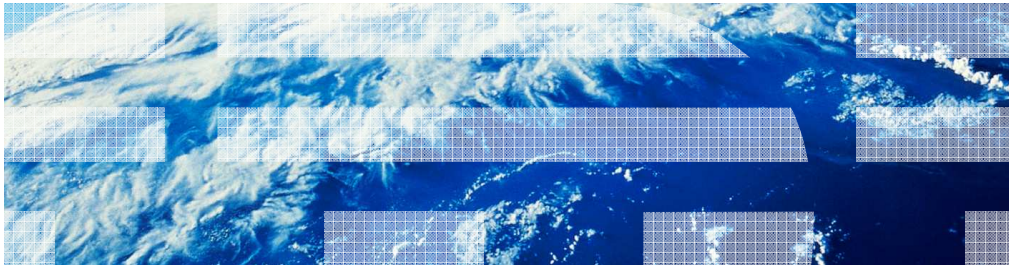


IBM Tivoli Service Automation Manager V7.2.2

Running a virtual center discovery



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In this training module, you learn how to run a virtual center discovery from the Tivoli® Service Automation Manager administration user interface for version 7.2.1 and for version 7.2.2

Objectives

When you complete this training module, you can accomplish these tasks:

- Run a virtual center discovery in Tivoli Service Automation Manager V7.2.1
- Run a virtual center discovery in Tivoli Service Automation Manager V7.2.2

When you complete this training module, you can accomplish these tasks:

- run a virtual center discovery in Tivoli Service Automation Manager V7.2.1
- run a virtual center discovery in Tivoli Service Automation Manager V7.2.2

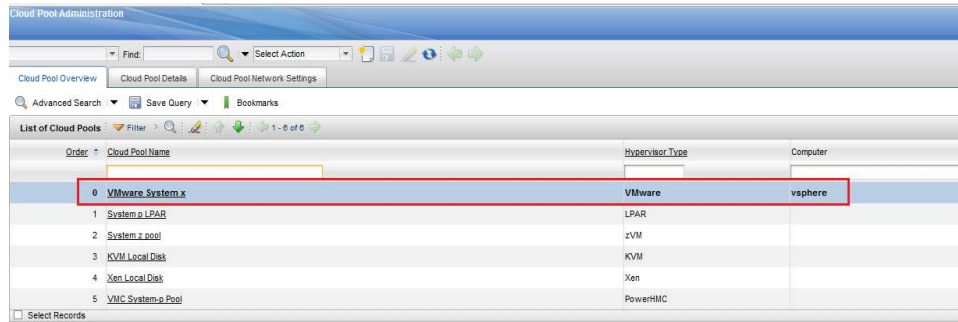
Cloud pool administration application

Virtual center discovery is run by using the Cloud Pool Administration application:

From Tivoli's process automation engine administration user interface:

Click **Go To > Service Automation > Cloud Pool Administration**

Press Enter and select **VMware System x Cloud Pool**



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Running a virtual center discovery

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In Tivoli Service Automation Manager V7.2.1, use the Cloud Pool Administration application to run Virtual Center Discovery. Access the Cloud Pool Administration application from Tivoli's Process Automation Engine Administration User Interface.

The toolbar menu path is: **GoTo > Service Automation > Cloud Pool Administration**. When you are on the **Cloud Pool Administration** pane, click **Enter** on the **Cloud Pool Name** field. A list of available cloud pools is revealed. Select one of the VMware System X entries from the list.

V7.2.1 configure virtual center discovery

In the virtual center discovery section, click **Virtual Center Discovery**

The screenshot displays the 'Cloud Pool Administration' interface. The 'Virtual Center Discovery' section is visible, showing the following configuration and status:

- Cloud Pool Name: VMware System X
- Description: (empty)
- Hypervisor Type: VMware
- Resource Pool Name: Exx Cloud Pool
- Maximum Number of Virtual CPUs: 4
- Maximum Tenths of Physical CPU: 40
- Maximum Memory in MB: 8,192
- Order: 0
- Enabled?:
- Virtual Center Discovery: (empty)
- Hypervisor Manager: vsphere
- Most recent hypervisor manager discovery: 4,204
- Cloud_Discover_VirtualCenter 3/26/12 1:53 PM
- Status: Success

A red box highlights the 'Virtual Center Discovery' button in the bottom right corner of the section.

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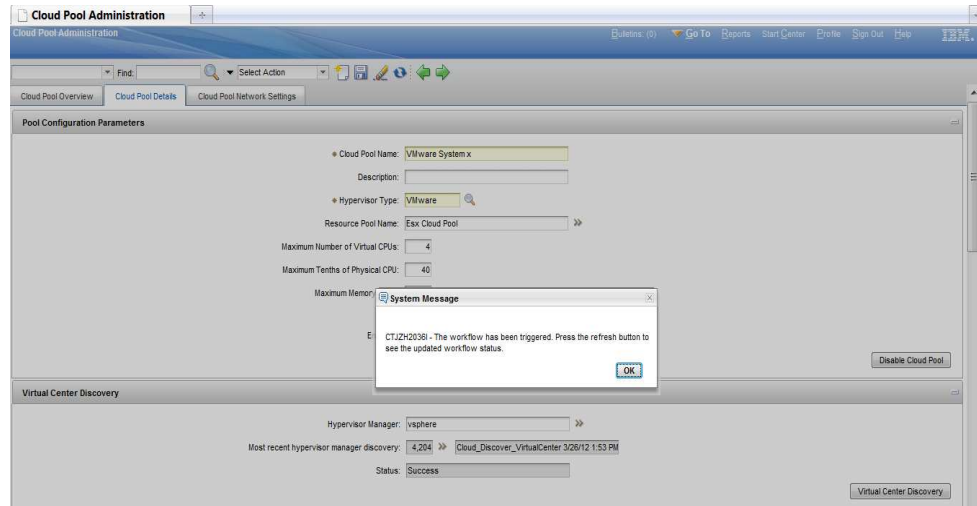
Running a virtual center discovery

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When you are on the VMware System X cloud pool details page, click **Virtual Center Discovery**.

V7.2.1 start virtual center discovery

When you click **Virtual Center Discovery**, a message window opens. Click **OK**.



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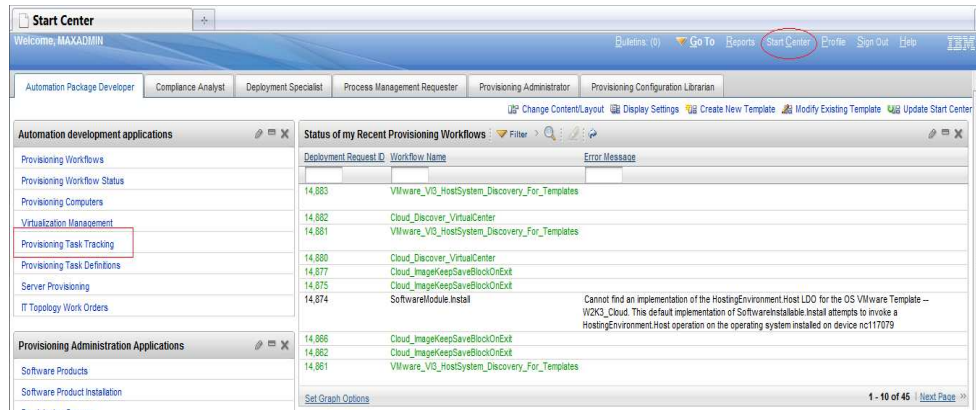
Running a virtual center discovery

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After clicking the **Virtual Center Discovery** button you see a message window informing you that the workflow has started. Click **OK**.

Monitor with provisioning task tracking

Go to the **Start Center** and click **Provisioning Task Tracking** to monitor the workflow progress



Return to the Administration User Interface Start Center screen. In order to monitor the progress of the workflow, click **Provisioning Task Tracking**.

Cloud_discover_virtual center in progress

Verify that the workflow Cloud_Discover_VirtualCenter is in progress.

Provisioning Task	Status	% Completed	Start Date	Initiator	Type
Cloud_Discover_VirtualCenter 5/18/12 4:59 PM	In Progress	0%	5/18/12 16:58:17	MAXADMIN	Provisioning Workflow
Cloud_Discover_VirtualCenter 5/18/12 4:48 PM	Success	100%	5/18/12 16:46:32	MAXADMIN	Provisioning Workflow
Run provisioning workflow. Cloud_ImageKeepSaveBlockOnExit submitted at 4/24/12 3:30:47 PM SCS1	Success	100%	4/24/12 15:30:53	MAXADMIN	Provisioning Workflow

The Cloud_Discover_VirtualCenter workflow discovers all of the clusters that are defined in the vCenter. This workflow also discovers the information related to the data stores that create computer objects for each cluster. Confirm that the workflow Cloud_Discovery_VirtualCenter is in progress.

Monitor with provisioning task tracking

Wait until the Cloud_Discover_VirtualCenter workflow completes

The screenshot displays the 'Provisioning Task Tracking' web interface. At the top, there is a search bar with 'Find:' and a 'Select Action' dropdown. Below this are tabs for 'List' and 'Task', along with 'Advanced Search', 'Save Query', and 'Bookmarks' options. A message box states: 'To see status updates on this page, click the Refresh icon on the toolbar.' The main section is titled 'Provisioning Tasks' and shows a table with columns for 'Provisioning Task', 'Status', '% Completed', and 'Start Date'. The table contains one entry: 'Cloud_Discover_VirtualCenter 5/18/12 4:59 PM' with a status of 'Success', 100% completion, and a start date of '5/18/12 16:59:17'. A red box highlights this row.

Provisioning Task	Status	% Completed	Start Date
Cloud_Discover_VirtualCenter 5/18/12 4:59 PM	Success	100%	5/18/12 16:59:17

Monitor with Provisioning Task Tracking until the workflow completes. The Virtual Center Discovery attaches all clusters in a virtual center to the current resource pool. Here Tivoli Service Automation Manager becomes aligned with VCenter in terms of resources.

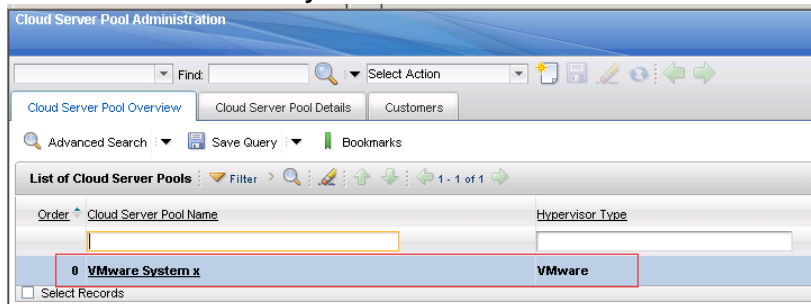
Configure V7.2.2 cloud server pool administration

In Tivoli Service Automation Manager V7.2.2, take a different path to run a Virtual Center Discovery.

You can use Cloud Server Pool Administration application to run the virtual center discovery.

From Tivoli's process automation engine administration UI:

- Click **Go To > Service Automation > Configuration > Cloud Server Pool Administration**
- Press Enter and select **VMware System x Cloud Server Pool**



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Running a virtual center discovery

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Run the Virtual Center Discovery through a different path in V7.2.2. Tivoli Service Automation Manager 7.2.2 uses the Cloud Server Pool Administration application to run a Virtual Center Discovery. You can reach the Cloud Server Pool Administration from Tivoli's Process Automation Engine Administration User Interface by selecting:

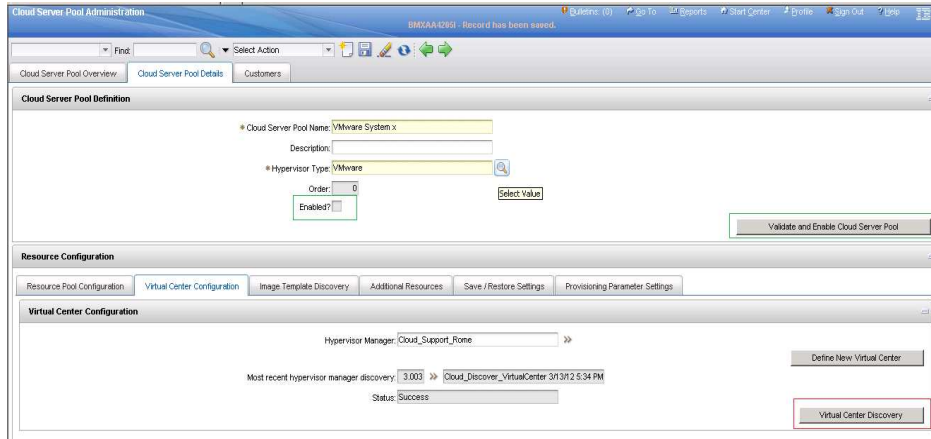
GoTo > Service Automation > Configuration > Cloud Server Pool Administration.

When you are on the Cloud Server Pool Administration pane, click **Enter** on the **Cloud Server Pool Name** field. See the list of available cloud server pools. Select the **VMware System X** entry from the list of available cloud server pools.

Configure V7.2.2 cloud server pool administration

In **Resource Configuration**, select the **Virtual Center Configuration** tab:

- Ensure that the **Enabled** check box is not checked
- Click **Virtual Center Discovery**



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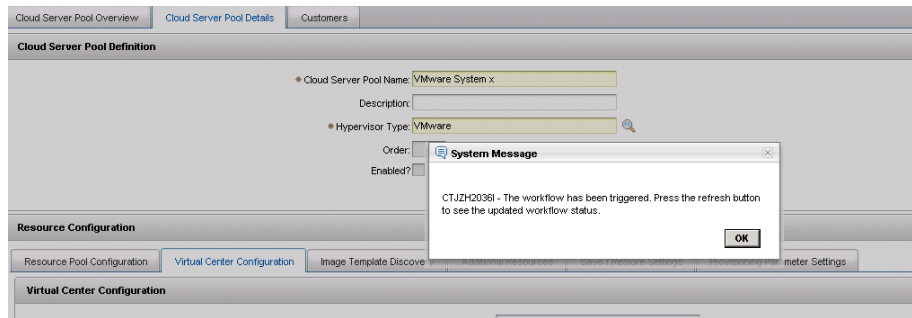
Running a virtual center discovery

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Go to the **Virtual Center Configuration** tab in the **Resource Configuration** section. Ensure that the **Enabled** check box in **Cloud Server Pool** definition section is not checked before clicking **Virtual Center Discovery**. If it is checked you should first click **Disable Cloud Server Pool** to clear it.

Start V7.2.2 virtual center discovery

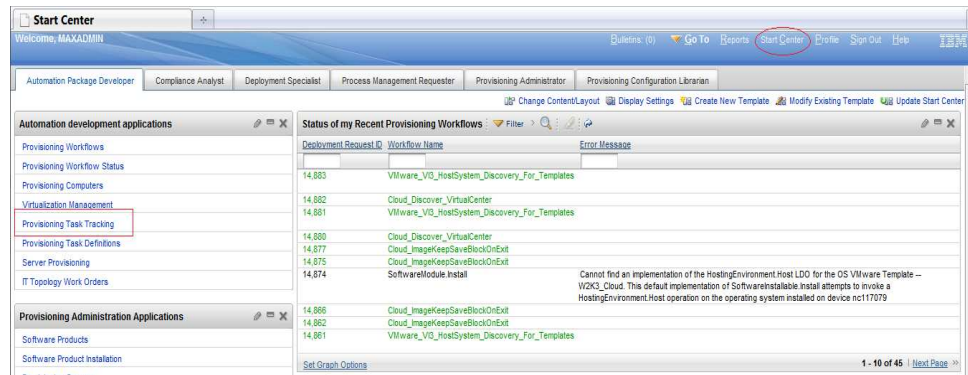
Click **Virtual Center Discovery**. Verify receipt of a message that indicates that the workflow started. Click **OK**



Click **Virtual Center Discovery**. A message window verifies that the workflow has started. Click **OK**.

Use V7.2.2 provisioning tracking

Go to the **Start Center**. Click **Provisioning Task Tracking**. Monitor the progress of the workflow.



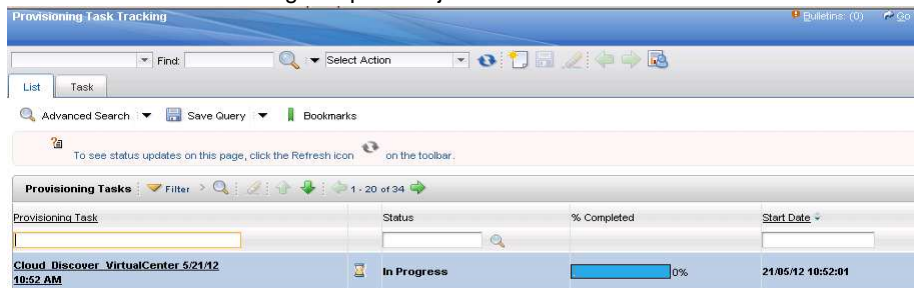
In order to monitor the progress of the workflow, click **Provisioning Task Tracking** from the Administration User Interface Start Center.

Tracking V7.2.2 cloud discovery workflow progress

Workflow Cloud_Discover_VirtualCenter is in progress.

This Cloud_Discover_VirtualCenter workflow discovers:

- All clusters are defined in the vCenter
- Information related to the data stores
- Information related to creating computer objects for each cluster



The screenshot shows the 'Provisioning Task Tracking' interface. At the top, there is a search bar with 'Find:' and a 'Select Action' dropdown. Below this are buttons for 'List' and 'Task'. A notification bar states: 'To see status updates on this page, click the Refresh icon on the toolbar.' The main table displays provisioning tasks. The first task is 'Cloud_Discover_VirtualCenter 5/21/12 10:52 AM', which is 'In Progress' with a progress bar at 0% completion, starting on '21/05/12 10:52:01'.

Provisioning_Task	Status	% Completed	Start Date
Cloud_Discover_VirtualCenter 5/21/12 10:52 AM	In Progress	0%	21/05/12 10:52:01

Verify that the workflow Cloud Discovery Virtual Center is in progress.

Monitoring with V7.2.2 provisioning task tracking

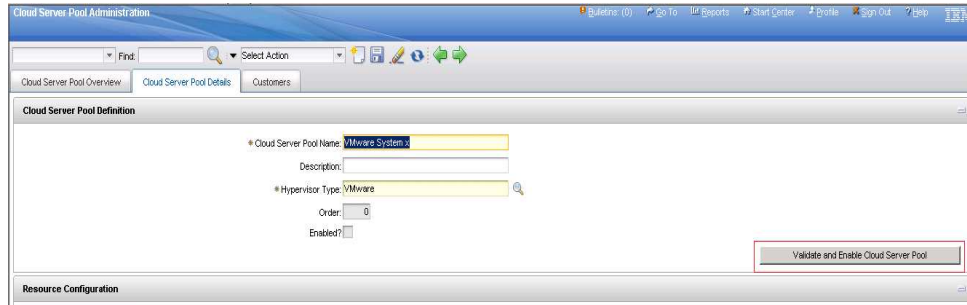
Wait for the Cloud_Discover_VirtualCenter workflow to complete

Provisioning Task	Status	% Completed	Start Date
Cloud_Discover_VirtualCenter 5/21/12 10:52 AM	Success	100%	21/05/12 10:52:01

Monitor Provisioning Task Tracking until the workflow completes. The Virtual Center Discovery attaches all clusters in a virtual center to the current resource pool. This aligns Tivoli Service Automation Manager with VCenter resources.

Run V7.2.2 virtual center discovery

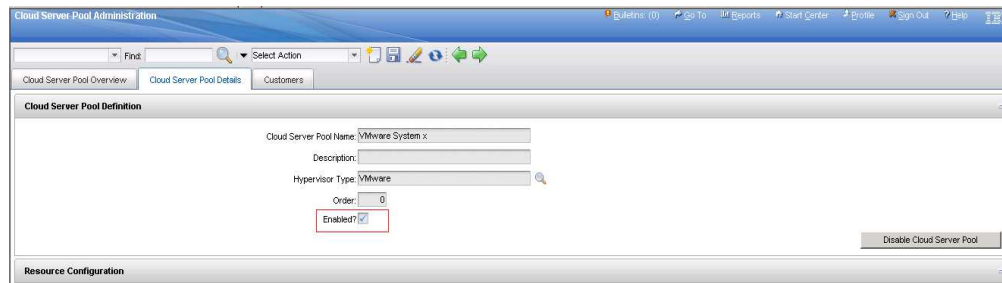
Remember to enable the cloud server pool again by clicking **Validate and Enable Cloud Server Pool** in the cloud server pool administration panel



Run the Virtual Center Discovery. Do not forget to again enable the Cloud Server Pool. Go to the Cloud Server Pool Administration pane. Click **Validate and Enable Cloud Server Pool**.

Validate and enable V7.2.2 cloud server pool

Click **Validate and Enable Cloud Server Pool** in the cloud server pool administration panel.
Select the **Enabled** check box



Select the **Enabled** check box again.

Summary

Now that you finished this training module, you can accomplish these tasks:

- Run a virtual center discovery in Tivoli Service Automation Manager V7.2.1
- Run a virtual center discovery in Tivoli Service Automation Manager V7.2.2

Now that you finished this training module, you can accomplish these tasks:

- Run a virtual center discovery in Tivoli Service Automation Manager V7.2.1
- Run a virtual center discovery in Tivoli Service Automation Manager V7.2.2

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