

Reviewer's Guide for IAC Demo Center

Cisco Intelligent Automation for Cloud v3.1

Welcome to the Cisco Intelligent Automation for Cloud Demo Center. This site has been designed for Sales Engineers or Partners and provides full administrator access to cloud portal and process orchestrator workflows, as well as vCenter, SQL Server and Active Directory for demonstration or proof-of-concept opportunities. This guide provides step-by-step guidelines to gain access as well guidance on how to conduct a demonstration for the end-user and administrator views of Cisco Intelligent Automation for Cloud version 3.1.

This demo center runs on top of NetApp's FlexPod® infrastructure solution and provides the user with visibility into and partial administrator access to the multi-tenant FlexPod configuration. Access to this environment is provided hourly, daily or weekly.

Requirements:

A Cisco Data Center sales PSS, Solution Architect/CSE or IAC ATP Partner must participate in any demonstration or proof-of-concept activities.

Getting Started:



Figure 1 Choose sign-up for new accounts.

To obtain an account, go to <http://iac-labs.labgear.net/Home.asp>, choose "Sign-Up" and complete the information requested. Once completed, your request will be approved and a logon will be sent to your email account.

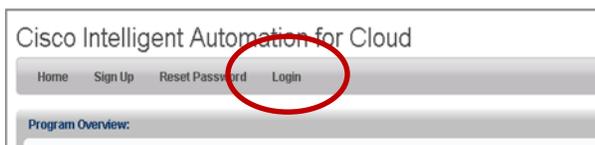
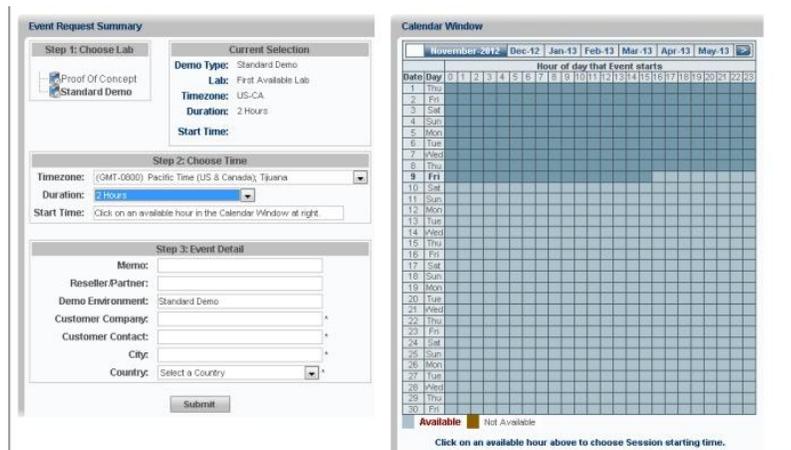


Figure 2 Once approved, choose Login.

Once your account is approved, return to the LabGear® site and choose "Log-in."

After you login, you will be presented with the screen to schedule a demo.

- 1) Start by selecting the type of demo.
 - Standard Demo is a one-time reservation that can be reserved from 1 hour to 4 hours.
 - Proof Of Concept Demo is a persistent reservation that is available from 1 day to up to 14 days



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A standard demo should be used for live demo opportunities. The proof-of-concept demo option should be used for training and extended sales opportunities for up to 14 days.

- 2) To continue your reservation, complete the time zone, duration and start time for the demo event.
- 3) Complete your reservation in Section #3 by providing event detail that includes a memo, reseller/partner name, if applicable, customer name, customer contact, city and country.

Event Confirmation Details	
Memo:	Time for reviewer's guide
Partner:	Joann
Demo Type:	Standard Demo
Customer Company:	Cisco
Customer Contact:	Cisco
City:	Milpitar
State/Province:	California
Country:	United States
Confirmation #:	328288
Lab Name:	IA-CLOUD-09 (1038)
Time Zone:	(GMT-0800) Pacific Time (US & Canada); Tijuana
Start Time:	Fri 02-Nov-2012 16:00
End Time:	Fri 02-Nov-2012 18:00
Duration:	2 hr
Username:	P01-328288
Password:	mrszd

[Quick Login](#)

Once you submit your reservation, you will receive a demo event confirmation that provides details on the reservation, confirmation number, user name and password to use to log into the session.

If you would like to watch videos on demand that describe this process, please go to:

<https://supportforums.cisco.com/videos/4663>

For details on how connect to each demo server and navigate, please go to the second video:

<https://supportforums.cisco.com/videos/4665>

Figure 3 Event Confirmation Email.



SESSIONS ARE AVAILABLE ON-DEMAND BUT YOU MUST ALLOW EIGHT (8) MINUTES FOR A NEW INFRASTRUCTURE ENVIRONMENT TO BE SPUN UP BEHIND THE SCENES. CONSOLE ACCESS WILL NOT BE AVAILABLE DURING THIS TIME.

Intelligent Automation for Cloud v.3.1

Cisco Intelligent Automation for Cloud (Cisco IAC) is a holistic cloud management solution with broad coverage for private, public and hybrid cloud deployments. Cisco IAC enables IT operations for cloud computing with policy-based controls to provision virtual and physical resources. It is an advanced automation and orchestration software stack for cloud computing supporting everything from simple virtual machine lifecycle operations up to advanced IaaS use cases that include multiple virtual data centers.

 **Logins:**

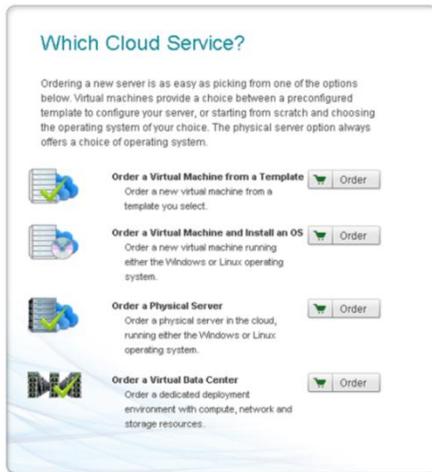
Windows username: demo\administrator

Password: 1A_Demo

Local Windows passwords are Pas\$word

Server Provisioner credentials are admin/admin

UCS1 and UCS2 are admin/admin. UCS3 is dynamically assigned



End User Views

The main portal page used by the end user to begin the process of ordering their virtual machines, physical services or virtual data center(s) is viewed at left.

Virtual Datacenters (VDCs)

To order a virtual data center, choose that option and another form appears that allows the user to enter a name for the VDC, determine if it is connected to the enterprise or internet and determine the use of the virtual data center.

 DEMO LABS DO NOT HAVE INTERNET ACCESS.

FOR HYBRID OR MULTI-CLOUD PROOFS OF CONCEPT, CONTACT: IAC-DEMO-LAB@CISCO.COM

Three sizes of Virtual Data Centers ship standard with Intelligent Automation for Cloud 3.1 but the cloud administrator can modify these or create more to meet the needs of the organization's customers. Once the size of the virtual data center is chosen, many of the specifications will be automatically filled in such as vRAM, storage and number of server blades.

Once completed, choose submit. Orders for virtual data centers go into a service queue that is accessed by a cloud provider technical administrator, who determines where each POD, vCluster, and and data store should be assigned. The cloud administrator is also responsible for approving or rejecting the order. When approved, the cloud administrator will assign the VDC location and verify that the networks all exist and are available.

When you choose the "My Virtual Data Center" tab, you will get a summary of all the VDC's that have been ordered by that specific user as seen in the figure below.

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Name	Size	Order date	Owned by	Requisitioned by
My OTA VDC 2	Small	11/08/2012 4:29 PM	CISC	z-otouser Demo
My OTA VDC	Medium	11/08/2012 11:46 AM	CISC	z-otouser Demo
Test VDC A	Small	11/08/2012 9:58 AM	IAC Development	Lee Calcote(Cisco)
em291521	Large	11/07/2012 9:49 AM	IAC Development	Eric Moody
Testgt	Medium	11/01/2012 9:33 AM	IAC Development	Sravanti Edurpalli(Cisco)
em291549	Small	10/29/2012 1:49 PM	CISC	z-otouser Demo
em291540	Small	10/29/2012 1:40 PM	CISC	z-otouser Demo
test-app-vdc-3	Small	10/29/2012 1:01 PM	CISC	z-otouser Demo
test-app-vdc-2	Small	10/29/2012 12:53 PM	CISC	z-otouser Demo
test-app-po-1	Small	10/29/2012 10:45 AM	CISC	z-otouser Demo

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Manage Virtual Data Center

- Modify VDC Size
- Decommission VDC
- Add a Network to VDC
- Remove Network from VDC
- Order a Virtual Machine from Template
- Order a Virtual Machine and Install an OS
- Order a Physical Server

Figure 4 Virtual Data Center Summary



THIS SCREENSHOT IS JUST AN EXAMPLE AND REPRESENTS THE SUPERUSER VIEW. THE AVERAGE USER WILL NOT SEE THIS MANY VDCS.

From this screen, you can add/remove networks, add VDC capacity or edit the VDC size.

Scrolling down, the user can obtain utilization information about their virtual data center including how many virtual machines have been provisioned, the number of network IPs utilized and networks provisioned.

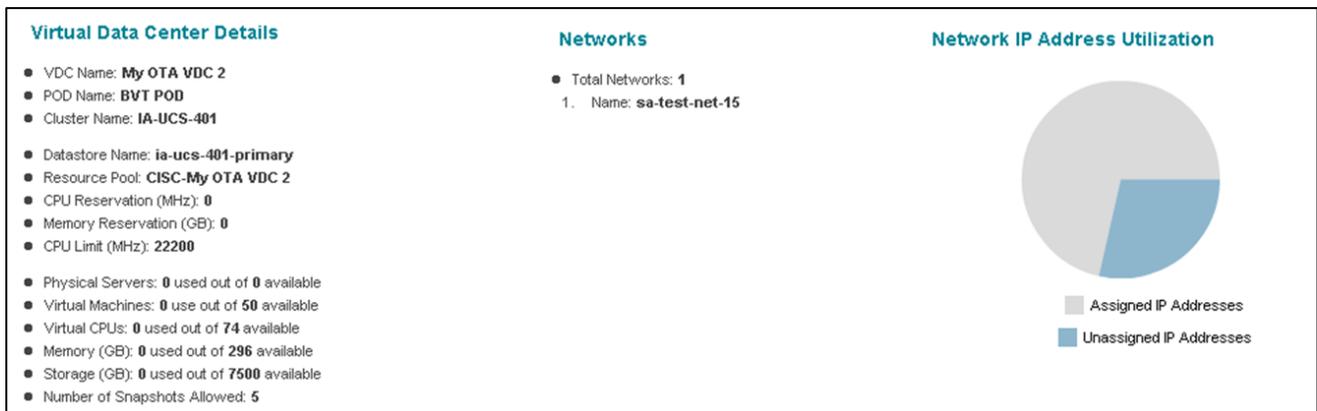


Figure 5 Detail provided on each virtual data center.

My Servers

When you choose the “My Servers” tab, you will see records of all of the virtual machines or physical server(s) that have been ordered. Note that this view is secured to only show machines to which your user account has some access. Organization administrators can see all systems provisioned for the organization; end-users can only see the systems they ordered by default. These permissions can be

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updated through a variety of means to allow for “sharing” of resources within the portal. All virtual or physical resources not decommissioned will be listed in this view. A range of activities can be taken from this page including power up/down, resize, take a snapshot, obtain snapshot history or extend the lease for an order, etc.

Type	Name	OS	Virtual Data Center	Primary Network	IP Address	Order Date	Expires On	Organization	User
Virtual Machine (...)	iademo03		IA Demo Shared Zone	IA Demo Community Network	192.168.183.6	11/14/2012 7:18 PM	2/12/2013 07:18 PM	IA Demo Admin Org	IA CPTA
Virtual Machine (...)	iademo01		IA Demo Shared Zone	IA Demo Community Network	192.168.183.4	11/12/2012 6:11 AM		IA Demo Admin Org	IA CPTA

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Take Action

- Power Up
- Power Down
- Power Cycle
- Modify Configuration
- Take Snapshot
- View Snapshots
- Revert to Snapshot
- Delete Snapshot
- Decommission
- Extend Lease

Details

Figure 6 My Servers Tab.

Cloud Administrator Views

The cloud administrator manages the infrastructure and the user, but they do not manage the individual servers that are ordered. A primary value of operating IT-as-a-Service is that the individual servers are managed by the end users who placed the order.

CloudSync is cloud infrastructure discovery that manages and tracks all infrastructure elements within the cloud environment and the management systems connected to them. CloudSync helps reduce the cost and effort of setting up and managing a cloud while providing the administrator with a synchronized dashboard of the underlying infrastructure components, including automatically detecting changes, such as addition of blades or data stores to the accessible infrastructure.

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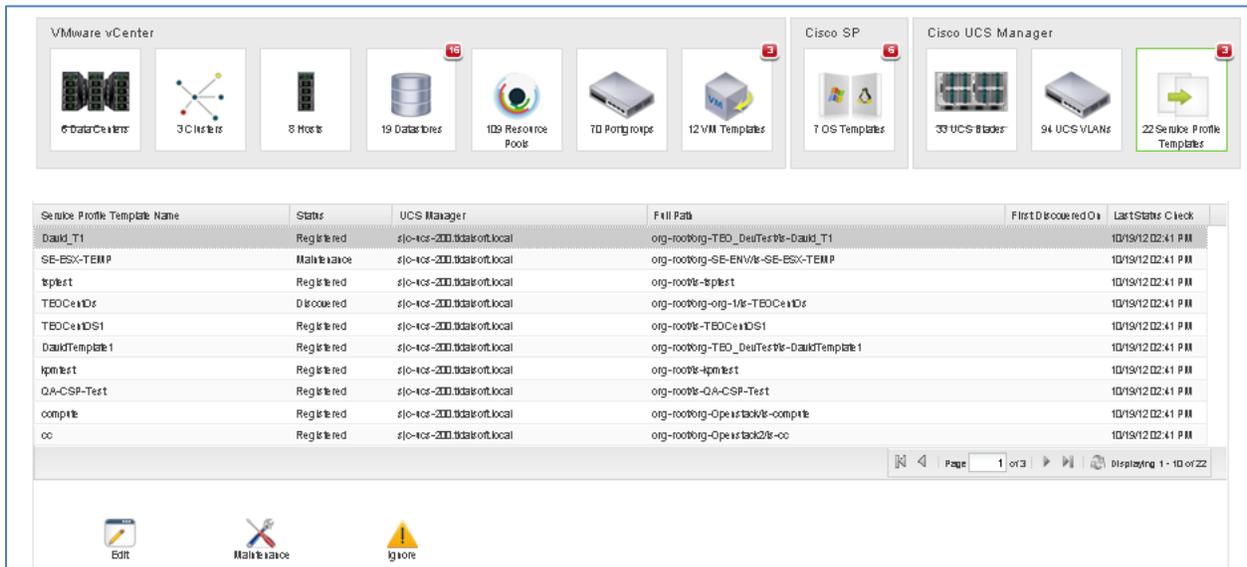


Figure 7 CloudSync tracks cloud infrastructure elements.

From here, the administrator can obtain detailed information about vCenter components, UCS and Server Provisioner. The red numbers on each icon are the number of resources that are new or recently discovered. This alerts the cloud administrator that they need to:

- Register them for use as a resource for the cloud
- Ignore them preventing anyone from accessing this particular element (especially useful for blades)
- Place them into maintenance mode to make modifications or edits, or save them as spare capacity

Capacity & Utilization

Another function of the cloud administrator is to monitor capacity of the environment and utilization. The System Resource utilization tab (Figure 8 on page 7) provides a wide range of information about utilization for virtual and physical blades as well as CPU, memory and storage utilization.

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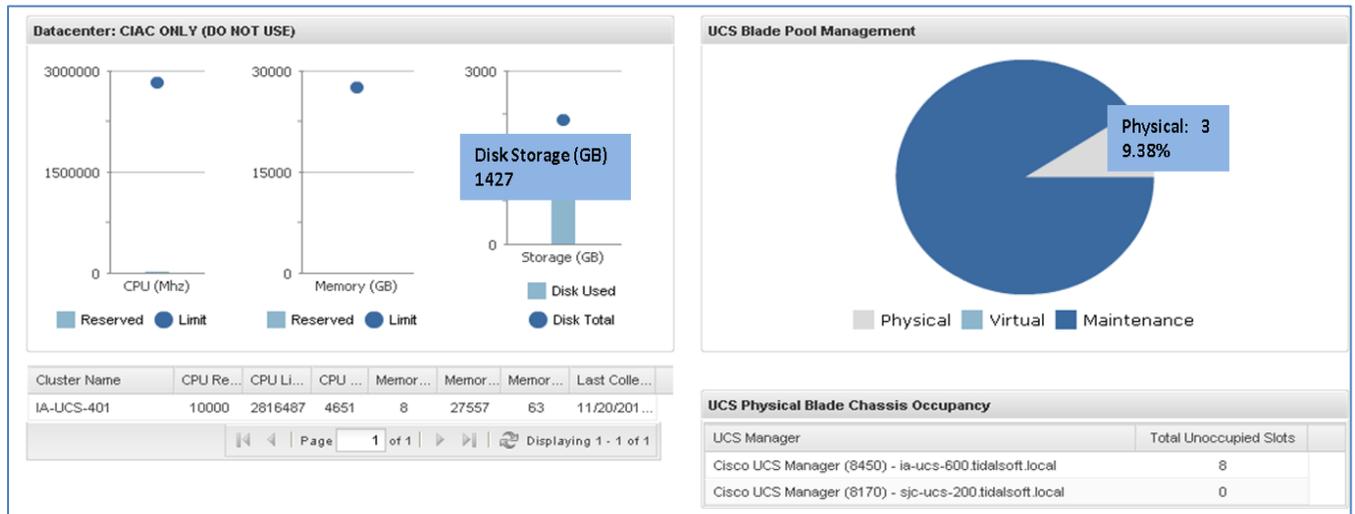


Figure 8 Resource Utilization & Capacity Dashboard

Cloud Service Errors

The Cloud Service Error Tab provides the cloud administrator with the ability to quickly identify when service and provisioning errors occur, and complete correcting actions. From this window, the cloud administrator can:

- Cancel the workflow attempting to complete a change operation
- Retry from the point of failure
- Restart the workflow from the beginning
- Ignore the error and continue to the next step
- Roll back to the previous workflow version

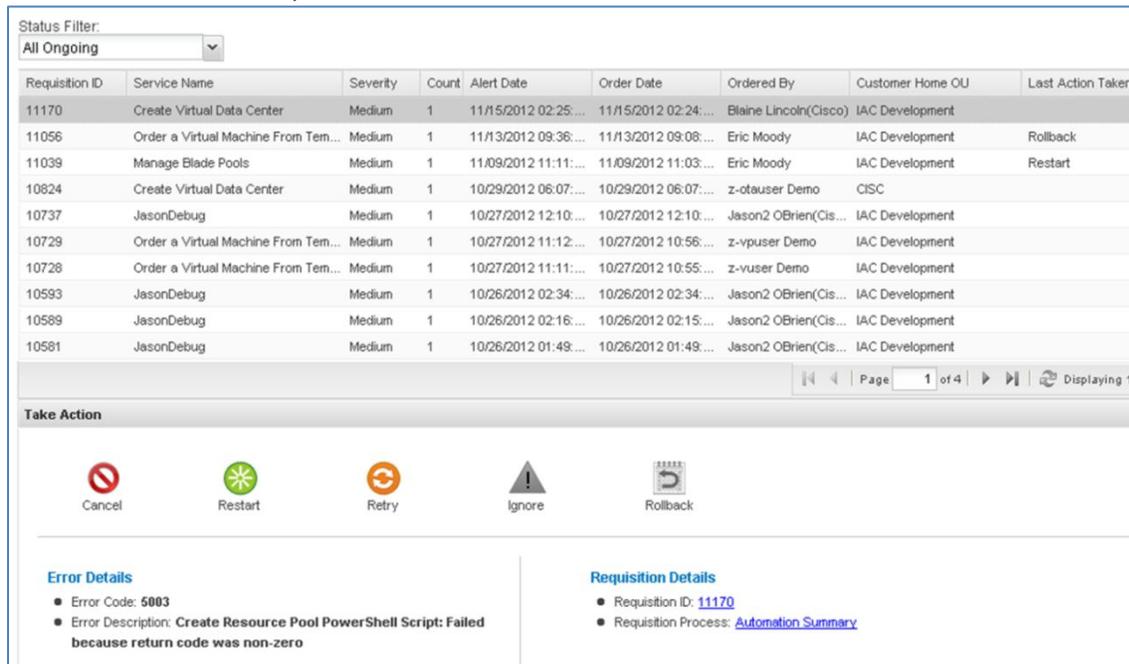


Figure 9 Quickly identify cloud workflow errors

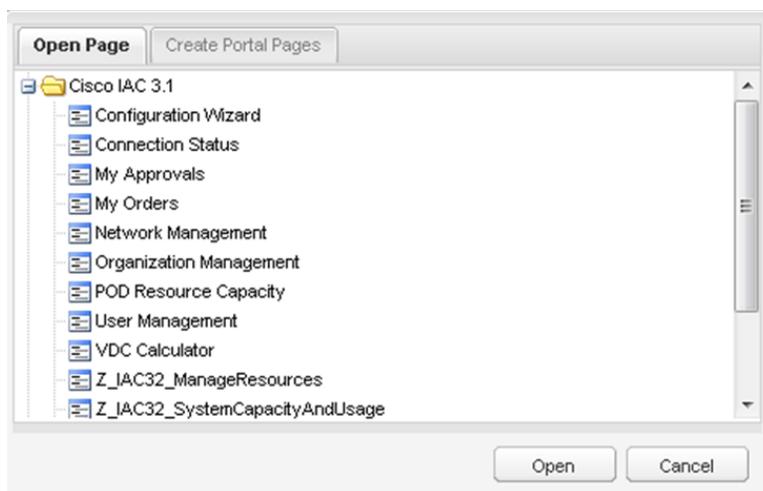
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This document cannot cover all the functionality available with Cisco IAC 3.1. To discover more tabs and functionality, click on the “+” sign located at the top of the portal user interface. If you do not see the “+” sign, use the directional arrows to move the selections to the right.



Once you click on the “+” sign, the following dialogue box will open. Choose Cisco IAC 3.1 and a listing of potential services will appear. Choose from the selection of options available that should be loaded into the portal user interface. For example, choose connection status.



Connection status will appear in the portal services option and the page will be displayed.



Figure 10 Addition of Connection Status Tab.

Extension Points

Cisco IAC provides over 200 extension points for the self-service portal and orchestration workflows to protect investment in custom extensions. These extension points reduce the complexity of integration

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with system management tools from different vendors. Extension point examples include: integration with monitoring solutions, IP management solutions or billing/chargeback solution. The following picture shows an example of the extension point in the activity “Commission Virtual Server from Template:”

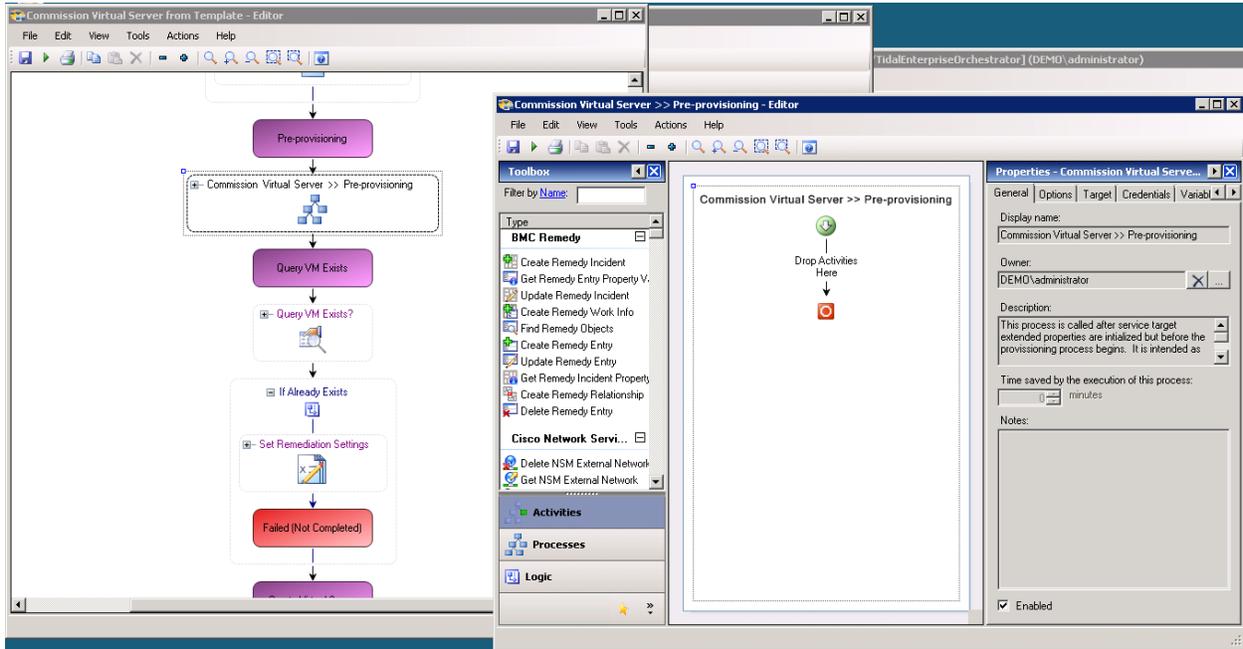


Figure 11 Extension Points in Cisco Process Orchestrator

The IAC Demo Center allows users to navigate to the server desktop of the Cisco Process Orchestrator to observe a running workflows or customize processes. It also let you log into the vCenter, UCS Manager (emulator), SQL Server and Active Directory. So don't forget to take advantage of this and navigate the these servers while you are in this demo environment. Enjoy!