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**Enterprise Manager Cloud Control 12c Release 1
(12.1.0.1)**

Agent Deployment

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Agenda

- Various Agent Deployment Methods
 - ❖ 11g Vs 12.1
- Agent Push Application (Add Host Targets Wizard)
 - ❖ What's new in 12.1
 - ❖ Requirements
 - ❖ Key customer Use cases
 - ❖ Demo
 - ❖ Log files and Troubleshoot
 - ❖ Q&A
- Agent Cloning/ Shared Agent (Add Host Targets Wizard)
 - ❖ What's new in 12.1
 - ❖ Demo
 - ❖ Q&A
- Add Host Results

Various Agent Installation Methods

Agent Deployment Method	11g	EM 12.1
Agent Push Application	<p>Yes</p> <p>Various Agent Install supported through this method:</p> <ol style="list-style-type: none"> 1.Fresh Install 2.Clone Agent 3.Shared Agent(NFS) 4.Agent Upgrade 	<p>Yes (called as add host wizard)</p> <p>Various Agent Install supported through this method:</p> <ol style="list-style-type: none"> 1.Fresh Install 2.Clone Agent 3.Shared Agent(NFS) 4.Agent Upgrade (not supported and is done via upgrade console)
Using Response File (Silent Agent Install)	Yes	<p>Yes, Done into 2 parts:</p> <ol style="list-style-type: none"> 1.Login to emcli in OMS home to get the agent image 2.Unzip the image to install the agent using agentDeploy.sh with the response file from target box
Using agentDownload Script (Agent Pull)	Yes	<p>Yes, Done in 2 parts:</p> <ol style="list-style-type: none"> 1. Login to emcli in OMS home to get the agent image 2. Install the agent using agentDeploy.sh from target box
Agent Software only Configure later	No	Yes
RPM	No (available only for BMP/OVM customers)	Yes
NFS	Yes, GUI (Agent add host wizard) and command line(<code>nfsagentinstall</code>)	Yes, GUI (Agent add host wizard) and command line(<code>AgentNFS.pl</code>)

Same



ADD HOST TARGETS WIZARD (AGENT PUSH APPLICATION)

FRESH AGENT INSTALL

Add Host Targets Wizard- Agent Deployment Types

You can use the Agent Push application to deploy the EM 12.1 agent in following ways from EM 12.1 Console:

- **Fresh Agent Install**

Installs the vanilla version of the agent.

- **Clone Existing Agent**

Installs an agent using an existing source agent that is well tested and patched.

- **Shared Agent Install**

Installs an agent using an existing master agent that is installed on a NFS mounted drive.

Add Host Targets Wizard- **What's new in Enterprise Manager 12.1**

- Agent Push Wizard is also referred as Add Host Targets Wizard because it promotes an unmanaged host target to a managed one by installing an Management Agent on that host.
- **Oracle recommended way** to perform Mass agent Deployment
- Multi-platform agent deployment in a single deployment session
- Integrated with Discovery, Self Update and Named Credentials
- Sudo/Powerbroker or any privilege delegation tool integrated , user can input it in the console.
- Switch from SSH public key authentication (10g and 11g) to password based authentication (EM 12.1).

Add Host Targets Wizard- What's new in Enterprise Manager 12.1 (Cont ..1)

- Fine tuned Retry and Continue options in case of failure
- Simplified UI – Most of the inputs are auto computed(agent registration password, load balancer host port, virtual host name etc.)
- Per Host Status Tracking in case of Mass deployment
- Session Information persisted in database for tracking in future.
- Supports Locked account feature
- If you have 2 node RAC and want to install the agent then you have to install the standalone agents on both the nodes. In Add host targets wizard you will provide both the nodes and it will do the agent install

Add Host Targets Wizard -What's new in Enterprise Manager 12.1 (Cont ..2)

- Agent Securing (auto generated one time passwords) and Root scripts are run automatically by detecting privileges.
- Automatic Platform defaulting – if user is coming from discovery flow then we compute the platform based on the target discovery
- Approved patches can be pushed to the agent during initial deployment by placing the patches under \$OMS_HOME/install/oneoffs/
- Cause/Error/Recommendations provided in cause of failure
- Discovery and OH monitoring plugins are pushed with the agent

Add Host Targets Wizard - List of Remote Validations

- 1) Check if remote node is up and running
- 2) Check if the SSH daemon is up and running
- 3) Check if the username/password is valid.
- 4) Check if the SHELL PATH is valid
- 5) Check if any banner messages are present in the ssh channel
- 6) Install base directory is writable and empty
- 7) Instance base directory is writable and empty
- 8) Remote path are valid (scp, ssh, etc).
- 9) Umask is valid.
- 10) Remote tmp directory exists and is writable.
- 11) Check if preinstallation script and post installation is present and has execute permissions.
- 12) OS Compatibility checks (eg pushing 64 bit software on 32 bit Linux host)/
- 13) Source Agent (Clone) and Master Agent (NFS) are valid
- 14) Check if Privilege Delegation Tool exists and user has privileges to switch user.

Add Host Targets Wizard - List of Remote Prerequisites

- 1) Is the Oracle software certified on the current operating system?
- 2) Are the required software packages installed on the operating system?
- 3) Is the Oracle software compatible with the current operating system?
- 4) Is there sufficient disk space in the TEMP location?
- 5) Is there sufficient disk space in the inventory location?
- 6) Is the host name valid?
- 7) Is there a free port in the specified range?
- 8) Is the Oracle Inventory directory and its subdirectories writable ?
- 9) Is there any existing agent home on the host?
- 10) Is the installation base directory or the Oracle home of the Management Agent already registered with the inventory?
- 11) Can the host communicate with the OMS using HTTP(S)?
- 12) Does pdp binary exist on the host?
- 13) Does the install user have root privileges?

Add Host Targets Wizard - Requirements

- SSH daemon must run on the target host.
- SSH Vendors supported are OpenSSH and Tectia (certification in progress)
- Target host must be pingable from the OMS
- Cygwin 1.7 must be installed in case of Windows

Add Host Targets Wizard - **Key Customer Use-cases**

- **Locked Account**

You can give the named credential for **UserX** (username/password) and set RunAs in the named credentials as **oracle**(locked user account). Now the application will login to the remote host as **UserX** and perform the agent installation as **oracle**.

- **Using existing SSH public key Authentication:**

Some customers want to use an existing ssh public key authentication and don't want to expose any passwords . In this case they can give a dummy password in the named credentials and the application will use the underlying public key infrastructure to perform the agent install.

Add Host Targets Wizard - **Launch Point** from **EM 12.1 console**

➤ Direct

Setup → Add Target → Add Targets Manually → Add Host Targets → Add Host

➤ From Discovery

Setup → Add Target → Auto Discovery Results → Host Targets → Promote

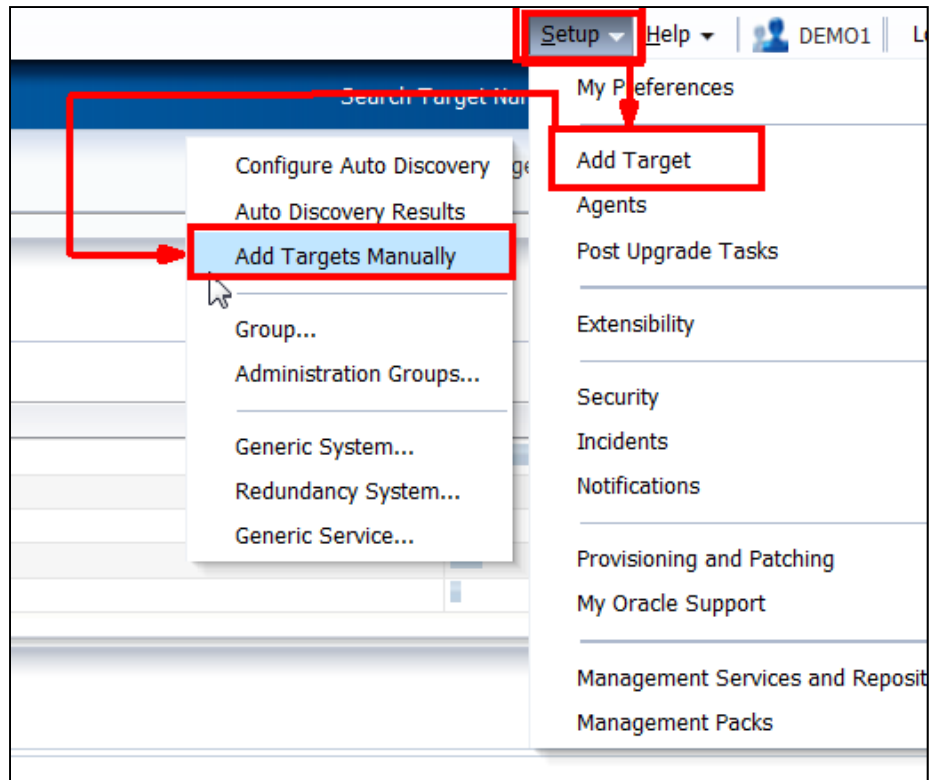


DEMO

**We will do a fresh EM 12.1 Agent Install
using the Add host wizard**

Step 1:

Click Setup -> Add Target -> Add Targets Manually



Step 2

- Select “Add Host Targets” and click “Add Host”

ORACLE Enterprise Manager Cloud Control 12c

Enterprise ▾ Targets ▾ Favorites ▾ History ▾

Add Targets Manually

Instruction

Add targets is a process that allows you to choose targets to be monitored and managed by Enterprise Manager. Use the following to configure the targets to be monitored.

```
graph LR; A[Configure Auto Discovery] --> B[Add Targets from Auto Discovery Results]; B --> C[Add Targets Manually or Using Guided Process]
```

Configure Auto Discovery

- Setup discovery using IP Scan
- Setup discovery on Single Host
- Setup discovery on Multiple Hosts

Add Targets from Auto Discovery Results

- Add Non-Host Targets
- Add Discovered Hosts
- Ignore Discovered Targets

Add Targets Manually or Using Guided Process

- Add Targets Manually
- Add Related Targets
- Use Discovery Modules

Add Targets Manually

Add Host Targets **1**

Add Non-Host Targets Using Guided Process (Also Adds Related Targets)

Add Non-Host Targets by Specifying Target Monitoring Properties

2

Step 3

- Click "Add" to add multiple target host. Click Next

ORACLE Enterprise Manager Cloud Control 12c

Add Target

Host and Platform Installation Details Review

Add Host Targets : Host and Platform

This wizard enables you to install Management Agents on unmanaged hosts, thereby converting them to managed hosts. Enter a session name, and validate (or add) the hosts.

* Session Name

Add Remove Load from File Add Discovered Hosts Platform Different for Each Host

Host	Platform

Click Add and specify the host and platform details.

ORACLE Enterprise Manager Cloud Control 12c Help

Add Target

Host and Platform Installation Details Review

Add Host Targets : Host and Platform

This wizard enables you to install Management Agents on unmanaged hosts, thereby converting them to managed hosts. Enter a session name, and validate (or add) the hosnagement Agent.

Back Step 1 of 3 Next Cancel


* Session Name

+ Add Remove Load from File Add Discovered Hosts Platform Different for Each Host

Host	Platform
adc2190921.us.oracle.com	Linux x86
adc2190511.us.oracle.com	Linux x86
slc00bbx.us.oracle.com	Linux x86-64

Step 4

- Select the row for the platform Linux x86-64 and fill out the mandatory details for the agent deployment



ORACLE Enterprise Manager Cloud Control 12c Help 

Add Target

Host and Platform **Installation Details** Review

Add Host Targets : Installation Details Back Step 2 of 3 Next Cancel


On this screen, select each row from the following table and provide the installation details in the Installation Details section.

Deployment Type			
Platform	Agent Software Version	Hosts	Mandatory Inputs
Linux x86-64	12.1.0.0.0	slc00bbx.us.oracle.com	
Linux x86	12.1.0.0.0	adc2190921.us.oracle.com, adc2190511.us.oracle.com	

Linux x86-64 : Installation Details

* Installation Base Directory

* Instance Directory

* Named Credential Select 

Privileged Delegation Setting

Fill out the mandatory details

Step 4: continued

- Once the details are provided then mandatory tag turns green

ORACLE Enterprise Manager Cloud Control 12c Help

Add Target

Host and Platform Installation Details Review

Add Host Targets : Installation Details

Back Step 2 of 3 Next Cancel

On this screen, select each row from the following table and provide the installation details in the Installation Details section.

Deployment Type			
Platform	Agent Software Version	Hosts	Mandatory Inputs
Linux x86-64	12.1.0.0.0	slc00bbx.us.oracle.com	
Linux x86	12.1.0.0.0	adc2190921.us.oracle.com, adc2190511.us.oracle.com	

Linux x86-64 : Installation Details

* Installation Base Directory

* Instance Directory

* Named Credential

Privileged Delegation Setting

Step 5

- Select the second row for the platform “Linux x86” and provide the mandatory inputs. Once inputs are provided the mandatory tag will turn green

ORACLE Enterprise Manager Cloud Control 12c Help

Add Target

Host and Platform Installation Details Review

Back Step 2 of 3 Next Cancel

Add Host Targets : Installation Details

On this screen, select each row from the following table and provide the installation details in the Installation Details section.

Deployment Type			
Platform	Agent Software Version	Hosts	Mandatory Inputs
Linux x86-64	12.1.0.0.0	slc00bbx.us.oracle.com	
Linux x86	12.1.0.0.0	adc2190921.us.oracle.com, adc2190511.us.oracle.com	

Linux x86 : Installation Details

* Installation Base Directory

* Instance Directory

* Named Credential

Privileged Delegation Setting

Step 6

- Once the mandatory inputs are provided for all the platforms click Next

ORACLE Enterprise Manager Cloud Control 12c Help

Add Target

Host and Platform Installation Details Review

Back Step 2 of 3 **Next** Cancel

On this screen, select each row from the following table and provide the installation details in the Installation Details section.

Deployment Type			
Platform	Agent Software Version	Hosts	Mandatory Inputs
Linux x86-64	12.1.0.0.0	slc00bbx.us.oracle.com	
Linux x86	12.1.0.0.0	adc2190921.us.oracle.com, adc2190511.us.oracle.com	

Linux x86 : Installation Details

* Installation Base Directory

* Instance Directory

* Named Credential

Privileged Delegation Setting

Step 7

- Review the details per platform wise and click “Deploy Agent”

ORACLE Enterprise Manager Cloud Control 12c Help

Add Target

Host and Platform Installation Details **Review**

Add Host Targets : Review Back Step 3 of 3 Next **Deploy Agent** Cancel

Review the details you have provided for this deployment session and click Deploy Agent.

Session Name ADD_HOST_DEMO1_Sep_14_2011_3:20:35_PM_PDT
Deployment Type Fresh Agent Install
OMS Host cloudcontrol.oraclecorp.com
OMS Upload Port 4900

Host Information

Linux x86-64

Hosts	slc00bbx.us.oracle.com
Agent Software Version	12.1.0.0.0
Installation Base Directory	/scratch/testagent
Instance Directory	/scratch/testagent/agent_inst
Port	3872
Named Credential	HOST-ORACLE:SYSMAN
Privileged Delegation Setting	/usr/local/bin/sudo -u %RUNAS% %COMMAND%
Preinstallation Script	Not Provided
Postinstallation Script	Not Provided
Additional Parameters	Not Provided

Linux x86

...	adc2190921.us.oracle.com.
-----	---------------------------

Step 8

- The agent deployment has started and you can monitor the progress.

The screenshot displays the Oracle Enterprise Manager Cloud Control 12c interface. The top navigation bar includes 'Enterprise', 'Targets', 'Favorites', and 'History' menus, along with a search bar for target names. The main content area is titled 'Add Host Status' and shows a progress indicator for 'Initialization in Progress'. A table below provides a summary of agent deployment for three hosts, with columns for Platform, Host, Initialization, Remote Prerequisite Check, and Agent Deployment. Each cell in the table contains a blue progress indicator. Below the table, the 'Agent Deployment Details' for the host 'slc00bbx.us.oracle.com' are shown, including 'Initialization Details' and a checkbox for 'Show only warnings and failures'.

ORACLE Enterprise Manager Cloud Control 12c

Setup Help DEMO1 Log Out

Enterprise Targets Favorites History Search Target Name

Add Host Status Page Refreshed Sep 14, 2011 3:55:38 PM PDT

Initialization in Progress Refresh Frequency 30 seconds Refresh

Agent Deployment Summary : ADD_HOST_DEM01_Sep_14_2011_3:20:35_PM_PDT

Platform	Host	Initialization	Remote Prerequisite Check	Agent Deployment
Linux x86-64				
Linux x86-64	slc00bbx.us.oracle.com	●	●	●
Linux x86				
Linux x86	adc2190921.us.oracle.com	●	●	●
Linux x86	adc2190511.us.oracle.com	●	●	●

Agent Deployment Details : slc00bbx.us.oracle.com

Initialization Details

OMS Log Not Available

Location

Show only warnings and failures

Step 9

- In case of failure you will get the detailed error message and options to retry or continue based on the error encountered

ORACLE Enterprise Manager Cloud Control 12c

Enterprise Targets Favorites History Search Target Name

Add Host Status Page Refreshed Sep 14, 2011 3:55:38 P

Initialization Failed

Agent Deployment Summary : ADD_HOST_DEMO1_Sep_14_2011_3:20:35_PM_PDT

Agent Deployment Details : slc00bbx.us.oracle.com

Initialization Details

OMS Log Location /u01/home/em12.1/oms/sysman/prov/agentpush/2011-09-14_15-20-35-PM/applogs/slc00bbx.us.oracle.com_deploy.log

Show only warnings and failures

Initialization Phase Name	Status	Error	Cause	Recommendation
Remote Validations	✖	User authentication failed	Either the provided user name and password are incorrect, or password authentication is disabled for the sshd daemon on the remote host.	Ensure the provided user name and password are correct. Ensure that the property PasswordAuthentication is set to 'yes' in the SSHD configuration file (sshd_config) on the remote host.
Transferring Agent Software to Destination Host	●			

Add Host Targets Wizard - **Trouble Shooting**

- Precise cause, error and recommendation of failure is shown in the progress page.
- Log locations are also shown in the progress page.
- Log Locations

```
$ORACLE_HOME/sysman/prov/agentpush/<time-stamp-dir> /*  
$ORACLE_HOME/sysman/prov/agentpush/logs/*
```

Detail info about each log file and their purpose is documented in the install guide.



Add Host Targets Wizard (Agent Push Application)

Clone/Shared Agent

Clone/Shared Agent - What's new in EM

12.1

- You can select existing up and running EM 12.1 agent as the source for the cloning.
- The wizard take care of creating source agent image as opposed to user creating the source image in 10/11GC.
- User can select an existing master agent for the shared install as opposed to providing master agent location in 10/11G.

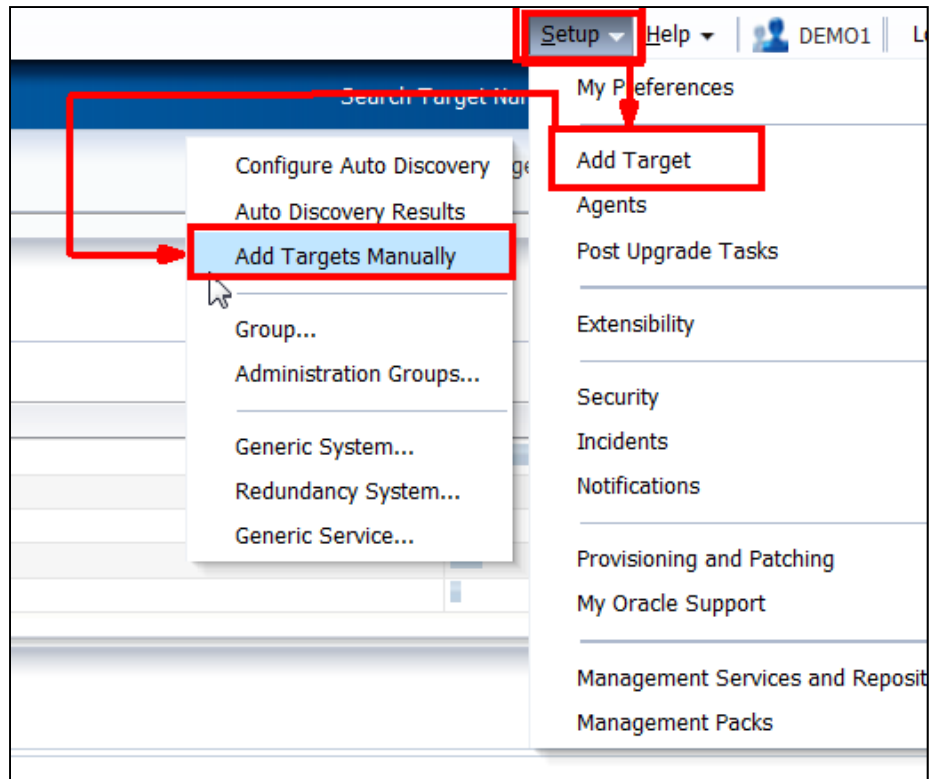


DEMO

**We will clone an existing EM 12.1 Agent
from Add Host Targets Wizard**

Step 1

Click Setup -> Add Target -> Add Targets Manually



Step 2

- Select “Add Host Targets” and click “Add Host”

ORACLE Enterprise Manager Cloud Control 12c

Enterprise ▾ Targets ▾ Favorites ▾ History ▾

Add Targets Manually

Instruction

Add targets is a process that allows you to choose targets to be monitored and managed by Enterprise Manager. Use the following to configure the targets to be monitored.

```
graph LR; A[Configure Auto Discovery] --> B[Add Targets from Auto Discovery Results]; B --> C[Add Targets Manually or Using Guided Process];
```

Configure Auto Discovery

- Setup discovery using IP Scan
- Setup discovery on Single Host
- Setup discovery on Multiple Hosts

Add Targets from Auto Discovery Results

- Add Non-Host Targets
- Add Discovered Hosts
- Ignore Discovered Targets

Add Targets Manually or Using Guided Process

- Add Targets Manually
- Add Related Targets
- Use Discovery Modules

Add Targets Manually

Add Host Targets **1**

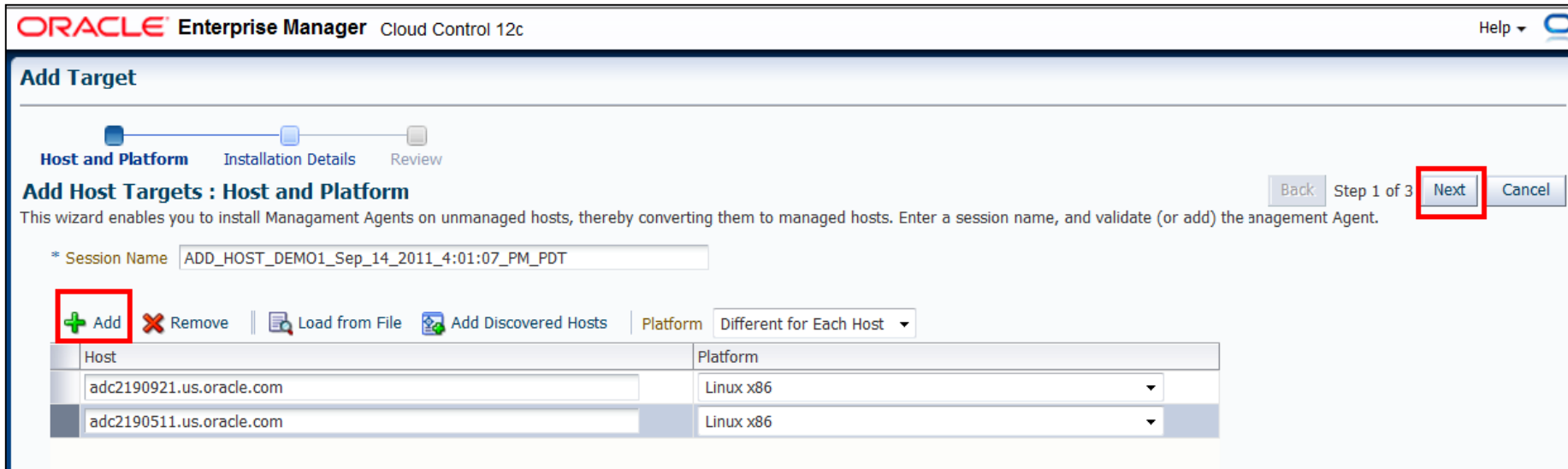
Add Non-Host Targets Using Guided Process (Also Adds Related Targets)

Add Non-Host Targets by Specifying Target Monitoring Properties

2

Step 3

- Click “Add” to add multiple target host. Click Next



ORACLE Enterprise Manager Cloud Control 12c Help

Add Target

Host and Platform Installation Details Review

Add Host Targets : Host and Platform

Back Step 1 of 3 Next Cancel

This wizard enables you to install Management Agents on unmanaged hosts, thereby converting them to managed hosts. Enter a session name, and validate (or add) the anagement Agent.

* Session Name

| | Platform

Host	Platform
<input type="text" value="adc2190921.us.oracle.com"/>	<input type="text" value="Linux x86"/>
<input type="text" value="adc2190511.us.oracle.com"/>	<input type="text" value="Linux x86"/>

Step 4

- Expand the Deployment types to select the option "Clone Existing Agent"

ORACLE Enterprise Manager Cloud Control 12c Help

Add Target

Host and Platform Installation Details Review

Add Host Targets : Installation Details

Back Step 2 of 3 Next Cancel

On this screen, select each row from the following table and provide the installation details in the Installation Details section.

> Deployment Type

Platform	Agent Software Version	Hosts	Mandatory Inputs
Linux x86	12.1.0.0.0	adc2190921.us.oracle.com, adc2190511.us.oracle.com	

ORACLE Enterprise Manager Cloud Control 12c Help

Add Target

Host and Platform Installation Details Review

Add Host Targets : Installation Details

Back Step 2 of 3 Next Cancel

On this screen, select each row from the following table and provide the installation details in the Installation Details section.

Deployment Type

Select the type of deployment you want to perform.

Fresh Agent Install

Clone Existing Agent

Select Target

Add Host to Shared Agent

Platform	Agent Software Version	Hosts	Mandatory Inputs
Linux x86	12.1.0.0.0	adc2190921.us.oracle.com, adc2190511.us.oracle.com	

Step 5

- Select the source Agent and fill out the mandatory inputs. Click Next

ORACLE Enterprise Manager Cloud Control 12c Help

Add Target

Host and Platform | **Installation Details** | Review

Back Step 2 of 3 Next Cancel

Add Host Targets : Installation Details

On this screen, select each row from the following table and provide the installation details in the Installation Details section.

Deployment Type
Select the type of deployment you want to perform.

Fresh Agent Install

Clone Existing Agent
Select Target:

Add Host to Shared Agent

Platform	Agent Software Version	Hosts	Mandatory Inputs
Linux x86	12.1.0.0.0	adc2190921.us.oracle.com, adc2190511.us.oracle.com	

Linux x86 : Installation Details

* Installation Base Directory

* Instance Directory

* Named Credential +

Privileged Delegation Setting

Step 6

- Review the details and click "Deploy Agent"

ORACLE Enterprise Manager Cloud Control 12c Help

Add Target

Host and Platform Installation Details **Review**

Add Host Targets : Review Back Step 3 of 3 Next **Deploy Agent** Cancel

Review the details you have provided for this deployment session and click Deploy Agent.

Session Name ADD_HOST_DEMO1_Sep_14_2011_4:01:07_PM_PDT
Deployment Type Clone Existing Agent
OMS Host cloudcontrol.oraclecorp.com
OMS Upload Port 4900
Source Agent adc2101112.us.oracle.com:1830
Target
Source Agent Home /scratch/afulay/agentcc/core/12.1.0.0.0

Host Information

Linux x86

Hosts	adc2190921.us.oracle.com, adc2190511.us.oracle.com
Agent Software Version	12.1.0.0.0
Installation Base Directory	/scratch/testagent
Instance Directory	/scratch/testagent/agent_inst
Port	3872
Named Credential	HOST-ORACLE:SYSMAN
Privileged Delegation Setting	/usr/local/bin/sudo -u %RUNAS% %COMMAND%
Preinstallation Script	Not Provided
Postinstallation Script	Not Provided
Additional Parameters	Not Provided



Add Host Targets Wizard (Agent Push Application)

Add Host Results : How to view the previous agent deployment sessions

Add Host Targets Wizard- Add Host Results

(Track the agent deployment sessions)

- Add Host Results page is used for tracking ongoing or completed agent deployment sessions.
- Launch Point
Setup → Add Target → Add Targets Manually → Add Host Targets → Add Host Results
- Has a detailed Query panel to filter the Add Host Results.
- View the details of a particular session by clicking on session name.
- Can retry or continue a failed session at any time in the future.

Add Host Targets Wizard- Self Update

- By default the OMS contains only the agent software of the OMS platform.
- To push an Agent to a platform different from the OMS platform, the agent software has to be downloaded from Self Update
- Download can be done from Self Update in two ways:
 - Online Connection Mode
 - Automatically downloads the Agent Software updates from MOS
 - Offline Connection Mode
 - Manually download and upload the Catalog for Agent Software from MOS
 - Manually download and upload each platform Agent Software update from MOS

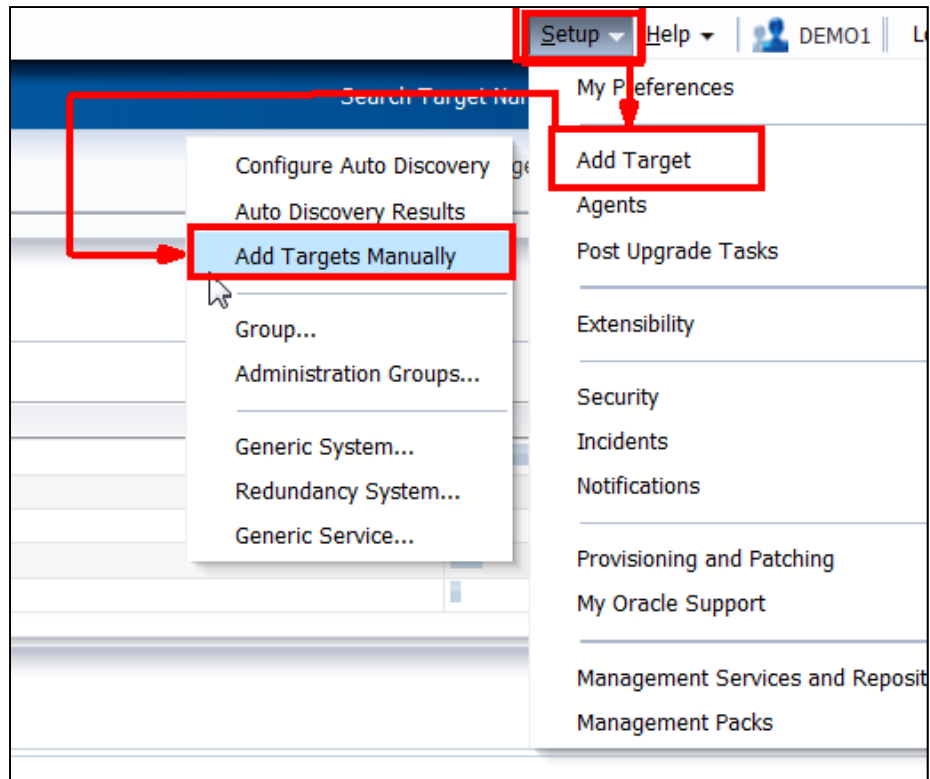


DEMO

Add Host Results : How to view the previous agent deployment sessions

Step 1

Click Setup -> Add Target -> Add Targets Manually



Step 2

- Select “Add Host Targets” and click “Add Host Results”

ORACLE Enterprise Manager Cloud Control 12c

Enterprise ▾ Targets ▾ Favorites ▾ History ▾

Add Targets Manually

✓ **Instruction**

Add targets is a process that allows you to choose targets to be monitored and managed by Enterprise Manager. Use the following to configure the targets to be monitored.

```
graph LR; A[Configure Auto Discovery] --> B[Add Targets from Auto Discovery Results]; B --> C[Add Targets Manually or Using Guided Process]
```

Configure Auto Discovery

- Setup discovery using IP Scan
- Setup discovery on Single Host
- Setup discovery on Multiple Hosts

Add Targets from Auto Discovery Results

- Add Non-Host Targets
- Add Discovered Hosts
- Ignore Discovered Targets

Add Targets Manually or Using Guided Process

- Add Targets Manually
- Add Related Targets
- Use Discovery Modules

Add Targets Manually

Add Host Targets **2**

Add Non-Host Targets Using Guided Process (Also Adds Related Targets)

Add Non-Host Targets by Specifying Target Monitoring Properties

Add Host ...

Add Host Results **2**

Step 3

- You can search the previous deployment sessions
- Various search options are available like search based on deployment type, session name, session date/time

ORACLE Enterprise Manager Cloud Control 12c

Enterprise Targets Favorites History Search

Add Host Results

Search

Match All Any

Session Date Between [] - []

Session Name []

Deployment Type **ALL**

Host []

Deployment Type dropdown options:

- ALL
- FRESH_AGENT_INSTALL
- CLONE_AGENT_INSTALL
- SHARED_AGENT_INSTALL

Search Results

Session Name	Session Date	Deployment Type	Host	Initialization Status
ADD_HOST_DEMO1_Sep_14_2011_3:20:35_PM_PDT	2011-09-14	FRESH_AGENT_INSTALL	slc00bbx.us.oracle.com,adc2190511.us....	✘
ADD_HOST_VESRINIV_Sep_14_2011_9:35:44_AM_PDT	2011-09-14	FRESH_AGENT_INSTALL	emgc-amp41.us.oracle.com	✔
ADD_HOST_VESRINIV_Sep_14_2011_9:13:48_AM_PDT	2011-09-14	FRESH_AGENT_INSTALL	emgc-amp51.us.oracle.com	✔
ADD_HOST_ANKURGUP_Sep_14_2011_3:45:25_AM_PDT	2011-09-14	FRESH_AGENT_INSTALL	slc00dey.us.oracle.com	✔
ADD_HOST_GCHAWKIN_Sep_12_2011_11:41:09_AM_...	2011-09-12	FRESH_AGENT_INSTALL	slc-console1-dhcp38.us.oracle.com,slc-console1-dhcp54.us.oracle.com,slc-console1-dhcp92.us.oracle.com,slc-console1-dhcp95.us.oracle.com	✔
			slc-console1-dhcp12.us.oracle.com,slc-console1-dhcn18.us.oracle.com,slc-	✔

Documentation and Help

- Always refer to the Agent Deployment section from the EM 12.1 Install guide available on OTN:

<http://www.oracle.com/technetwork/indexes/documentation/index.html#em>

- Post your queries on Install forum for any help:

<http://myforums.oracle.com/jive3/forum.jspa;jsessionid=8a01b91e30dc54e9d3d2878542859196b34aadeed060.e3mNb38NcheTe3mMbhiQa38Sb40?forumID=4137&start=0>

- Installation and Upgrade collateral page on OTN

<http://www.oracle.com/technetwork/oem/install-upgrade-496677.html>