



What's New With Tidal Enterprise Scheduler

June 2016

Agenda

- General Updates on Cisco Workload Automation
- Cisco Workload Automation Customer Advisory Community – Bob Eve
- Cisco Workload Automation 6.3 and Roadmap – Shyam Srinivasan
- New Reporting Options – Terma Insight and Vision – Jim Anderson
- Additional Q&A and Closing Remarks

Webinar Logistics

- Attendees will be placed on mute upon joining
- Please use:
 - Chat panel if you have audio or visual issues
 - Q&A panel to ask questions
 - Poll panel to respond to poll questions
- Session will be recorded for future reference
- Slides will be shared via email after the session

Roadmap & Cautions: Important

- Some of the features described herein remain in varying stages of development and will be offered on a when-and-if-available basis.
- This roadmap and dates are subject to change at the sole discretion of Cisco, and Cisco will have no liability for delay in the delivery or failure to deliver any of the products or features set forth in this presentation
- Cisco Roadmap Terminology

Shipping: Feature/functions currently available in the GA version

Committed: Execution Commit Gate Passed

Planning: Refining requirements, high level design is in progress

Radar: Gathering requirements, discussing with analysts & customers

Cisco Tidal Enterprise Scheduler is now **Cisco Workload Automation**



Cisco Workload Automation

Cisco's Commitment to Cisco Workload Automation

Leadership

5th
Largest
Software
Company

Talent

Over 60
Engineers
Focused on
Cisco Workload
Automation

Global
Technical
Support
24x7 support
model

Quality

2x
Investment in QA
&
Automation

3
Service Pack
Releases on
6.2.1

“Krys Group is very satisfied with the new Cisco TES release 6.2 Our upgrade from release TES 5.3.1 to 6.2 was smooth.”

“Our production platform to produce our product (glasses and lenses), is based on this scheduler.”

- Dider Pavy, KRYS GROUP

“The journey from 6.0 to 6.2.1 has primarily given us an improved performance and a higher availability.”

“Another new functionality we are excited about is the new Transporter Import/Export utilities. We have participated in the beta test with good results.”

- Mogens Hald Kristensen, ALM BRAND

Cisco Workload Automation Customer Advisory Community (CAC)

Customer Advisory Community Program at a Glance

• Cisco-supported Activities

- Steering Committee to guide strategy and plans
- Dedicated Program Manager and budget to drive engagement
 - Kim Splaine
 - ksplaine@cisco.com
- Product & Activity Announcements
- Webinars
- Regional Workshops
- Working Groups
- Surveys on usage, needs, priorities, etc.

• Online Interactions

- Register for / review Customer Advisory Community activities
- Start discussions with like-minded customers and Cisco
- Access the Support portal and knowledgebase
- Access documentation & resources



Customer Advisory Community Website

The screenshot shows a web browser window displaying the Cisco Support Community page for the Tidal Enterprise Scheduler Customer Advisory Community. The browser's address bar shows the URL: <https://supportforums.cisco.com/community/5711/tidal-enterprise-scheduler>. The page header includes the Cisco logo, navigation links (Directory, Expert Corner, Events, Community Corner, Support & Downloads), and a search bar. Below the header, there is a main banner with the title "Cisco Tidal Enterprise Scheduler Customer Advisory Community" and a mission statement: "The Customer Advisory Community's mission is to help community members maximize the business and IT benefits from their Cisco Tidal Enterprise Scheduler implementations." The main content area is divided into three columns. The left column, titled "Community Events", lists upcoming events and webinars, including "Webinar: What's new with Tidal Enterprise Scheduler, Option 1, 6/21/2016" and "Chicago Regional Customer Advisory Community Meeting, 9/21/2016". The middle column, titled "TES USER SURVEY", contains a survey announcement: "In order to get a better visibility on your experience with the transition from Cisco TES 5.3.1 to TES 6.2.X, we would like your input via a short survey. Please click HERE to begin survey." Below this, it states: "Focused exclusively on Cisco Tidal Enterprise Scheduler, this community includes Cisco Tidal Enterprise Scheduler customers, partners and employees that participate in the community via a variety of on-line and face-to-face activities." and "Goal of this community is to serve as the one-place-to-go to find resources, participate in activities, and collaborate with other community members." The right column features a "Cisco Tidal Enterprise Scheduler 6.2.1 SP3 May Hotfix Roll Up is now available" announcement, an "Actions" section with a "Login or Register to take actions" link, and a "Cases Studies/Use Cases" section with a link to "Improve ETL Process Management TES Case Studies".

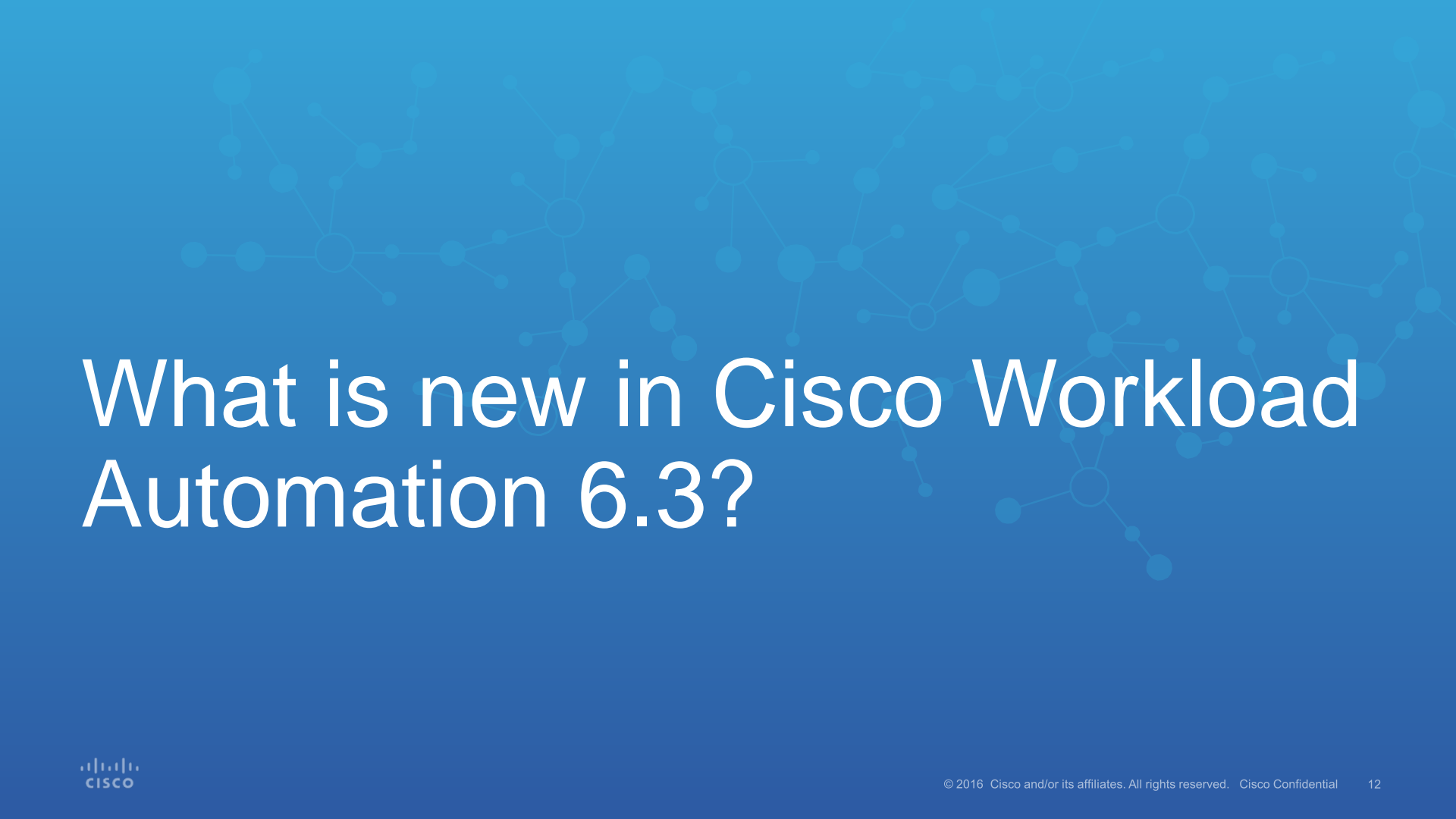


<https://supportforums.cisco.com/community/5711/tidal-enterprise-scheduler>

Coming Events

- September 21 – Chicago Regional Customer Advisory Community Meeting
- October 12 – London Regional Customer Advisory Community Meeting
- October 26 – New York City Customer Advisory Community Meeting
- And more.....



A background network diagram consisting of various sized blue circles (nodes) connected by thin white lines, creating a complex web-like structure across the entire slide.

What is new in Cisco Workload Automation 6.3?

Key 6.3 Enhancements at a Glance

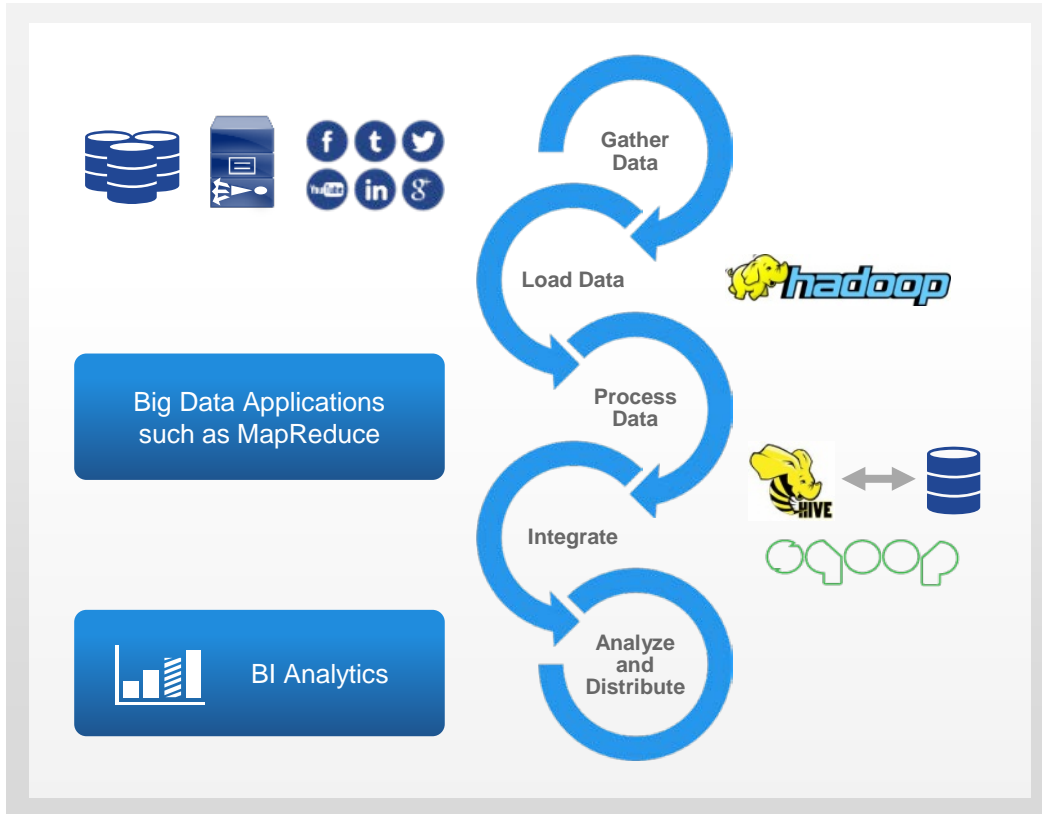
- *Hadoop V2 Support*
- *Enhanced Job Development and Migration Support*
- Java Client
 - JRE 1.8 support
 - Auto throttling of slow clients
 - Client white listing
- Audit Log Improvements
- Oracle Apps SSL Support
- *New reporting options from Terma – Vision and Insight*

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Automating Workflows in Hadoop

Cisco Workload Automation Hadoop Adapters

DataMover, MapReduce, Hive and Sqoop



Provides a platform for defining end-to-end Hadoop workflows and Scheduling Operations

Allows developers to focus on building Hadoop applications without having to worry about integration challenges

Improves productivity through easy workflow modifications for new experimentations

Hadoop Adapter Enhancements

- Ability to automate big data workflows on multiple Hadoop distributions from a single Cisco Workload Automation instance
- Support for multiple versions of the Hadoop distributions, ex: CDH 4.5 and CDH 5.0
- Integration with YARN for tracking the jobs submitted through Cisco Workload Automation
- Flexible design to support latest versions of HadoopV2 based distributions – CDH 5.x, MapR 5.x, HDP 2.x

Three Simple Steps to Hadoop Automation

Step 1: Prepare your Master

Copy the MapReduce, Hive, Sqoop client jar files from your Hadoop distribution into a directory in the Master

Step 2: Setup your MapReduce/Hive/Sqoop/DataMover connection

Choose your Hadoop Distribution and the Resource Manager (YARN for Hadoop V2 and Job Tracker for Hadoop V1)

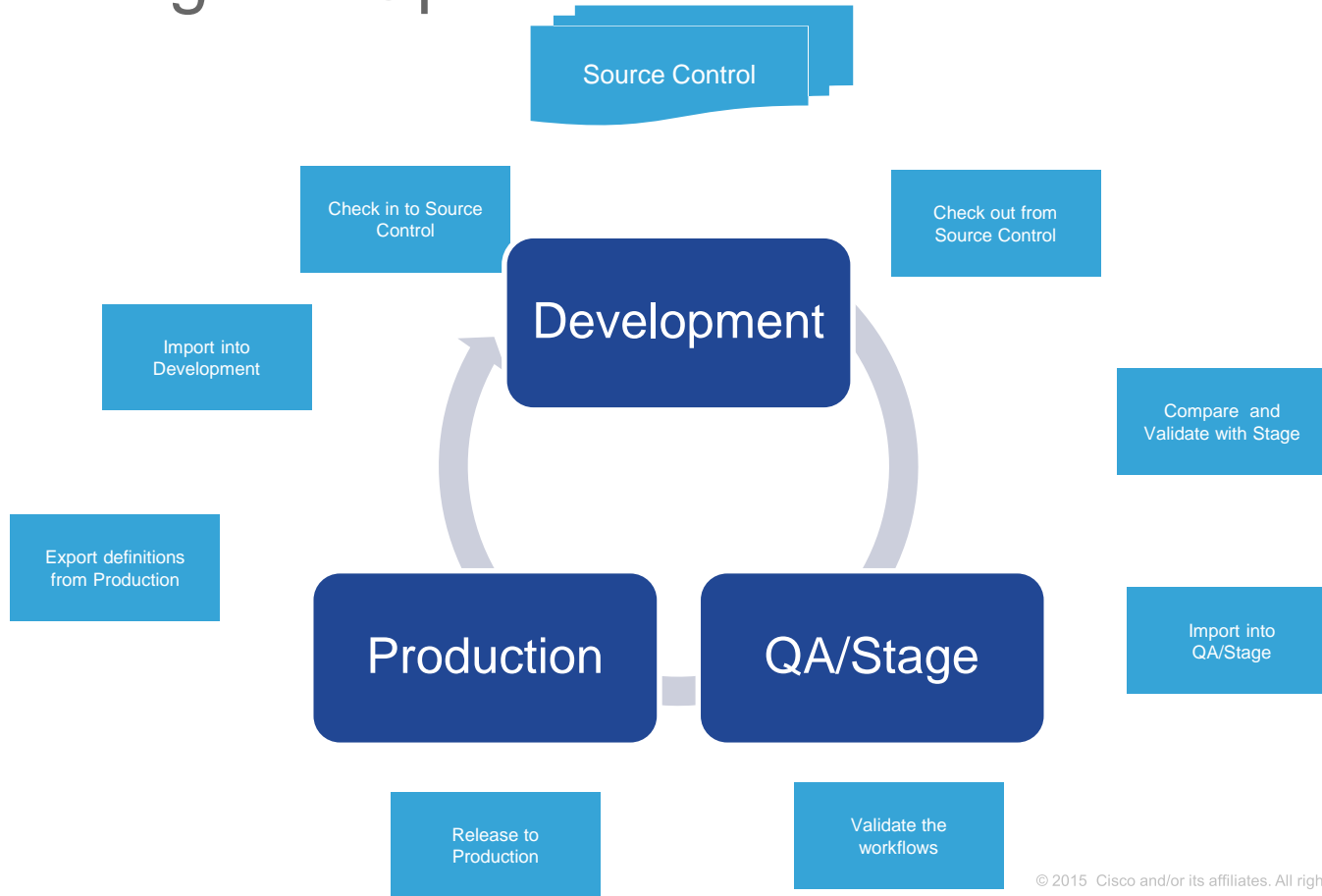
Specify your Name Node, Hadoop User to use for Automation, etc., to complete the connection

Step 3: Define your ETL/Analytics workflow and start scheduling

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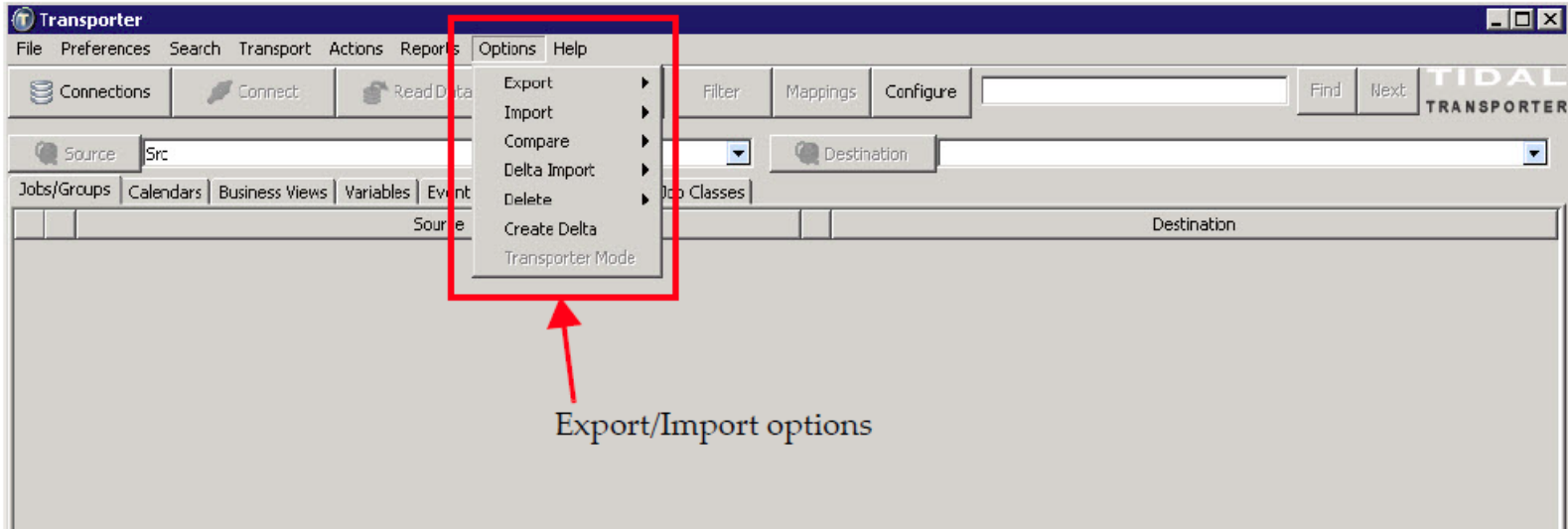
Enhanced Job Development and Migration Support

Enabling DevOps Practices for Workload Automation



Transporter Enhancements

Transporter has been enhanced to support new modes for Export/Import/Compare/Delta and Delete of Job, Job Groups and Dependent Artifacts



New CLIs have also been introduced for those that are interested in doing these operations from command line

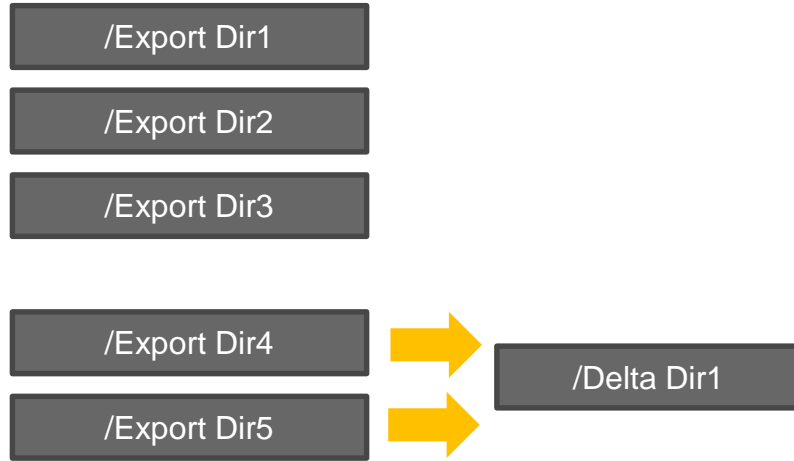
Export, Delta, Import, Import Delta and Delete

Source CWA



Export

File System

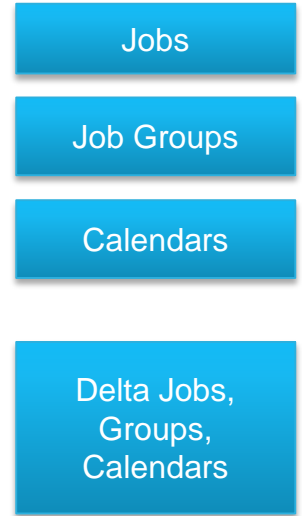


Delta

Destination CWA

Import or
Delete

Import
Delta



Compare and Validate

Source File System

/Export Dir1

Destination CWA

Jobs

Job Groups

Calendars



Compare



Validate

File System

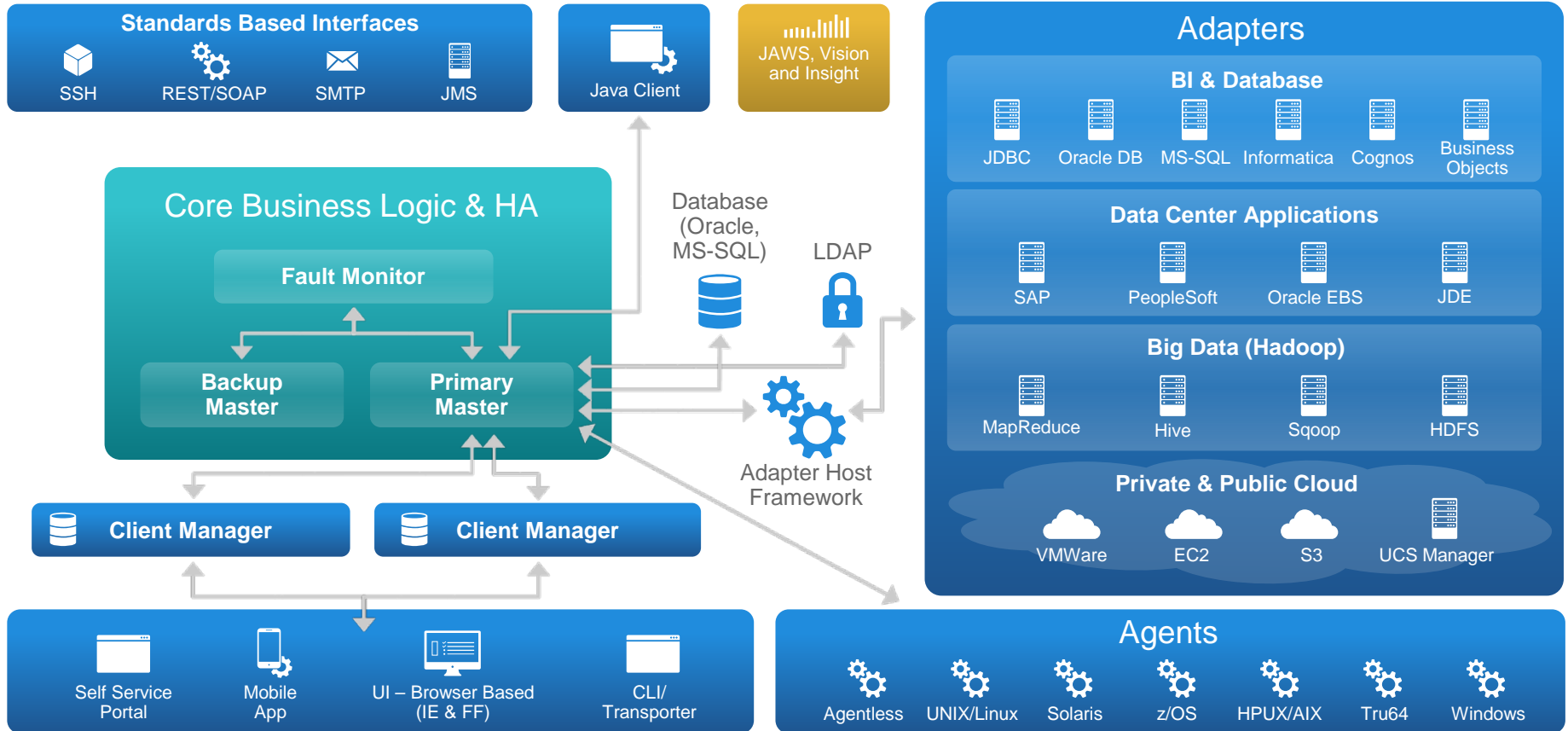
Compare Report

Validate Report

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Architecture Update

Cisco Workload Automation 6.3



API and Database Schema Changes

- Remains same as that of TES 6.2
- JAWS integration through API and DB will continue to work seamlessly

A background network diagram consisting of numerous blue circles of varying sizes connected by thin blue lines, representing a complex network structure. The circles are distributed across the entire blue background, with some larger circles acting as hubs.

Upgrade and Migration

6.3 Upgrade and Migration

Hardware specs for CWA 6.3 will be same as CWA 6.2

Supported versions for Inline Upgrade & Migration

- tomodachi5.3.1 to CWA 6.3 (Inline Upgrade if h/w specs are met / Migration)
- 6.1 to 6.3 (Inline Upgrade / Migration)
- 6.2.1 SP3 to 6.3 (Inline Upgrade / Migration)

How We Can Collaborate on Future Releases?

- Contribute to “Working Groups” on
 - Big Data
 - Cloud Sources
 - Dev Ops
- Submit enhancement requests via Support

Reminder: TES 5.3.1 and 6.1 EOL Milestones

	End of Engineering Support	End of TAC Support
Tidal Enterprise Scheduler 5.3.1	July 31, 2016	July 31, 2016
Tidal Enterprise Scheduler 6.1	July 31, 2016	November 30, 2017

Quotes from customers who recently migrated:

- *“I used tech support to rehearse a solid upgrade procedure in test. They were instrumental in getting me through the test upgrade. The production upgrade was conducted without issue.”*
- *“The overall experience was as smooth as could be expected. BlueHouse and CISCO were quick to respond and address issues/questions.”*

A background network diagram consisting of various sized blue circles (nodes) connected by thin blue lines (edges), creating a complex web-like structure across the entire slide.

New Reporting Options

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Q&A and Closing Remarks

Agenda Review

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Next Steps



- Cisco Workload Automation 6.3

- ✓ July/August – Plan your migration
- ✓ September/October – Start your migration

- Customer Advisory Community

- ✓ June – Check out <https://supportforums.cisco.com/community/5711/tidal-enterprise-scheduler>
- ✓ September 21 – Chicago Regional Customer Advisory Community Meeting
- ✓ October 12 – London Regional Customer Advisory Community Meeting
- ✓ October 26 – New York City Customer Advisory Community Meeting
- ✓ And more based on your survey feedback

Key Contacts

- Kimberly Splaine (ksplaine@cisco.com) – Customer Advisory Community
- Peter Tran (petetran@cisco.com) – Product Marketing
- Shyam Sundar Srinivasan (shysrini@cisco.com) – Product Management
- Rick Kane (rikane@cisco.com) – Americas Sales
- Anna-Sophie Francke (anfranck@cisco.com) – EMEAR and APJC Sales
- Brad Houston (brhousto@cisco.com) – Technical Support Management



CISCO

TOMORROW starts here.