normal exit.
notes	String		Notes.
ownerid	Integer		Owner id.
parameters	String		Parameters.
parentactive	String		Job's parent active status if exists.
parentid	Integer		Parent id.
parentname	String		Parent name (length 4000).
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
recordname	String		Name of Master model object name
repeat	String		Repeat.
repeatcount	Short		Repeat count.
repeatinterval	Short		Repeat interval of Job.
rerundependency	String		Rerun dependency (length 1).
runbook	String		Run book.
runuserid	Integer		Runuser id.
saveoutputoption	String		Option to save output (length 1).
serviceid	Integer		Service id.
successorsvalue	String		Has successor (length 1).
timewindowfromtime	Date		Time window from time (Date).
timewindowfromtimeasstring	String		Time window from time (String).
timewindowoption	Short		Time window option.
timewindowuntiltime	Date		Time window until time (Date).
timewindowuntiltimeasstring	String		Time window until time (String).
trackingcommand	String		Tracking Command (length 4000).
trackingmethod	Short		Tracking method.
type	Short		Type of Job.

Table A-82

Name	Type	Internal Field?	Description
unixprofile	Short		Unix profile.
variables	String		Variables.
waitOperator	String		Wait operator.
workingdirectory	String		Working directory (length 4000).

OVMSBatchJobRun

Table A-83

Name	Type	Internal Field?	Description
actualstarttime	Date	Y	Actual start time (Date).
actualstarttimeasstring	String		Actual start time (String).
adhoc	Short		Agent instance.
agentinstance	Short		Agent instance.
alias	String		Allow rerun (length 1)
allowadhoc	String		Allow unscheduled (length 1).
batch	Short		Batch.
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calcdatetimevarlist	String		Calc date var list (clob 32M).
calendarid	Integer		Calendar id
carryover	Short		Carry over.
childjobloadedflag	Date		Child job loaded flag (length 1).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
cmdcli	String		Cmd:Cli (length 1024)
cmdjobargs	String		Cmd:job arguments (length 1024)
cmdjobname	String		Cmd:job name (length 1024)
cmdjobqueue	String		Cmd:job queue (length 1024)
cmdlogfile	String		Cmd:WS extent (length 1024)
cmdWSExtent	String		Cmd: WS extent (length 1024).
cmdwsquota	String		Cmd:WS quota (length 1024)
command	String		Command (length 4000).
concur	Short		Concur
currentteststarttime	Date		Current estimated start time.
currentteststarttimeasstring	String		Current estimated start time (String). getCurrentEstimatedStartTimeAsString, setCurrentEstimatedStartTimeAsString and hasValueCurrentEstimatedStartTimeAsString.
dependencylogic	Short		Dependency logic.

Table A-83

Name	Type	Internal Field?	Description
dependencies	String		Dependencies.
dependencyrerun	String		Dependency rerun (length 1).
deptextlength	Integer		Dependency text length.
dirty	String		Dirty (length 1).
duration	Integer		Duration.
envfile	String		Environment file (length 4000).
estimatedduration	Integer		Estimated duration.
estimatedstarttime	Date		Estimated start time (Date).
estimatedstarttimeasstring	String		Estimated start time (String).
estmethod	Short		Estimation method.
exitcode	Integer		Exit code.
expire	Date		Expiration date.
expireasstring	String		Expiration date.
externidstring	String		External id (String).
flags1	Integer		Flags1.
fromstep	Short		From step.
fromtime	Date		From time (Date).
fromtimeasstring	String		From time (String).
fullpath	String		Full path (length 4000).
groupinstance	Short		Group instance.
hasdependents	String		Has dependents (length 1).
hasresourceslockedflag	String		Has resources locked flag (length 1).
id	Integer		Id (primary key).
ignoretimedependency	String		Ignore time dependency (length 1).
instance	Integer		Instance.
interval	Short		Interval.
intervalcount	Short		Interval count.
jobclassid	Integer		Job class id.
jobid	Integer		Job id.
jobparentid	Integer		Job parent id.
jobrunxml	String		Job run xml (clob 32M).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
launchacknowledged	Integer		Launch acknowledged.
launchtime	Date		Launch time (Date).
launchtimeasstring	String		Launch time (String).
maxruntime	Integer		Maximum run time.
metflag	String		Met flag (length 1).

Table A-83

Name	Type	Internal Field?	Description
minruntime	Integer		Minimum run time.
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
nodeid	Integer		Node id.
odelistid	Integer		Node list id.
nontimedependencies	String		Non time dependencies (length 1).
normalexit	Short		Normal exit.
normalop	Short		Normal op.
normalrange	Short		Normal range.
notes	String		Notes.
originalstatus	Short		Original status.
outputlength	Integer		Output length.
outputname	String		Output name (length 4000).
outputtxt	String		Output text (length 1).
owner	Integer		Owner.
params	String		Parameters.
parentid	Integer		Parent id.
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
productiondate	Date		Production date.
productiondateasstring	String		Production date (String). getProductionDateAsString and setProductionDateAsString
proxy2	Integer		Proxy2.
queueid	Integer		Queue id.
queuetime	Date		Queue time.
queuetimeasstring	String		Queue time.
recordname	String		Name of Master model object name
rerun	String		Rerun (length 1).
reruns	Short		Reruns.
resetsuccessor	String		Reset successor (length 1).
runbook	String		
rundate	Date		Run date.
rundateasstring	String		Run date.
runinfoxml	String		Info xml (clob 32M).
runuserid	Integer		Run user id.
savelogonly	String		Save log only (length 1).
saveoutput	String		Save output (length 1).
serviceid	Integer		Service id.
startrundate	Date		Start Run date for a group.
startrundateasstring	String		Start Run date for a group.

Table A-83

Name	Type	Internal Field?	Description
status	Short		Status.
statuschangetime	Date	Y	Status change time.
statuschangetimeasstring	String		Status change time.
successorlist	String		Successor list (clob 32M).
successorsvalue	String		Has successor (length 1).
timebatch	Short		Time batch.
timedifference	Integer		Time difference.
timewindow	Short		Time window.
trackcommand	String		Tracking Command (length 4000).
trackmethod	Short		Tracking method.
transactionid	Integer		Transaction id.
triggeractionrun_transaction	Integer		Trigger action run transaction.
triggeractionrunid	Integer		Trigger action run id.
type	Short		Type of Job.
untiltime	Date		Until time (Date).
untiltimeasstring	String		Until time (String).
variables	String		Variables.
waitop	String		Wait op (length 1).
workingdirectory	String		Working directory (length 4000).
xmldata	String		Xml data.

OVMSCommand

Table A-84

Name	Type	Internal Field?	Description
active	String		Active (length 1)
agentid	Integer		Agent id
agentlistid	Integer		Agent list id
alias	String		Alias (length 16).
allowrerun	String		Allow rerun (length 1)
allowunscheduled	String		Allow unscheduled (length 1).
alternateoutputfile	String		Alternate output file (length 4000)
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarfromdate	Date		Calendar from date (Date).
calendarfromdateasstring	Date		Calendar from date (String).
calendarid	Integer		Calendar id

Table A-84

Name	Type	Internal Field?	Description
calendaroffset	Short		Calendar offset.
calendaruntildate	Date		Calendar until date (Date).
calendaruntildateasstring	String		Calendar until date (String).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concurrency	Short		Concurrency.
createtime	Date		Create time.
dependencylogic	Short		Dependency logic.
dirty	String		Dirty (length 1).
disablecarryover	Short		Disable carryover.
durationestimated	Integer		Estimated duration.
durationmaximum	Integer		Maximum duration.
durationminimum	Integer		Minimum duration.
environmentfile	String		Environment file (length 4000).
estimatedmethod	Short		Estimated method.
excludeabnormalduration	Integer		Exclude abnormal duration.
exitcodenormaloperator	Short		Exit code normal operator.
fullpath	String		Full path (length 4000).
hasparent	String		Job has parent.
historyretention	Short		Retention history.
id	Integer		Id (primary key).
imageid	Integer		
imagelinkid	Integer		
imagetype	String		
inheritagent	String		Inherit agent (length 1).
inheritcalendar	String		Inherit calendar (length 1).
inheritoptions	String		Inherit options (length 1).
inheritrepeat	String		Inherit time window (length 1).
inherittimewindow	String		Inherit time window (length 1).
isnotes	Boolean		Is notes.
isrunbook	Boolean		Is run book.
jobclassid	Integer		Job class id.
jobclassimageid	Integer		
jobclassimagetype	String		
jobdeplist	String		Job dependency list.
jobdetailid	Integer		Job detail id.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time

Table A-84

Name	Type	Internal Field?	Description
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
normalexitfromrange	Short		From range of normal exit.
normalexittorange	Short		To range of normal exit.
notes	String		Notes.
ownerid	Integer		Owner id.
parameters	String		Parameters.
parentactive	String		Job's parent active status if exists.
parentid	Integer		Parent id.
parentname	String		Parent name (length 4000).
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
recordname	String		Name of Master model object name
repeat	String		Repeat.
repeatcount	Short		Repeat count.
repeatinterval	Short		Repeat interval of Job.
rerundependency	String		Rerun dependency (length 1).
runbook	String		Run book.
runuserid	Integer		Runuser id.
saveoutputoption	String		Option to save output (length 1).
serviceid	Integer		Service id.
successorsvalue	String		Has successor (length 1).
timewindowfromtime	Date		Time window from time (Date).
timewindowfromtimeasstring	String		Time window from time (String).
timewindowoption	Short		Time window option.
timewindowuntiltime	Date		Time window until time (Date).
timewindowuntiltimeasstring	String		Time window until time (String).
trackingcommand	String		Tracking Command (length 4000).
trackingmethod	Short		Tracking method.
type	Short		Type of Job.
unixprofile	Short		Unix profile.
variables	String		Variables.
waitOperator	String		Wait operator.
workingdirectory	String		Working directory (length 4000).

OVMSCommandJobRun

Table A-85

Name	Type	Internal Field?	Description
actualstarttime	Date	Y	Actual start time (Date).
actualstarttimeasstring	String		Actual start time (String).
adhoc	Short		Agent instance.
agentinstance	Short		Agent instance.
alias	String		Allow rerun (length 1)
allowadhoc	String		Allow unscheduled (length 1).
batch	Short		Batch.
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calcdatetimevarlist	String		Calc date var list (clob 32M).
calendarid	Integer		Calendar id
carryover	Short		Carry over.
childjobloadedflag	Date		Child job loaded flag (length 1).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concur	Short		Concur
currentteststarttime	Date		Current estimated start time.
currentteststarttimeasstring	String		Current estimated start time (String). getCurrentEstimatedStartTimeAsString, setCurrentEstimatedStartTimeAsString and hasValueCurrentEstimatedStartTimeAsString.
dependencylogic	Short		Dependency logic.
dependencies	String		Dependencies.
dependencyrerun	String		Dependency rerun (length 1).
deptextlength	Integer		Dependency text length.
dirty	String		Dirty (length 1).
duration	Integer		Duration.
envfile	String		Environment file (length 4000).
estimatedduration	Integer		Estimated duration.
estimatedstarttime	Date		Estimated start time (Date).
estimatedstarttimeasstring	String		Estimated start time (String).
estmethod	Short		Estimation method.
exitcode	Integer		Exit code.
expire	Date		Expiration date.
expireasstring	String		Expiration date.
externidstring	String		External id (String).

Table A-85

Name	Type	Internal Field?	Description
flags1	Integer		Flags1.
fromstep	Short		From step.
fromtime	Date		From time (Date).
fromtimeasstring	String		From time (String).
fullpath	String		Full path (length 4000).
groupinstance	Short		Group instance.
hasdependents	String		Has dependents (length 1).
hasresourceslockedflag	String		Has resources locked flag (length 1).
id	Integer		Id (primary key).
ignoretimedependency	String		Ignore time dependency (length 1).
instance	Integer		Instance.
interval	Short		Interval.
intervalcount	Short		Interval count.
jobclassid	Integer		Job class id.
jobid	Integer		Job id.
jobparentid	Integer		Job parent id.
jobrunxml	String		Job run xml (clob 32M).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
launchacknowledged	Integer		Launch acknowledged.
launchtime	Date		Launch time (Date).
launchtimeasstring	String		Launch time (String).
maxruntime	Integer		Maximum run time.
metflag	String		Met flag (length 1).
minruntime	Integer		Minimum run time.
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
nodeid	Integer		Node id.
nodelistid	Integer		Node list id.
nontimedependencies	String		Non time dependencies (length 1).
normalexit	Short		Normal exit.
normalop	Short		Normal op.
normalrange	Short		Normal range.
notes	String		Notes.
originalstatus	Short		Original status.
outputlength	Integer		Output length.
outputname	String		Output name (length 4000).
outputtxt	String		Output text (length 1).

Table A-85

Name	Type	Internal Field?	Description
owner	Integer		Owner.
params	String		Parameters.
parentid	Integer		Parent id.
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
productiondate	Date		Production date.
productiondateasstring	String		Production date (String). getProductionDateAsString and setProductionDateAsString
proxy2	Integer		Proxy2.
queueid	Integer		Queue id.
queuetime	Date		Queue time.
queuetimeasstring	String		Queue time.
recordname	String		Name of Master model object name
rerun	String		Rerun (length 1).
reruns	Short		Reruns.
resetsuccessor	String		Reset successor (length 1).
runbook	String		
rundate	Date		Run date.
rundateasstring	String		Run date.
runinfoxml	String		Info xml (clob 32M).
runuserid	Integer		Run user id.
savelogonly	String		Save log only (length 1).
saveoutput	String		Save output (length 1).
serviceid	Integer		Service id.
startrundate	Date		Start Run date for a group.
startrundateasstring	String		Start Run date for a group.
status	Short		Status.
statuschangetime	Date	Y	Status change time.
statuschangetimeasstring	String		Status change time.
successorlist	String		Successor list (clob 32M).
successorsvalue	String		Has successor (length 1).
timebatch	Short		Time batch.
timedifference	Integer		Time difference.
timewindow	Short		Time window.
trackcommand	String		Tracking Command (length 4000).
trackmethod	Short		Tracking method.
transactionid	Integer		Transaction id.
triggeractionrun_transaction	Integer		Trigger action run transaction.
triggeractionrunid	Integer		Trigger action run id.
type	Short		Type of Job.

Table A-85

Name	Type	Internal Field?	Description
untiltime	Date		Until time (Date).
untiltimeasstring	String		Until time (String).
variables	String		Variables.
waitop	String		Wait op (length 1).
workingdirectory	String		Working directory (length 4000).
xmldata	String		Xml data.

OVMSJob

Table A-86

Name	Type	Internal Field?	Description
active	String		Active (length 1)
agentid	Integer		Agent id
agentlistid	Integer		Agent list id
alias	String		Alias (length 16).
allowrerun	String		Allow rerun (length 1)
allowunscheduled	String		Allow unscheduled (length 1).
alternateoutputfile	String		Alternate output file (length 4000)
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarfromdate	Date		Calendar from date (Date).
calendarfromdateasstring	Date		Calendar from date (String).
calendarid	Integer		Calendar id
calendaroffset	Short		Calendar offset.
calendaruntildate	Date		Calendar until date (Date).
calendaruntildateasstring	String		Calendar until date (String).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concurrency	Short		Concurrency.
createtime	Date		Create time.
dependencylogic	Short		Dependency logic.
dirty	String		Dirty (length 1).
disablecarryover	Short		Disable carryover.
durationestimated	Integer		Estimated duration.
durationmaximum	Integer		Maximum duration.
durationminimum	Integer		Minimum duration.

Table A-86

Name	Type	Internal Field?	Description
environmentfile	String		Environment file (length 4000).
estimatedmethod	Short		Estimated method.
excludeabnormalduration	Integer		Exclude abnormal duration.
exitcodenormaloperator	Short		Exit code normal operator.
fullpath	String		Full path (length 4000).
hasparent	String		Job has parent.
historyretention	Short		Retention history.
id	Integer		Id (primary key).
imageid	Integer		
imagelinkid	Integer		
imagelumt	Integer		
imagetype	String		
inheritagent	String		Inherit agent (length 1).
inheritcalendar	String		Inherit calendar (length 1).
inheritoptions	String		Inherit options (length 1).
inheritrepeat	String		Inherit time window (length 1).
inherittimewindow	String		Inherit time window (length 1).
isnotes	Boolean		Is notes.
isrunbook	Boolean		Is run book.
jobclassid	Integer		Job class id.
jobclassimageid	Integer		
jobclassimagelumt	Date		
jobclassimagetype	String		
jobdeplist	String		Job dependency list.
jobdetailid	Integer		Job detail id.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
normalexitfromrange	Short		From range of normal exit.
normalexittorange	Short		To range of normal exit.
notes	String		Notes.
ownerid	Integer		Owner id.
parameters	String		Parameters.
parentactive	String		Job's parent active status if exists.
parentid	Integer		Parent id.
parentname	String		Parent name (length 4000).
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.

Table A-86

Name	Type	Internal Field?	Description
recordname	String		Name of Master model object name
repeat	String		Repeat.
repeatcount	Short		Repeat count.
repeatinterval	Short		Repeat interval of Job.
rerundependency	String		Rerun dependency (length 1).
runbook	String		Run book.
runuserid	Integer		Runuser id.
saveoutputoption	String		Option to save output (length 1).
serviceid	Integer		Service id.
successorsvalue	String		Has successor (length 1).
timewindowfromtime	Date		Time window from time (Date).
timewindowfromtimeasstring	String		Time window from time (String).
timewindowoption	Short		Time window option.
timewindowuntiltime	Date		Time window until time (Date).
timewindowuntiltimeasstring	String		Time window until time (String).
trackingcommand	String		Tracking Command (length 4000).
trackingmethod	Short		Tracking method.
type	Short		Type of Job.
unixprofile	Short		Unix profile.
variables	String		Variables.
waitOperator	String		Wait operator.
workingdirectory	String		Working directory (length 4000).

OVMSJobRun

Table A-87

Name	Type	Internal Field?	Description
actualstarttime	Date	Y	Actual start time (Date).
actualstarttimeasstring	String		Actual start time (String).
adhoc	Short		Agent instance.
agentinstance	Short		Agent instance.
alias	String		Allow rerun (length 1)
allowadhoc	String		Allow unscheduled (length 1).
batch	Short		Batch.
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.

Table A-87

Name	Type	Internal Field?	Description
calcdatetimevarlist	String		Calc date var list (clob 32M).
calendarid	Integer		Calendar id
carryover	Short		Carry over.
childjobloadedflag	Date		Child job loaded flag (length 1).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concur	Short		Concur
currentteststarttime	Date		Current estimated start time.
currentteststarttimeasstring	String		Current estimated start time (String). getCurrentEstimatedStartTimeAsString, setCurrentEstimatedStartTimeAsString and hasValueCurrentEstimatedStartTimeAsString.
dependencylogic	Short		Dependency logic.
dependencies	String		Dependencies.
dependencyrerun	String		Dependency rerun (length 1).
deptextlength	Integer		Dependency text length.
dirty	String		Dirty (length 1).
duration	Integer		Duration.
envfile	String		Environment file (length 4000).
estimatedduration	Integer		Estimated duration.
estimatedstarttime	Date		Estimated start time (Date).
estimatedstarttimeasstring	String		Estimated start time (String).
estmethod	Short		Estimation method.
exitcode	Integer		Exit code.
expire	Date		Expiration date.
expireasstring	String		Expiration date.
externidstring	String		External id (String).
flags1	Integer		Flags1.
fromstep	Short		From step.
fromtime	Date		From time (Date).
fromtimeasstring	String		From time (String).
fullpath	String		Full path (length 4000).
groupinstance	Short		Group instance.
hasdependents	String		Has dependents (length 1).
hasresourceslockedflag	String		Has resources locked flag (length 1).
id	Integer		Id (primary key).
ignoretimedependency	String		Ignore time dependency (length 1).
instance	Integer		Instance.
interval	Short		Interval.

Table A-87

Name	Type	Internal Field?	Description
intervalcount	Short		Interval count.
jobclassid	Integer		Job class id.
jobid	Integer		Job id.
jobparentid	Integer		Job parent id.
jobrunxml	String		Job run xml (clob 32M).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
launchacknowledged	Integer		Launch acknowledged.
launchtime	Date		Launch time (Date).
launchtimeasstring	String		Launch time (String).
maxruntime	Integer		Maximum run time.
metflag	String		Met flag (length 1).
minruntime	Integer		Minimum run time.
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
nodeid	Integer		Node id.
nodelistid	Integer		Node list id.
nontimedependencies	String		Non time dependencies (length 1).
normalexit	Short		Normal exit.
normalop	Short		Normal op.
normalrange	Short		Normal range.
notes	String		Notes.
originalstatus	Short		Original status.
outputlength	Integer		Output length.
outputname	String		Output name (length 4000).
outputtxt	String		Output text (length 1).
owner	Integer		Owner.
params	String		Parameters.
parentid	Integer		Parent id.
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
productiondate	Date		Production date.
productiondateasstring	String		Production date (String). getProductionDateAsString and setProductionDateAsString
proxy2	Integer		Proxy2.
queueid	Integer		Queue id.
queuetime	Date		Queue time.
queuetimeasstring	String		Queue time.
recordname	String		Name of Master model object name

Table A-87

Name	Type	Internal Field?	Description
rerun	String		Rerun (length 1).
reruns	Short		Reruns.
resetsuccessor	String		Reset successor (length 1).
runbook	String		
rundate	Date		Run date.
rundateasstring	String		Run date.
runinfoxml	String		Info xml (clob 32M).
runuserid	Integer		Run user id.
savelogonly	String		Save log only (length 1).
saveoutput	String		Save output (length 1).
serviceid	Integer		Service id.
startrundate	Date		Start Run date for a group.
startrundateasstring	String		Start Run date for a group.
status	Short		Status.
statuschangetime	Date		Status change time.
statuschangetimeasstring	String		Status change time.
successorlist	String		Successor list (clob 32M).
successorsvalue	String		Has successor (length 1).
timebatch	Short		Time batch.
timedifference	Integer		Time difference.
timewindow	Short		Time window.
trackcommand	String		Tracking Command (length 4000).
trackmethod	Short		Tracking method.
transactionid	Integer		Transaction id.
triggeractionrun_transaction	Integer		Trigger action run transaction.
triggeractionrunid	Integer		Trigger action run id.
type	Short		Type of Job.
untiltime	Date		Until time (Date).
untiltimeasstring	String		Until time (String).
variables	String		Variables.
waitop	String		Wait op (length 1).
workingdirectory	String		Working directory (length 4000).
xmldata	String		Xml data.

OVMSNode

Table A-88

Name	Type	Internal Field?	Description
active	String		Active? (Y/N). getActive, setActive and hasValueActive.
activejobs	Short		Number of jobs currently running on agent. getActivejobs, setActivejobs and hasValueActivejobs.
agentload	Integer		Current load of the agent. getAgentLoad, setAgentLoad and hasValueAgentLoad.
agentversion	String		The version of the agent. getAgentversion, setAgentversion and hasValueAgentversion.
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionactive	String		ConnectionActive? (Y/N). getConnectionActive, setConnectionActive and hasValueConnectionActive.
currentoutageend	Date		The DateTime at which the current outage will end, or null if not currently in an outage period. getCurrentoutageend, setCurrentoutageend and hasValueCurrentoutageend.
currentoutageendasstring	String		Current outage end.
description	String		Description (clob 512M)
id	Integer		Id (primary key)
joblimit	Short		Job limit (applies to all except Email, TA and Z/OS).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
machine	Short		Machine name (length 1024)
name	String		Name (length 64). getName, setName and hasValueName.
nextoutagebegin	Date		The DateTime at which the next outage will begin, or null if currently in an outage period or none are defined for the node. getNextoutagebegin, setNextoutagebegin and hasValueNextoutagebegin.
nextoutagebeginasstring	String		Next outage begin.
nodeinfo	String		XML format field to store additional values. getNodeInfo, setNodeInfo and hasValueNodeInfo.
nodeuserid	Integer		Node user. getNodeUserID, setNodeUserID and hasValueNodeUserID.
ostype	Short		Os type. getOstype, setOstype and hasValueOstype.
port	Short		Agent port.
recordname	String		Name of Master model object name.
runuser	Integer		Runtime user.
runuserdomain	String		
runusername	String		
serviceid	Integer		Service id. getServiceID, setServiceID and hasValueServiceID.

Table A-88

Name	Type	Internal Field?	Description
timediff	Integer		Time difference between master and agent. getTimediff, setTimediff and hasValueTimediff.
timezone	String		Time zone of Node. getTimezone, setTimezone and hasValueTimezone.
type	Short		Node type. getType, setType and hasValueType.
varset	String		Variable set for this connection (clob 6M).

OwnerAgent

Table A-89

Name	Type	Internal Field?	Description
agentid	Integer		Agent id
agentname	String		
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
id	Integer		Id (primary key) of OwnerAgent.
lastchangetime	Date	Y	Last change time for this record in the master database.
nodeid	Integer		Node id.
ownerid	Integer		Owner id.
recordname	String		Name of Master model object name

Owners

Table A-90

Name	Type	Internal Field?	Description
id	Integer		Record ID.
name	String		Name
domain	String		Domain name.
type	Integer		User type (User/Workgroup/etc.)
allagents	String		Flag to indicate whether all the agents were chosen.
fullname	String		Full name of owner.

Queue

Table A-91

Name	Type	Internal Field?	Description
active	String		Active? (Y/N). <code>getActive</code> , <code>setActive</code> and <code>hasValueActive</code> .
available	String		Actual start time (String).
bump	String		Bump? (Y/N) getBump setBump hasValueBump
bumpfrequency	Short		Bump frequency getBumpFrequency setBumpFrequency hasValueBumpFrequency
bumppriority	Short		Bump priority getBumpPriority setBumpPriority hasValueBumpFrequency
bumpqueue	Integer		Bump queue getBumpQueue setVBumpQueue hasValueBumpQueue
bumpqueueenamel	String		
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description (length 4000) getDescription setDescription hasValueDescription
fromtime	Date		From time (Date).
fromtimeasstring	String		From time (String).
fullpath	String		Full path (length 4000).
highpriority	String		High priority? (Y/N). <code>getHighPriority</code> , <code>setHighPriority</code> and <code>hasValueHighPriority</code> .
id	Integer		Id (primary key) of Queue. <code>getId</code> and <code>setId</code> .
info	String		Info getInfo setInfo hasValueInfo
inuse	Integer		
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time

Table A-91

Name	Type	Internal Field?	Description
limit	Short		Limit getLimit setLimit hasValueLimit
name	String		Job name (length 256).
nicevalue	Short		Nice value getNiceValue setNiceValue hasValueNiceValue
numrunningjobs	Integer		Number of running jobs getNumRunningJobs setNumRunningJobs hasValueNumRunningJobs
numwaitingjobs	Integer		Number of waiting jobs getNumWaitingJobs setNumWaitingJobs hasValueNumWaitingJobs
parentid	Integer		Parent id.
parent_name	String		
priority	Short		Priority.
recordname	String		Name of Master model object name
untiltime	Date		Until time (Date).
untiltimeasstring	String		Until time (String).

QueuedJobRun

Table A-92

Name	Type	Internal Field?	Description
attributestring	String		Attribute string getAttributeString setAttributeString
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
duration	Integer		Duration getDuration setDuration
externalid	String		External id getExternalIDAsString setExternalIDAsString
id	Integer		Id (primary key) of QueuedJobRun getId setId
isexternaljob	Boolean		Is external job? (True/False) getIsExternalJob setIsExternalJob

Table A-92

Name	Type	Internal Field?	Description
jobname	String		Job name getJobName setJobName
lastchangetime	Date	Y	Last change time for this record in the master database.
nodeid	Integer		Node id getNodeID setNodeID
nodename	String		Node name getNodeName setNodeName
priority	Short		Priority getPriority setPriority
queuetype	String		Queue type getQueueType setQueueType
recordname	String		Name of Master model object name.
serviceid	Integer		Service ID from the jobrun's node. getServiceID and setServiceID
status	Short		Status getStatus setStatus
username	String		User name getUserName setUserName

QueueFilter

Table A-93

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionid	Integer		Connection id. getConnectionId and setConnectionId .
exclude	String		Exclude? (Y/N) getExclude setExclude
id	Integer		Id (primary key)
integer1	Integer		Integer1 getInteger1 setInteger1
integer2	Integer		Integer2 getInteger2 setInteger2

Table A-93

Name	Type	Internal Field?	Description
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
name	String		Name (length 64). getName, setName and hasValueName.
queuefilterinfo	String		Que filter info getQueueFilterInfo setQueueFilterInfo
queueid	Integer		Queue id getQueueId setQueueId
recordname	String		Name of Master model object name.
serviceguid	String		
serviceid	Integer		Service id. getServiceID, setServiceID and hasValueServiceID.
string	String		String (length 4000) getString setString
type	Short		Type getType setType

RemoteMasterNode

Table A-94

Name	Type	Internal Field?	Description
active	String		Active? (Y/N). getActive, setActive and hasValueActive.
activejobs	Short		Number of jobs currently running on agent. getActivejobs, setActivejobs and hasValueActivejobs.
agentload	Integer		Current load of the agent. getAgentLoad, setAgentLoad and hasValueAgentLoad.
agentversion	String		The version of the agent. getAgentversion, setAgentversion and hasValueAgentversion.
backupmaster	String		Backup master (1024 chars). getBackupMaster, setBackupMaster and hasValueBackupMaster.
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
commport	Short		Communication port getCommPort setCommPort hasValueCommPort
connectionactive	String		ConnectionActive? (Y/N). getConnectionActive, setConnectionActive and hasValueConnectionActive.
currentoutageend	Date		The DateTime at which the current outage will end, or null if not currently in an outage period. getCurrentoutageend, setCurrentoutageend and hasValueCurrentoutageend.

Table A-94

Name	Type	Internal Field?	Description
currentoutageendasstring	String		Current outage end.
description	String		Description (clob 512M)
id	Integer		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
machine	Short		Machine name (length 1024)
name	String		Name (length 64). getName, setName and hasValueName.
nextoutagebegin	Date		The DateTime at which the next outage will begin, or null if currently in an outage period or none are defined for the node. getNextoutagebegin, setNextoutagebegin and hasValueNextoutagebegin.
nextoutagebeginasstring	String		Next outage begin.
nodeuserid	Integer		Node user. getNodeUserID, setNodeUserID and hasValueNodeUserID.
ostype	Short		Os type. getOstype, setOstype and hasValueOstype.
primarymaster	Short		Primary master (1024 chars). getPrimaryMaster, setPrimaryMaster and hasValuePrimaryMaster.
recordname	String		Name of Master model object name.
runusername	String		
serviceid	Integer		Service id. getServiceID, setServiceID and hasValueServiceID.
timediff	Integer		Time difference between master and agent. getTimediff, setTimediff and hasValueTimediff.
timezone	String		Time zone of Node. getTimezone, setTimezone and hasValueTimezone.
type	Short		Node type. getType, setType and hasValueType.
varset	String		Variable set for this connection (clob 6M).

Resource

Table A-95

Name	Type	Internal Field?	Description
active	String		Active? (Y/N) getActive setActive
description	String		Description (length 4000) getDescription setDescription
id	int		Id (primary key) of Resource getId setId

Table A-95

Name	Type	Internal Field?	Description
inuse	Integer		In use getInuse setInuse
limit	Integer		Limit getLimit setLimit
lastusermodifiedtime	Date	Y	Last user modified time getLastUserModifiedTime setLastUserModifiedTime
locked	Integer		Locked getLocked setLocked
name	String		Name getName setName hasValueName
offline	Integer		Offline getOffline setOffline
ownerid	Integer		Owner getOwner setOwner
publicflag	String		Public flag? (Y/N) getActive setActive

ResourceJobJoin

Table A-96

Name	Type	Internal Field?	Description
applytoallnodes	String		
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
comparevalue	String		Value to compare (length 4000).
datatype	Integer		
id	Integer		Id (primary key) of ResourceJobJoin. getId and setId.
jobid	Integer		Job id. getJobId and setJobId.
lastchangetime	Date	Y	Last change time for this record in the master database.
maximum	Integer		
operator	Short		Operator used to compare resource value.
recordname	String		Name of Master model object name.
relevantagentids	String		
relevantagentlistids	String		

Table A-96

Name	Type	Internal Field?	Description
resourceid	Integer		Resource id. getResourceId and setResourceId.
resourcename	String		
resourcetype	Integer		
samenameresources	String		
used	Integer		Used. getUsed and setUsed.

ResourceJobJoin2

Table A-97

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
comparevalue	String		Value to compare (length 4000).
id	Integer		Id (primary key) of ResourceJobJoin. getId and setId.
jobid	Integer		Job id. getJobId and setJobId.
jobname	String		Job name.
jobparentname	String		Job parent name.
lastchangetime	Date	Y	Last change time for this record in the master database.
operator	Short		Operator used to compare resource value.
recordname	String		Name of Master model object name.
resourceid	Integer		Resource id. getResourceId and setResourceId.
resourcename	String		
used	Integer		Used. getUsed and setUsed.

ResourceJobLocks

Table A-98

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
comparevalue	String		Value to compare (length 4000).
id	Integer		Id (primary key) of ResourceJobJoin. getId and setId.
jobid	Integer		Job id. getJobId and setJobId.
lastchangetime	Date	Y	Last change time for this record in the master database.
operator	Short		Operator used to compare resource value.
recordname	String		Name of Master model object name.

Table A-98

Name	Type	Internal Field?	Description
resourceid	Integer		Resource id. getResourceId and setResourceId.
resourceName	String		
used	Integer		Used. getUsed and setUsed.

ResourceLock

Table A-99

Name	Type	Internal Field?	Description
cachelastrchangeTime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastrchangeTime	Date	Y	Last time this record was updated in the plugin cache.
id	Integer		Id (primary key) of ResourceJobJoin. getId and setId.
jobrunid	Integer		Job run id. getJobRunId and setJobRunId.
lastrchangeTime	Date	Y	Last change time for this record in the master database.
numlocked	Integer		Num locked. getNumLocked and setNumLocked.
recordName	String		Name of Master model object name.
resourceid	Integer		Resource id. getResourceId and setResourceId.

ResourceNodeJoin

Table A-100

Name	Type	Internal Field?	Description
cachelastrchangeTime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastrchangeTime	Date	Y	Last time this record was updated in the plugin cache.
id	Integer		Id (primary key) of ResourceNodeJoin. getId setId
lastrchangeTime	Date	Y	Last change time for this record in the master database.
nodeid	Integer		Node id getNodeID setNodeID
odelistid	Integer		NodeList id. getNodeListId and setNodeListId.
odelistName	String		
nodeName	String		Node name getNodeName setNodeName
recordName	String		Name of Master model object name.
resouceType	Integer		
resourceid	Integer		
resourceName	String		

Schedules

Table A-101

Name	Type	Internal Field?	Description
adhocgroups	Integer		Ad hoc groups. getAdHocGroups and setAdHocGroups.
adhocjobs2	Integer		Ad hoc jobs2. getAdHocJobs2 and setAdHocJobs2.
batchcount	Integer		Batch count. getBatchCount and setBatchCount.
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
carryover2	Integer		Carry over2. getCarryOver2 and setCarryOver2.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
compilefinished	Short		Compile finished. getCompileFinished and setCompileFinished.
compiletime	Short		Compile time. getCompileTime and setCompileTime.
id	Integer		Id (primary key) of ResourceNodeJoin. getId setId
issecondarycachesynccompleted	String		Is secondary cache sync completed. getIsSecondaryCacheSyncCompleted and setIsSecondaryCacheSyncCompleted.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastcompiletime	Date	Y	Last compile time. getLastCompileTime and setLastCompileTime.
lastcompiletimeasstring	String		Last compile time (String). getLastCompileTimeAsString and setLastCompileTimeAsString.
lastusermodifiedtime	Date	Y	Last user modified time. getLastUserModifiedTime and setLastUserModifiedTime.
nextbatch	Integer		Next batch. getNextBatch and setNextBatch.
productiondate	Date		Production date (Date). getProductionDate and setProductionDate.
productiondateasstring	String		Production date (String). getProductionDateAsString and setProductionDateAsString.
recordname	String		Name of Master model object name.
reruns2	Integer		Re runs2. getReRuns2 and setReRuns2.
scheduledgroups	Integer		Scheduled groups. getScheduledGroups and setScheduledGroups.
scheduledjobs2	Integer		Scheduled jobs2. getScheduledJobs2 and setScheduledJobs2.

SecurityPolicy

Table A-102

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
cat28	Integer		Category:Cat28 getCat28 setCat28
catactions	Integer		Category:Actions getCatActions setCatActions
catagentlists	Integer		Category:AgentLists getCatAgentLists setCatAgentLists
catalerts	Integer		Category:Alertss getCatAlerts setCatAlerts
catbusinessunit	Integer		Category: BusinessUnit for Job Timezones. getCatBusinessUnit and setCatBusinessUnit.
catcalendars	Integer		Category:Calendars getCatCalendars setCatCalendars
catclasses	Integer		Category:Classes getCatClasses setCatClasses
catconfig	Integer		Category:Configuration getCatConfig setCatConfig
catconsole	Integer		Category:Console getCatConsole setCatConsole
catcustomresources	Integer		Category: Custom Resource. getCatCustomResources and setCatCustomResources.
catfaultmonitor	Integer		Category:Fault monitor getCatFaultMonitor setCatFaultMonitor
catfileevents	Integer		Category:File Events getCatFileEvents setCatFileEvents
catgeneral	Integer		Category:General getCatGeneral setCatGeneral
catjobcontrol	Integer		Category:Job control getCatJobControl setCatJobControl
catjobevents	Integer		Category:Job events getCatJobEvents setCatJobEvents

Table A-102

Name	Type	Internal Field?	Description
catjobs	Integer		Category:Jobs getCatJobs setCatJobs
catlicenses	Integer		Category:Licenses getCatLicenses setCatLicenses
catqueues	Integer		Category:Queues getCatQueues setCatQueues
catresources	Integer		Category:Resources getCatResources setCatResources
catschedule	Integer		Category:Schedule getCatSchedule setCatSchedule
catsecurity	Integer		Category:Security getCatSecurity setCatSecurity
catsysevents	Integer		Category:System Events getCatSysEvents setCatSysEvents
catusers	Integer		Category:Users getCatUsers setCatUsers
catvarevents	Integer		Category:Events getCatEvents setCatEvents
catvariables	Integer		Category:Variables getCatVariables setCatVariables
catworkgroups	Integer		Category:Workgroups getCatWorkGroups setCatWorkGroups
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description. getDescription and setDescription .
id	Integer		Id (primary key) of ResourceNodeJoin. getId setId
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. getLastUserModifiedTime and setLastUserModifiedTime .
name	String		Name (length 64). getName , setName and hasValueName .
recordname	String		Name of Master model object name.

SecurityServiceJoin

Table A-103

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
category	Integer		Category getCategory setCategory
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
custombits	Integer		CustomBits getCustomBits setCustomBits
id	Integer		Id (primary key) of ResourceNodeJoin. getId setId
lastchangetime	Date	Y	Last change time for this record in the master database.
recordname	String		Name of Master model object name.
securityid	Integer		Security id getSecurityId setSecurityId
serviceid	Integer		Service id getServiceID setServiceID
servicename	String		

Service

Table A-104

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
config	String		Configuraiton getConfig setConfig
defaultconnectionid	Integer		Default connection id getDefaultConnectionID setDefaultConnectionID
fullname	String		Full name getFullName setFullName
guid	String		GUID getGUID setGUID

Table A-104

Name	Type	Internal Field?	Description
id	Integer		Id (primary key) of ResourceNodeJoin. getId setId
lastchangetime	Date	Y	Last change time for this record in the master database.
name	String		Name (length 20) getName setName
prepjobonwaitop	String		Prep job on wait op getPropJobOnWaitOp setPrepJobOnWaitOp
recordname	String		Name of Master model object name.
type	String		Type getType setType
version	String		Version getVersion setVersion

ServiceAction

Table A-105

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionid	Integer		Connection id. getConnectionID and setConnectionID .
description	String		Description (length 4000).
id	Integer		Id (primary key) of ResourceNodeJoin. getId setId
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. getLastUserModifiedTime and setLastUserModifiedTime .
name	String		Object name (length 64).
ownerid	Integer		Owner id (either user or workgroup).
publicflag			Public flag? (Y/N).
recordname	String		Name of Master model object name.
serviceid	Integer		Service id getServiceID setServiceID
serviceinfo	String		Service info. getServiceInfo and setServiceInfo .

ServiceAgentList

Table A-106

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
childagentcount			Count for child Agent
childagentlistcount			Count for child AgentList
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description (length 4000) getDescription setDescription hasValueDescription
fullpath	String		Full path (length 4000).
hasparent	String		Job has parent.
id	Integer		Id (primary key) of Queue. getId and setId.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
listtype	Short		List type (short).
name	String		Job name (length 256).
ostype	Short		Operating system type (short).
parentid	Integer		Parent id.
parentname	String		
recordname	String		Name of Master model object name
serviceid	Integer		Service id. getServiceID, setServiceID and hasValueServiceID.

ServiceDist

Table A-107

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
id	Integer		Id (primary key) of Queue. getId and setId.
recordname	String		Name of Master model object name
serviceid	Integer		Service id. getServiceID, setServiceID and hasValueServiceID.
servicepkg			Service package. getServicepkg and setServicepkg.

ServiceJob

Table A-108

Name	Type	Internal Field?	Description
active	String		Active (length 1)
agentid	Integer		Agent id
agentlistid	Integer		Agent list id
alias	String		Alias (length 16).
allowrerun	String		Allow rerun (length 1)
allowunscheduled	String		Allow unscheduled (length 1).
alternateoutputfile	String		Alternate output file (length 4000)
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calendarfromdate	Date		Calendar from date (Date).
calendarfromdateasstring	Date		Calendar from date (String).
calendarid	Integer		Calendar id
calendaroffset	Short		Calendar offset.
calendaruntildate	Date		Calendar until date (Date).
calendaruntildateasstring	String		Calendar until date (String).
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concurrency	Short		Concurrency.
connectionactive	String		
createtime	Date		Create time.
dependencylogic	Short		Dependency logic.
dirty	String		Dirty (length 1).
disablecarryover	Short		Disable carryover.
durationestimated	Integer		Estimated duration.
durationmaximum	Integer		Maximum duration.
durationminimum	Integer		Minimum duration.
environmentfile	String		Environment file (length 4000).
estimatedmethod	Short		Estimated method.
excludeabnormalduration	Integer		Exclude abnormal duration.
exitcodenormaloperator	Short		Exit code normal operator.
extendedinfo	String		Extended info getExtendedInfo setExtendedInfo
fullpath	String		Full path (length 4000).
hasparent	String		Job has parent.

Table A-108

Name	Type	Internal Field?	Description
historyretention	Short		Retention history.
id	Integer		Id (primary key).
imageid	Integer		
imagelinkid	Integer		
imagelumt	Integer		
imagetype	String		
inheritagent	String		Inherit agent (length 1).
inheritcalendar	String		Inherit calendar (length 1).
inheritoptions	String		Inherit options (length 1).
inheritrepeat	String		Inherit time window (length 1).
inherittimewindow	String		Inherit time window (length 1).
isnotes	Boolean		Is notes.
isrunbook	Boolean		Is run book.
jobclassid	Integer		Job class id.
jobclassimageid	Integer		
jobclassimagelumt	Date		
jobclassimagetype	String		
jobdeplist	String		Job dependency list.
jobdetailid	Integer		Job detail id.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
normalexitfromrange	Short		From range of normal exit.
normalexittorange	Short		To range of normal exit.
notes	String		Notes.
ownerid	Integer		Owner id.
parameters	String		Parameters.
parentactive	String		Job's parent active status if exists.
parentid	Integer		Parent id.
parentname	String		Parent name (length 4000).
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
recordname	String		Name of Master model object name
repeat	String		Repeat.
repeatcount	Short		Repeat count.
repeatinterval	Short		Repeat interval of Job.
rerundependency	String		Rerun dependency (length 1).
runbook	String		Run book.

Table A-108

Name	Type	Internal Field?	Description
runuserid	Integer		Runuser id.
saveoutputoption	String		Option to save output (length 1).
serviceid	Integer		Service id.
successorsvalue	String		Has successor (length 1).
summaryonly	String		Summary only getSummaryOnlyAsString setSummaryOnlyAsString
timewindowfromtime	Date		Time window from time (Date).
timewindowfromtimeasstring	String		Time window from time (String).
timewindowoption	Short		Time window option.
timewindowuntiltime	Date		Time window until time (Date).
timewindowuntiltimeasstring	String		Time window until time (String).
trackingcommand	String		Tracking Command (length 4000).
trackingmethod	Short		Tracking method.
type	Short		Type of Job.
unixprofile	Short		Unix profile.
variables	String		Variables.
waitOperator	String		Wait operator.
workingdirectory	String		Working directory (length 4000).

ServiceJobRun

Table A-109

Name	Type	Internal Field?	Description
actualstarttime	Date	Y	Actual start time (Date).
actualstarttimeasstring	String		Actual start time (String).
adhoc	Short		Agent instance.
agentinstance	Short		Agent instance.
alias	String		Allow rerun (length 1)
allowadhoc	String		Allow unscheduled (length 1).
batch	Short		Batch.
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calcdatetimevarlist	String		Calc date var list (clob 32M).
calendarid	Integer		Calendar id
carryover	Short		Carry over.
childjobloadedflag	Date		Child job loaded flag (length 1).
childrencount	Integer		

Table A-109

Name	Type	Internal Field?	Description
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
command	String		Command (length 4000).
concur	Short		Concur
currentteststarttime	Date		Current estimated start time.
currentteststarttimeasstring	String		Current estimated start time (String). getCurrentEstimatedStartTimeAsString, setCurrentEstimatedStartTimeAsString and hasValueCurrentEstimatedStartTimeAsString.
dependencylogic	Short		Dependency logic.
dependencies	String		Dependencies.
dependencyrerun	String		Dependency rerun (length 1).
deptextlength	Integer		Dependency text length.
dirty	String		Dirty (length 1).
duration	Integer		Duration.
envfile	String		Environment file (length 4000).
estimatedduration	Integer		Estimated duration.
estimatedstarttime	Date		Estimated start time (Date).
estimatedstarttimeasstring	String		Estimated start time (String).
estmethod	Short		Estimation method.
exitcode	Integer		Exit code.
expire	Date		Expiration date.
expireasstring	String		Expiration date.
externidstring	String		External id (String).
flags1	Integer		Flags1.
fromstep	Short		From step.
fromtime	Date		From time (Date).
fromtimeasstring	String		From time (String).
fullpath	String		Full path (length 4000).
groupinstance	Short		Group instance.
hasdependents	String		Has dependents (length 1).
hasresourceslockedflag	String		Has resources locked flag (length 1).
id	Integer		Id (primary key).
ignoretimedependency	String		Ignore time dependency (length 1).
instance	Integer		Instance.
interval	Short		Interval.
intervalcount	Short		Interval count.
jobclassid	Integer		Job class id.
jobid	Integer		Job id.
jobparentid	Integer		Job parent id.
jobrunxml	String		Job run xml (clob 32M).

Table A-109

Name	Type	Internal Field?	Description
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
launchacknowledged	Integer		Launch acknowledged.
launchtime	Date		Launch time (Date).
launchtimeasstring	String		Launch time (String).
maxruntime	Integer		Maximum run time.
metflag	String		Met flag (length 1).
minruntime	Integer		Minimum run time.
name	String		Job name (length 256).
nearoutage	Short		Near Outage.
nodeid	Integer		Node id.
nodelistid	Integer		Node list id.
nontimedependencies	String		Non time dependencies (length 1).
normalexit	Short		Normal exit.
normalop	Short		Normal op.
normalrange	Short		Normal range.
notes	String		Notes.
originalstatus	Short		Original status.
outputlength	Integer		Output length.
outputname	String		Output name (length 4000).
outputtxt	String		Output text (length 1).
owner	Integer		Owner.
params	String		Parameters.
parentid	Integer		Parent id.
predecessorsvalue	String		Has predecessor (length 1).
priority	Short		Priority.
productiondate	Date		Production date.
productiondateasstring	String		Production date (String). getProductionDateAsString and setProductionDateAsString
proxy2	Integer		Proxy2.
queueid	Integer		Queue id.
queuetime	Date		Queue time.
queuetimeasstring	String		Queue time.
recordname	String		Name of Master model object name
rerun	String		Rerun (length 1).
reruns	Short		Reruns.
resetsuccessor	String		Reset successor (length 1).
runbook	String		
rundate	Date		Run date.

Table A-109

Name	Type	Internal Field?	Description
rundateasstring	String		Run date.
runinfoxml	String		Info xml (clob 32M).
runuserid	Integer		Run user id.
savelogonly	String		Save log only (length 1).
saveoutput	String		Save output (length 1).
serviceid	Integer		Service id.
startrundate	Date		Start Run date for a group.
startrundateasstring	String		Start Run date for a group.
status	Short		Status.
statuschangetime	Date	Y	Status change time.
statuschangetimeasstring	String		Status change time.
successorlist	String		Successor list (clob 32M).
successorsvalue	String		Has successor (length 1).
timebatch	Short		Time batch.
timedifference	Integer		Time difference.
timewindow	Short		Time window.
trackcommand	String		Tracking Command (length 4000).
trackmethod	Short		Tracking method.
transactionid	Integer		Transaction id.
triggeractionrun_transaction	Integer		Trigger action run transaction.
triggeractionrunid	Integer		Trigger action run id.
type	Short		Type of Job.
untiltime	Date		Until time (Date).
untiltimeasstring	String		Until time (String).
variables	String		Variables.
waitop	String		Wait op (length 1).
workingdirectory	String		Working directory (length 4000).
xmldata	String		Xml data.

ServiceNode

Table A-110

Name	Type	Internal Field?	Description
active	String		Active? (Y/N). getActive, setActive and hasValueActive.
activejobs	Short		Number of jobs currently running on agent. getActivejobs, setActivejobs and hasValueActivejobs.
agentload	Integer		Current load of the agent. getAgentLoad, setAgentLoad and hasValueAgentLoad.
agentversion	String		The version of the agent. getAgentversion, setAgentversion and hasValueAgentversion.

Table A-110

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionactive	String		ConnectionActive? (Y/N). getConnectionActive, setConnectionActive and hasValueConnectionActive.
currentoutageend	Date		The DateTime at which the current outage will end, or null if not currently in an outage period. getCurrentoutageend, setCurrentoutageend and hasValueCurrentoutageend.
currentoutageendasstring	String		Current outage end.
description	String		Description (clob 512M)
id	Integer		Id (primary key)
joblimit	Short		Job limit (applies to all except Email, TA and z/OS getJobLimit setJobLimit
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
machine	String		Machine name (length 1024) getMachine setMachine hasValueMachine
name	String		Name (length 64). getName, setName and hasValueName.
nextoutagebegin	Date		The DateTime at which the next outage will begin, or null if currently in an outage period or none are defined for the node. getNextoutagebegin, setNextoutagebegin and hasValueNextoutagebegin.
nextoutagebeginasstring	String		Next outage begin.
nodeuserid	Integer		Node user. getNodeUserID, setNodeUserID and hasValueNodeUserID.
ostype	Short		Os type. getOstype, setOstype and hasValueOstype.
recordname	String		Name of Master model object name.
runuser	Integer		Runtime user getRunUser setRunUser hasValueRunUser
runuserdomain	String		
runusername	String		
serviceguid	String		
serviceid	Integer		Service id. getServiceID, setServiceID and hasValueServiceID.
servicename	String		
servicexml	String		XML field describing the service getServiceXml setServiceXml

Table A-110

Name	Type	Internal Field?	Description
timediff	Integer		Time difference between master and agent. getTimediff, setTimediff and hasValueTimediff.
timezone	String		Time zone of Node. getTimezone, setTimezone and hasValueTimezone.
type	Short		Node type. getType, setType and hasValueType.
varset	String		Variable set for this connection (clob 6M).

SNMPAction

Table A-111

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
community	String		Community. getCommunity and setCommunity.
description	String		Description (length 4000).
id	Integer		Id (primary key)
itotype	Short		ITO type. ITO type. getITOType and setITOType.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
message	String		Message. getMessage and setMessage.
name	String		Name (length 64)
ownerid	Integer		Owner id (either user or workgroup).
publicflag	String		Public flag? (Y/N)
recordname	String		Name of Master model object name.
severity	Short		Severity. getSeverityAsShort and setSeverityAsShort.

Statistics

Table A-112

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
id	Integer		Id (primary key)
jobstogo	Integer		Jobs to go
jobstotal	Integer		Jobs total
jobswait	Integer		Jobs waiting
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time

Table A-112

Name	Type	Internal Field?	Description
numadhocjobs	Integer		Number of adhoc jobs
numcarryoverjobs	Integer		Number of carry over jobs
numcarryovertocojobs	Integer		Number of carry over to go jobs
numjobscancelled	Integer		Number of jobs cancelled
numjobsdone	Integer		Number of jobs done
numrerunjobs	Integer		Number of rerun jobs
numscheduledjobs	Integer		Number of scheduled jobs
recordname	String		Name of Master model object name.

StatisticsTotal

Table A-113

Name	Type	Internal Field?	Description
id	Integer		Id (primary key)
jobsoverall	Integer		
jobsrunning	Integer		
jobsrunningrate	Integer		
jobstogo	Integer		Jobs to go
jobstotal	Integer		Jobs total
jobswait	Integer		Jobs waiting
lastpolltime	Date	Y	
lastpolltimeasstring	String		
mastertzoffset	Long		
masterversion	String		
numadhocjobs	Integer		Number of adhoc jobs
numcarryoverjobs	Integer		Number of carry over jobs
numcarryovertocojobs	Integer		Number of carry over to go jobs
numjobscancelled	Integer		Number of jobs cancelled
numjobsdone	Integer		Number of jobs done
numrerunjobs	Integer		Number of rerun jobs
numscheduledjobs	Integer		Number of scheduled jobs
productiondate	Date		
productiondateasstring	String		
starttime	Date		
starttimeasstring	String		
recordname	String		Name of Master model object name.

SystemActivityMessage

Table A-114

Name	Type	Internal Field?	Description
id	Integer		Id (primary key)
lastchangetime	Date	Y	Last change time for this record in the master database.
message	String		System activity message
polltimestamp	Date	Y	Polling time stamp
timestamp	Date		Time stamp

SystemResource

Table A-115

Name	Type	Internal Field?	Description
active	String		Active? (Y/N). getActive and setActive.
applytoallnodes	String		Apply to all nodes? (Y/N).
businessunitid	Integer		BusinessUnit id
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
collectionmethod	Short		Method used to set resource value after executing the command.
command	String		Command (length 4000).
datatype	Short		Data type.
description	String		Description (length 4000). getDescription and setDescription.
id	Integer		Id (primary key).
interval	Short		Interval.
inuse	Integer		In use. getInuse and setInuse.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
limit	Integer		Limit. getLimit and setLimit.
locked	Integer		Locked. getLocked and setLocked.
name	String		Name. getName, setName and hasValueName.
nodeostype	Short		Node OS type.
nodetype	Short		Node type.
odelistid	Integer		Node list id.
roffline	Integer		Offline. getOffline and setOffline.
ownerid	Integer		Owner. getOwner and setOwner.
params	String		Parameters.
recordname	String		Name of Master model object name
relevantagentids	String		

Table A-115

Name	Type	Internal Field?	Description
relevantagentlistids	String		
resourcetype	Short		Resource Type.
samenameresources	String		

SystemValue

Table A-116

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
id	Integer		Id (primary key).
intvalue	Integer		Integer value
lastchangetime	Date	Y	Last change time for this record in the master database.
recordname	String		Name of Master model object name
strvalue	String		String value
timevalue	Date		Time value

UnixAgentList

Table A-117

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
childagentcount	Integer		Count for child Agent.
childagentlistcount	Integer		Count for child AgentList
childrencount	Integer		
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description (length 4000).
fullpath	String		Full path (length 4000).
hasparent	String		Job has parent.
id	Integer		Id (primary key).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
listtype	Short		List type (short).
name	String		Job name (length 256).
ostype	Short		Operating system type (short).

Table A-117

Name	Type	Internal Field?	Description
parentid	Integer		Parent id.
parentname	String		
recordname	String		Name of Master model object name

UnixNode

Table A-118

Name	Type	Internal Field?	Description
active	String		Active? (Y/N). <code>getActive</code> , <code>setActive</code> and <code>hasValueActive</code> .
activejobs	Short		Number of jobs currently running on agent. <code>getActivejobs</code> , <code>setActivejobs</code> and <code>hasValueActivejobs</code> .
agentload	Integer		Current load of the agent. <code>getAgentLoad</code> , <code>setAgentLoad</code> and <code>hasValueAgentLoad</code> .
agentversion	String		The version of the agent. <code>getAgentversion</code> , <code>setAgentversion</code> and <code>hasValueAgentversion</code> .
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionactive	String		ConnectionActive? (Y/N). <code>getConnectionActive</code> , <code>setConnectionActive</code> and <code>hasValueConnectionActive</code> .
currentoutageend	Date		The <code>Date</code> Time at which the current outage will end, or null if not currently in an outage period. <code>getCurrentoutageend</code> , <code>setCurrentoutageend</code> and <code>hasValueCurrentoutageend</code> .
currentoutageendasstring	String		Current outage end.
description	String		Description (clob 512M)
id	Integer		Id (primary key)
joblimit	Short		Job limit (applies to all except Email, TA and z/OS) <code>getJobLimit</code> <code>setJobLimit</code>
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
machine	String		Machine name (length 1024) <code>getMachine</code> <code>setMachine</code> <code>hasValueMachine</code>
name	String		Name (length 64). <code>getName</code> , <code>setName</code> and <code>hasValueName</code> .
nextoutagebegin	Date		The <code>Date</code> Time at which the next outage will begin, or null if currently in an outage period or none are defined for the node. <code>getNextoutagebegin</code> , <code>setNextoutagebegin</code> and <code>hasValueNextoutagebegin</code> .
nextoutagebeginasstring	String		Next outage begin.
nodeinfo	String		XML format field to store additional values. <code>getNodeInfo</code> , <code>setNodeInfo</code> and <code>hasValueNodeInfo</code> .

Table A-118

Name	Type	Internal Field?	Description
nodeuserid	Integer		Node user. getNodeUserID, setNodeUserID and hasValueNodeUserID.
ostype	Short		Os type. getOstype, setOstype and hasValueOstype.
port	Short		Agent port.
recordname	String		Name of Master model object name.
runuser	Integer		Runtime user getRunUser setRunUser hasValueRunUser
runuserdomain	String		
runusername	String		
serviceid	Integer		Service id. getServiceID, setServiceID and hasValueServiceID.
timediff	Integer		Time difference between master and agent. getTimediff, setTimediff and hasValueTimediff.
timezone	String		Time zone of Node. getTimezone, setTimezone and hasValueTimezone.
type	Short		Node type. getType, setType and hasValueType.
varset	String		Variable set for this connection (clob 6M).

UserJoin

Table A-119

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
domain	String		
equivalentuserid	Integer		Equivalent user id
id	Integer		Id (primary key).
isgroup	String		Integer value
lastchangetime	Date	Y	Last change time for this record in the master database.
nodeid	Integer		Node id
recordname	String		Name of Master model object name
userid	Integer		User id
usertableid	Integer		
usertablename	String		

UserMessage

Table A-120

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
fromsidstring	String		
fromuserdomain	String		
fromusername	String		
fromusersession	Integer		Message sender's session id
id	Integer		Id (primary key).
lastchangetime	Date	Y	Last change time for this record in the master database.
message	String		Message text
msgtimestamp	Date		Message time stamp
readbyuser	String		Flag if the message has been read by the user (Y or N)
recordname	String		Name of Master model object name
timestamp	String		Time stamp
touserid	String		
tousersession	Integer		Message receiver's session id
type	Short		Message type

UserSecurityPolicySet

Table A-121

Name	Type	Internal Field?	Description
actions_security	String		
agentlists_security	String		
alerts_security	String		
calendars_security	String		
cat28_security	String		
catbusinessunit_security	String		
catcustomresources_security	String		
configuration_security	String		
connection_security	String		
faultmonitor_security	String		
fileevents_security	String		
general_security	String		
jobclass_security	String		
jobconsole_security	String		
jobcontrol_security	String		

Table A-121

Name	Type	Internal Field?	Description
jobevents_security	String		
jobs_security	String		
queues_security	String		
resources_security	String		
schedule_security	String		
securitypolicy_security	String		
systemevents_security	String		
users_security	String		
variableevents_security	String		
variables_security	String		
workgroups_security	String		

UserSecurityServiceSet

Table A-122

Name	Type	Internal Field?	Description
security_category	String		
security_custom_category	String		
serviceguid	String		
serviceid	Integer		

Users

Table A-123

Name	Type	Internal Field?	Description
allagents	String		All agents? (length 1)
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description (length 4000)
domain	String		
emailaddress	String		Email address (length 1024)
emailtype	Short		Email type
externid	String		External id (length 20)
fullname	String		Full name (length 1024)
id	Integer		Id (primary key).
kerberoskeytab	String		Kerberos Keytab
kerberosprincipal	String		Kerberos Principal

Table A-123

Name	Type	Internal Field?	Description
languageid	Integer		Language id.
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
name	String		Name (length 256)
oracleappspassword	String		Oracle Applications password (length 144)
pagenumber	String		Pager number (length 40)
password	String		Password (length 1024)
phonenummer	String		Phone number (length 40)
profile	String		Profile (clob 6M)
recordname	String		Name of Master model object name
seciritypolicyid	Integer		Security policy id
seciritypolicyname	String		
superuser	String		Super user (length 1)
tempaccount	String		Temporary account (length 1)
wingroup	String		Windows group (length 1)

UserService

Table A-124

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
domain	String		
guid	String		
id	Integer		Id (primary key).
lastchangetime	Date	Y	Last change time for this record in the master database.
name	String		Message text
password	String		Password (length 144).
recordname	String		Name of Master model object name
serviceid	Integer		Service id (length 20).
servicename	String		
userid	Integer		User id.

UserSession

Table A-125

Name	Type	Internal Field?	Description
authldapserverinfo	String		Authenticated LDAP Server Information (length 1024).
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
clientmanagerid	String		Client manager id (length 128)
clienttype	Integer		Client type
computer	String		Computer (length 256)
domain	String		
endtime	Date		End time.
id	Integer		Id (primary key).
impersonateuserid	Integer		Client type
lastaccesstime	Date	Y	Last access time.
lastchangetime	Date	Y	Last change time for this record in the master database.
portaluserid	Integer		Portal user id.
recordname	String		Name of Master model object name
sessionidstring	String		Session id string
starttime	Date		Start time
userid	Integer		User id
userldapgroup	String		Computer (length 2000).
username	String		

Variable

Table A-126

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
calc	String		Calc (length 1)
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description (length 4000)
id	Integer		Id (primary key).
innervalue	String		Inner value (length 4000)
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
lastvalue	String		Last value (length 4000)
name	String		Name (length 64)

Table A-126

Name	Type	Internal Field?	Description
ownerid	Integer		Owner id
ownername	String		Owner name of the record.
productiondate	Date		Master production date.
pub	String		Pub (length 1)
publish	String		Publish (length 1)
readonly	String		Read only. (length 1)
recordname	String		Name of Master model object name
startcalendar	Integer		Start calendar
startdate	Date		Start date (Date)
startdateasstring	String		Start date (String)
starttype	String		Start type (length 20)
type	Short		Type
voffsets	String		Offsets

VariableAction

Table A-127

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description (length 4000)
id	Integer		Id (primary key).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
masterid	Integer		The Master Node ID in which the variable lives (either local master or remote master).
name	String		Name (length 64)
ownerid	Integer		Owner id
publicflag	String		Public flag? (Y/N).
recordname	String		Name of Master model object name
timing type	Short		Timing type
updatetype	Short		Update action type
varid	Integer		Variable to update
value	String		Value (length 4000) to set the variable to

VariableDependency

Table A-128

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionid	Integer		Connection id
connectionname			
logic	Short		Dependency logic
id	Integer		Id (primary key).
jobid	Integer		Job id
jobname	String		Agent Name associated with the record.
jobserviceid	Integer		
lastchangetime	Date	Y	Last change time for this record in the master database.
operator	Short		Operator
recordname	String		Name of Master model object name
status	Short		Status
variableid	String		Variable id
variablename	String		Name of the variable.
varownerid	Integer		
varownername	String		
varvalue	String		Variable value (length 4000)

VirtualResource

Table A-129

Name	Type	Internal Field?	Description

WindowsAgentList

Table A-130

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
childagentcount	Integer		Count for child Agent.
childagentlistcount	Integer		Count for child AgentList
childrencount	Integer		

Table A-130

Name	Type	Internal Field?	Description
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description (length 4000).
fullpath	String		Full path (length 4000).
hasparent	String		Job has parent.
id	Integer		Id (primary key).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
listtype	Short		List type (short).
name	String		Job name (length 256).
ostype	Short		Operating system type (short).
parentid	Integer		Parent id.
parentname	String		Parent name.
recordname	String		Name of Master model object name

WindowsNode

Table A-131

Name	Type	Internal Field?	Description
active	String		Active? (Y/N). <code>getActive</code> , <code>setActive</code> and <code>hasValueActive</code> .
activejobs	Short		Number of jobs currently running on agent. <code>getActivejobs</code> , <code>setActivejobs</code> and <code>hasValueActivejobs</code> .
agentload	Integer		Current load of the agent. <code>getAgentLoad</code> , <code>setAgentLoad</code> and <code>hasValueAgentLoad</code> .
agentversion	String		The version of the agent. <code>getAgentversion</code> , <code>setAgentversion</code> and <code>hasValueAgentversion</code> .
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionactive	String		ConnectionActive? (Y/N). <code>getConnectionActive</code> , <code>setConnectionActive</code> and <code>hasValueConnectionActive</code> .
currentoutageend	Date		The <code>DateTime</code> at which the current outage will end, or null if not currently in an outage period. <code>getCurrentoutageend</code> , <code>setCurrentoutageend</code> and <code>hasValueCurrentoutageend</code> .
currentoutageendasstring	String		Current outage end.
description	String		Description (clob 512M)
id	Integer		Id (primary key)
joblimit	Short		Job limit (applies to all except Email, TA and z/OS) getJobLimit setJobLimit
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)

Table A-131

Name	Type	Internal Field?	Description
machine	String		Machine name (length 1024) getMachine setMachine hasValueMachine
name	String		Name (length 64). getName , setName and hasValueName .
nextoutagebegin	Date		The DateTime at which the next outage will begin, or null if currently in an outage period or none are defined for the node. getNextoutagebegin , setNextoutagebegin and hasValueNextoutagebegin .
nextoutagebeginasstring	String		Next outage begin.
nodeinfo	String		XML format field to store additional values. getNodeInfo , setNodeInfo and hasValueNodeInfo .
nodeuserid	Integer		Node user. getNodeUserID , setNodeUserID and hasValueNodeUserID .
ostype	Short		Os type. getOstype , setOstype and hasValueOstype .
port	Short		Agent port.
recordname	String		Name of Master model object name.
runuser	Integer		Runtime user getRunUser setRunUser hasValueRunUser
runuserdomain	String		
runusername	String		
serviceid	Integer		Service id. getServiceID , setServiceID and hasValueServiceID .
timediff	Integer		Time difference between master and agent. getTimeDiff , setTimeDiff and hasValueTimeDiff .
timezone	String		Time zone of Node. getTimezone , setTimezone and hasValueTimezone .
type	Short		Node type. getType , setType and hasValueType .
varset	String		Variable set for this connection (clob 6M).

WorkGroup

Table A-132

Name	Type	Internal Field?	Description
allagents	String		All agents? (length 1)
allowmemberrunusers	String		Allow Member RunUsers (length 20).
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
description	String		Description (length 4000)

Table A-132

Name	Type	Internal Field?	Description
externid	String		External id (length 20)
id	Integer		Id (primary key).
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time
name	String		Name (length 256)
ownerid	Integer		Owner
ownername	String		Owner name of the record,
parentid	Integer		Parent id
parentname	String		Parent name.
recordname	String		Name of Master model object name
user	String		

WorkGroupRunUser

Table A-133

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
domain	String		
equivalentuserid	Integer		Equivalent user id
id	Integer		Id (primary key).
isgroup	String		Integer value
lastchangetime	Date	Y	Last change time for this record in the master database.
nodeid	Integer		Node id
recordname	String		Name of Master model object name
usertableid	Integer		
usertablename	String		
workgroupid	Integer		Work group

WorkGroupUserJoin

Table A-134

Name	Type	Internal Field?	Description
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
exclude	String		Exclude (length 1)
groupsecurityids	String		Group security policy ids

Table A-134

Name	Type	Internal Field?	Description
id	Integer		Id (primary key).
lastchangetime	Date	Y	Last change time for this record in the master database.
ownerid	Integer		Owner
ownerdomain	String		Domain of the owner.
ownerfullname	String		Full name of the owner.
ownername	String		Owner name of the record.
recordname	String		Name of Master model object name
usersecurityids	String		User security policy ids
workgroupid	Integer		Work group
workgroupname	String		Name of the workgroup.
workgroupownerid	Integer		Owner Id of the workgroup.
workgroupownername	String		Owner name of the workgroup.

ZOSGatewayNode

Table A-135

Name	Type	Internal Field?	Description
active	String		Active? (Y/N). <code>getActive</code> , <code>setActive</code> and <code>hasValueActive</code> .
activejobs	Short		Number of jobs currently running on agent. <code>getActivejobs</code> , <code>setActivejobs</code> and <code>hasValueActivejobs</code> .
agentload	Integer		Current load of the agent. <code>getAgentLoad</code> , <code>setAgentLoad</code> and <code>hasValueAgentLoad</code> .
agentversion	String		The version of the agent. <code>getAgentversion</code> , <code>setAgentversion</code> and <code>hasValueAgentversion</code> .
cachelastchangetime	Date	Y	Last change time for this record in the master's in-memory cache.
clientcachelastchangetime	Date	Y	Last time this record was updated in the plugin cache.
connectionactive	String		ConnectionActive? (Y/N). <code>getConnectionActive</code> , <code>setConnectionActive</code> and <code>hasValueConnectionActive</code> .
currentoutageend	Date		The <code>DateTime</code> at which the current outage will end, or null if not currently in an outage period. <code>getCurrentoutageend</code> , <code>setCurrentoutageend</code> and <code>hasValueCurrentoutageend</code> .
currentoutageendasstring	String		Current outage end.
description	String		Description (clob 512M)
encrypt	String		Encrypt (length 1) getEncrypt setEncrypt
gatewayhost	String		Gateway host (length 255)
gatewayport	Short		Gateway port
id	Integer		Id (primary key)

Table A-135

Name	Type	Internal Field?	Description
lastchangetime	Date	Y	Last change time for this record in the master database.
lastusermodifiedtime	Date	Y	Last user modified time. (Date)
machine	String		Machine name (length 1024) getMachine setMachine hasValueMachine
name	String		Name (length 64). getName , setName and hasValueName .
nextoutagebegin	Date		The DateTime at which the next outage will begin, or null if currently in an outage period or none are defined for the node. getNextoutagebegin , setNextoutagebegin and hasValueNextoutagebegin .
nextoutagebeginasstring	String		Next outage begin.
nodeuserid	Integer		Node user. getNodeUserID , setNodeUserID and hasValueNodeUserID .
ostype	Short		Os type. getOstype , setOstype and hasValueOstype .
recordname	String		Name of Master model object name.
serviceid	Integer		Service id. getServiceID , setServiceID and hasValueServiceID .
timediff	Integer		Time difference between master and agent. getTimediff , setTimediff and hasValueTimediff .
timezone	String		Time zone of Node. getTimezone , setTimezone and hasValueTimezone .
type	Short		Node type. getType , setType and hasValueType .
varset	String		Variable set for this connection (clob 6M).