

Administration and Installation Guide v12.1.0.3.0

Symantec VCS

MONITORING PLUG-IN FOR ORACLE ENTERPRISE MANAGER

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Prerequisites

- Oracle Enterprise Manager 12c R3 or above
- The agent side host should be an EM supported Linux 32 or 64 bit platform, or SPARC Solaris.
- An Oracle EM 12.1.0.3.0 or higher agent deployment is required on each VCS host. This should be local to the VCS installation.
- Access should be given to the agent OS user to run VCS ha* commands. These can either be enabled directly, through a privilege control mechanism (such as sudo), or through a dedicated VCS user account, authenticating through halogin. This is used by EM to remotely monitor the target, discover targets and perform component control operations.

Plug-in installation (OMS	Plug	-in	insta	llation	(OMS
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The plug-in should be installed into the EM environment using emcli.

Following download of the opar file from http://www.aidev.uk please import using the following command as SYSMAN:

emcli import_update -file={full path to opar file} -omslocal

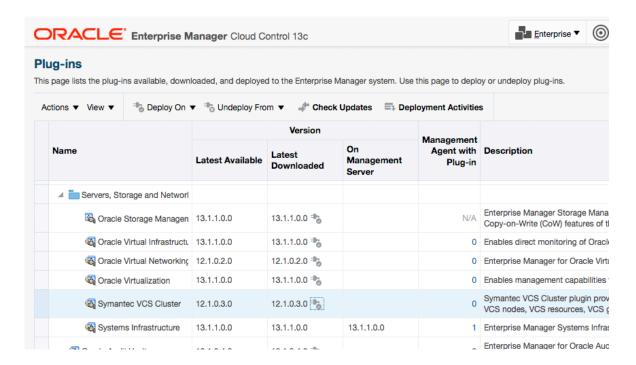
This imports the plug-in into the EM environment and makes it visible within the EM console

eg:

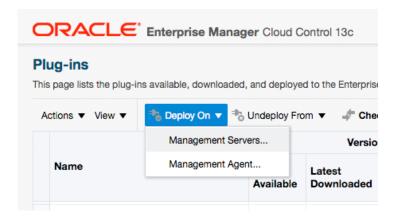
\$ emcli import_update -file=/home/oracle/12.1.0.3.0_aidev.vcs.xvcs_2000_0.opar -omslocal
Processing update: Plug-in - Aidev VCS system monitoring plugin for Oracle Enterprise Manager
Successfully uploaded the update to Enterprise Manager. Use the Self Update Console to manage this update.

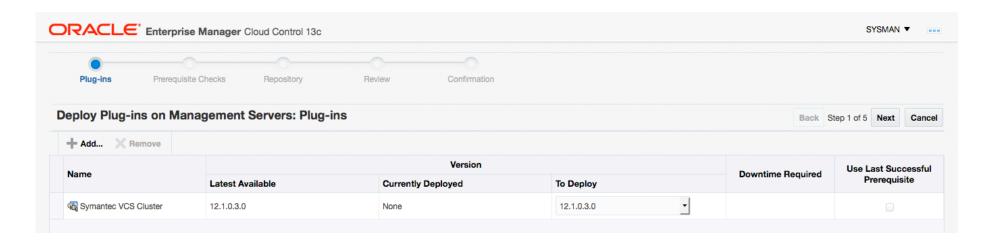
Within Oracle Enterprise Manager, deploy the plug-in.

Navigate to "Setup", "Extensibility", "Plugins" then expand the "Servers, Storage and Network" section: Select the Symantec VCS Cluster plugin.



left click on "Deploy on" then "Management Servers"

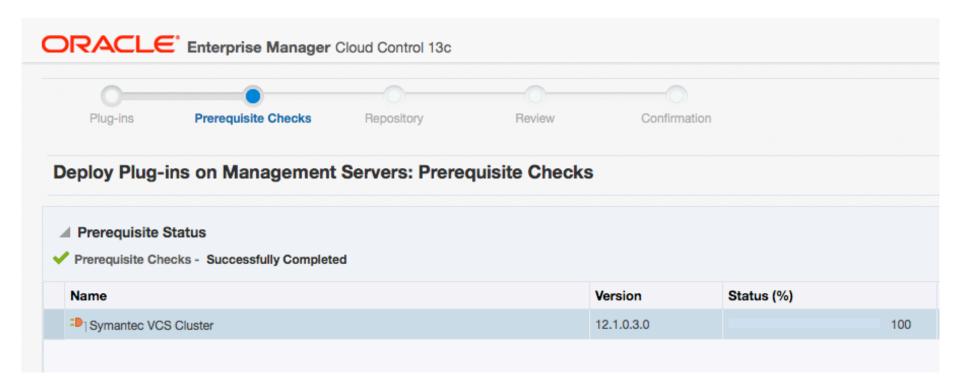




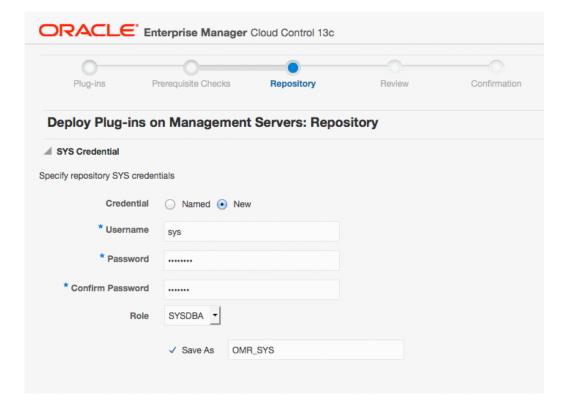
Ensure the correct version is shown

Click Next

ensure the prerequisites succeed then click "Next"



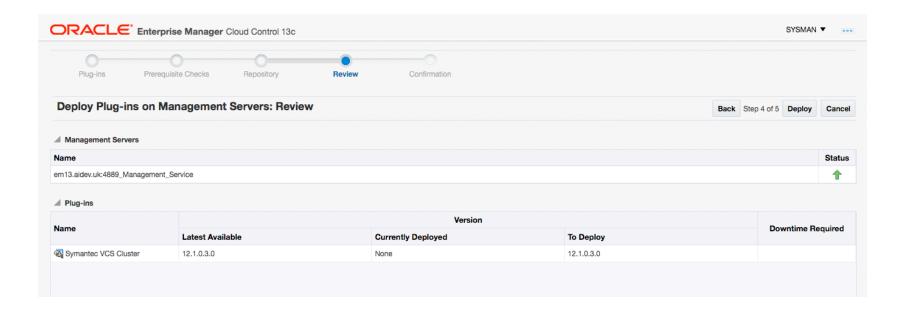
Enter the repository SYS password or use an existing named credential Click Next



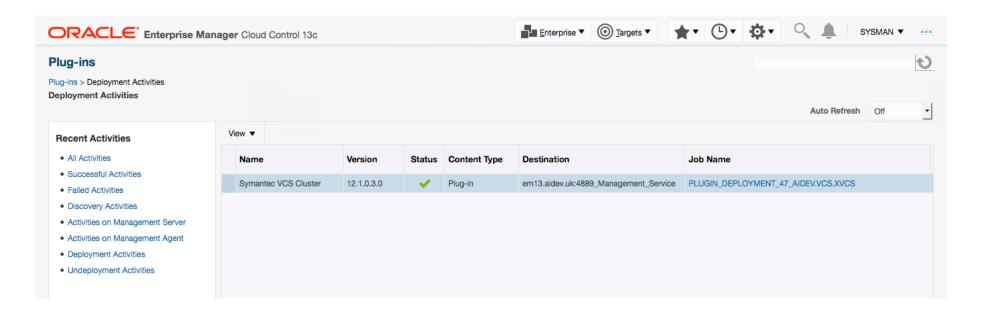
Review the information shown

If all is correct, click Deploy

NB. No outage is required for this operation



after a few minutes, this should succeed:

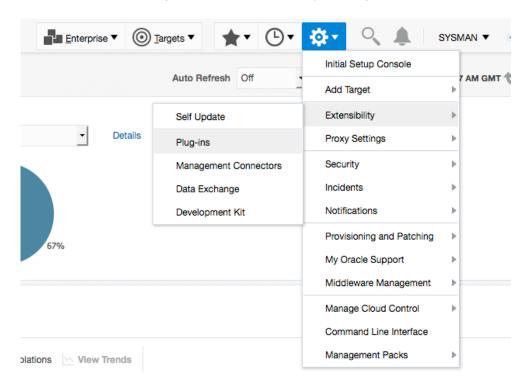


Plug-in installation (Agent)

Each monitoring agent requires the VCS plugin to be deployed to it before it can monitor VCS targets.

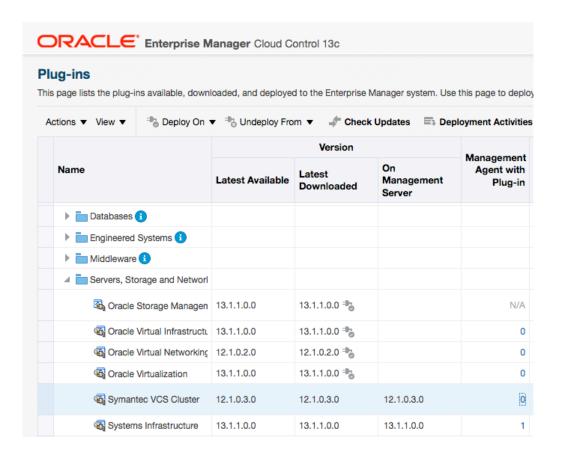
This should be undertaken prior to adding targets.

From the EM homepage, Setup -> Extensibility -> Plugins

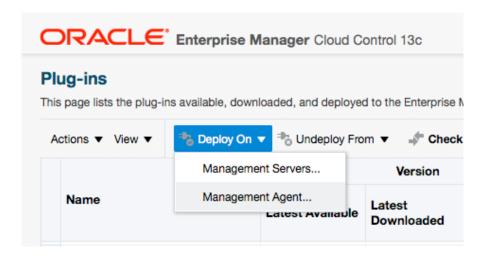


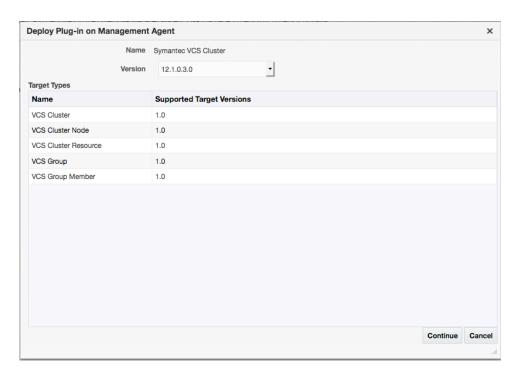
expand the "Servers, Storage and Network" section:

Select the Symantec VCS Cluster plugin.



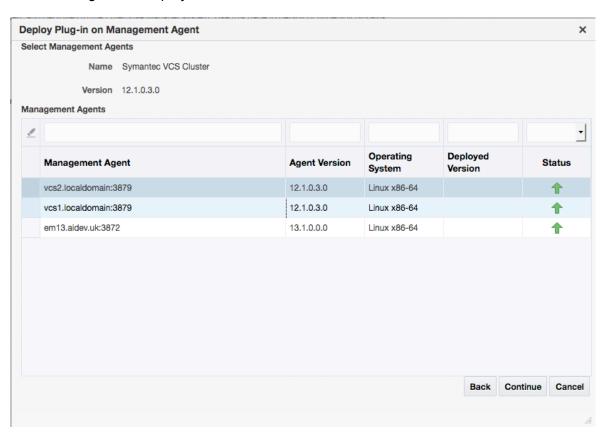
Select Deploy On -> Management Agent



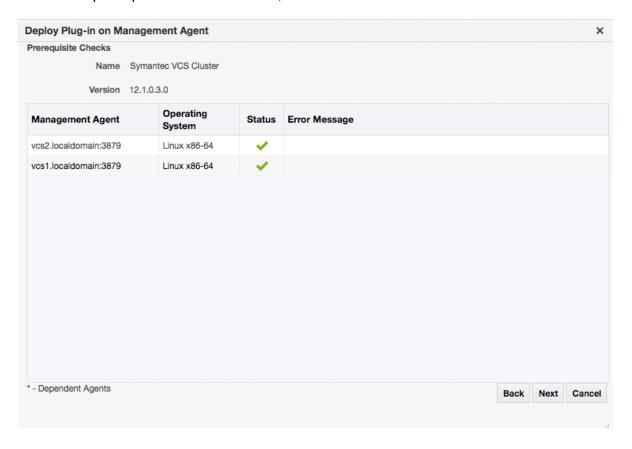


Click Continue

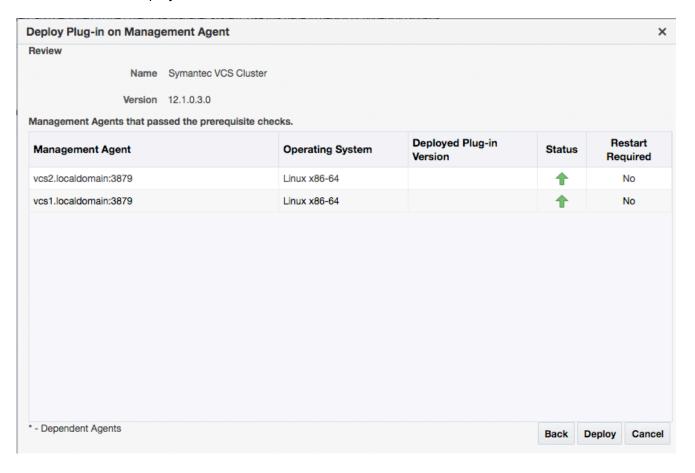
Select the agents to deploy to, click Continue



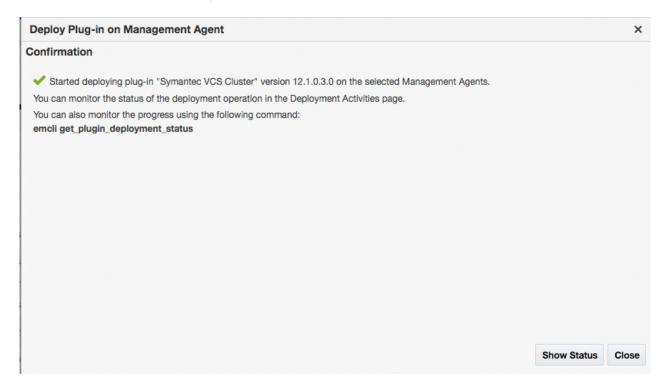
Ensure the prerequisite checks succeed, click Next



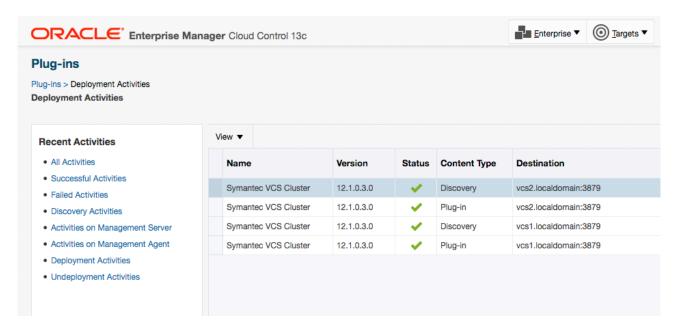
Review and click Deploy:



Click Show Status to see the job:



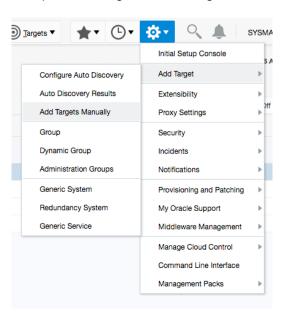
This should complete after a period of time:



Target Addition

Targets are added from the EM user interface.

Setup->Add Target-> Add Targets Manually



Choose Add Using Guided Process:

Add Non-Host Targets Using Guided Process

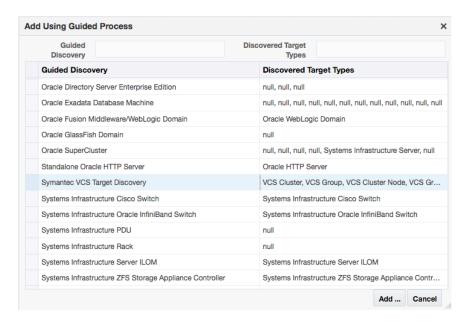


Add Using Guided Process

Run guided discovery on a host to find manageable targets. Choose to promote some or all discovered targets to become managed.

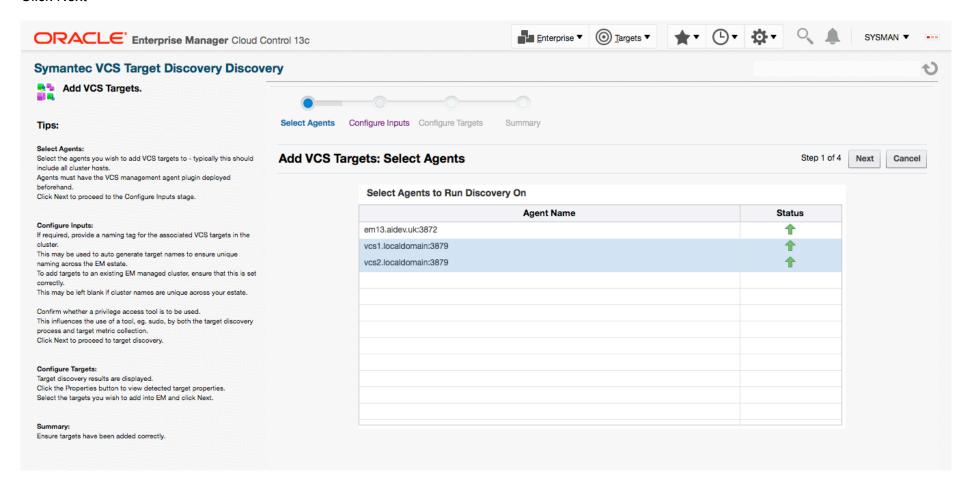
Select Symantec VCS Discovery

Click Add



Select the agents to add targets to

Click Next

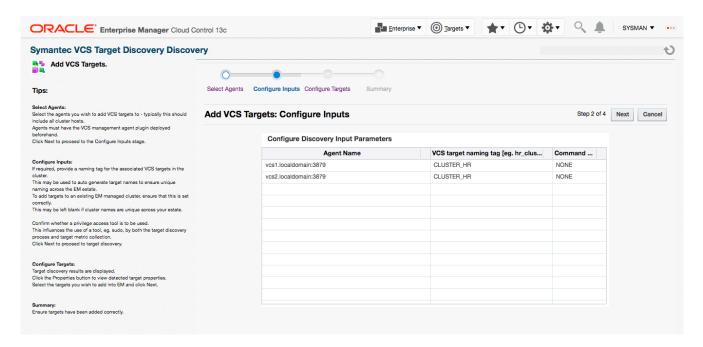


Enter a naming tag for the cluster – this will be included in the target names and used to group targets together (in this example we use CLUSTER_HR)

Enter a Command Prefix if access to run the /opt/VRTSvcs/bin binaries uses an additional access mechanism, for example sudo.

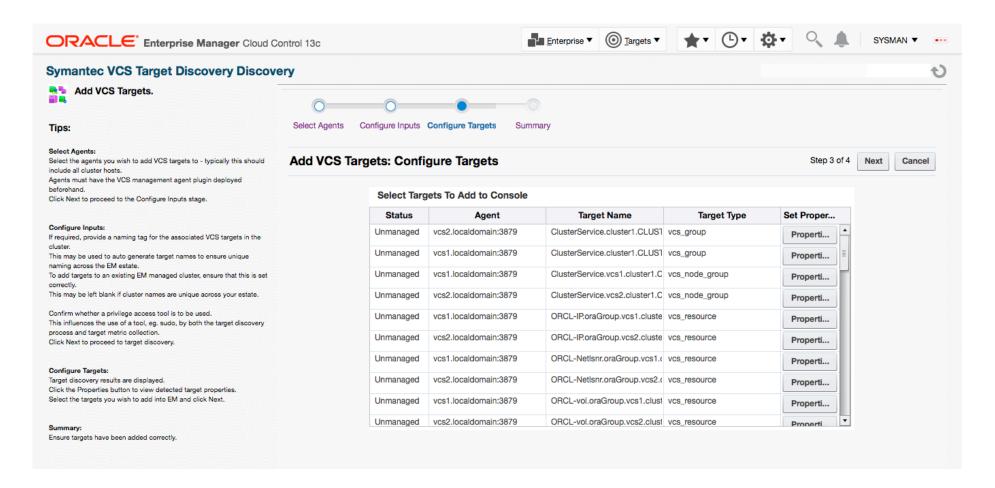
Leave as NONE if direct access is permitted.

Click Next



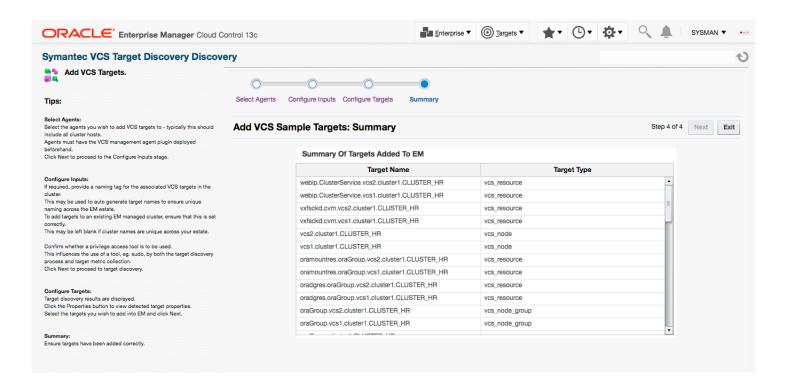
Targets will be discovered and displayed.

Please select all targets in the table, then click Next

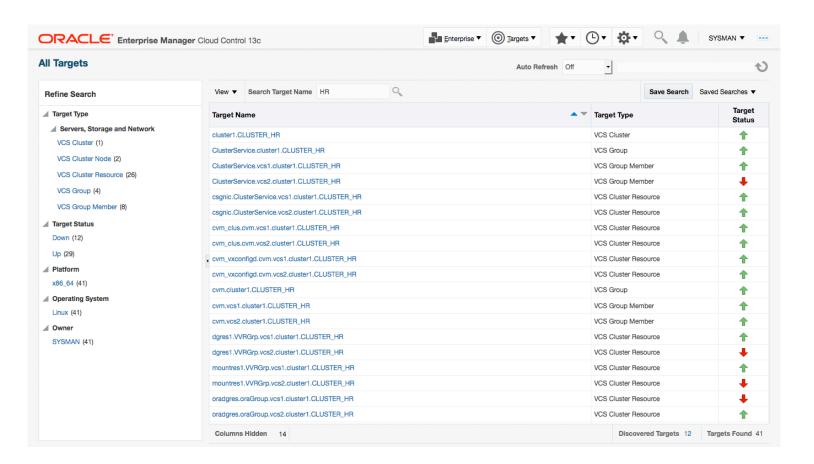


Targets will be added

Click Exit



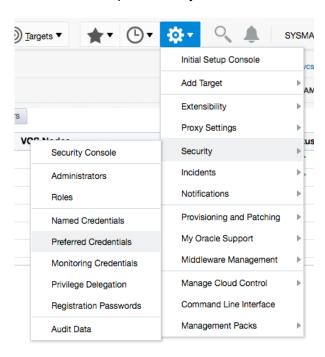
Targets should now be visible:



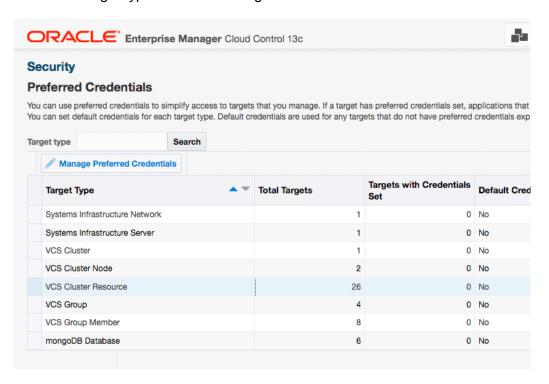
Setting OS credentials

To be able to control VCS components from with EM, OS credentials are required for each target.

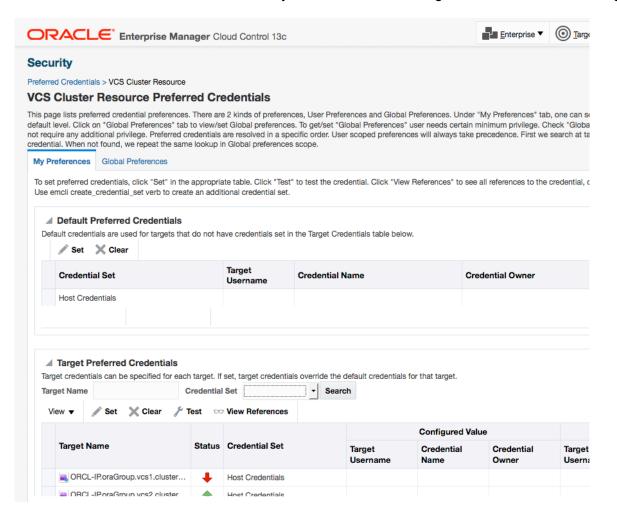
To do this, Setup-> Security -> Preferred Credentials



Select the target type and then Manage Preferred Credentials

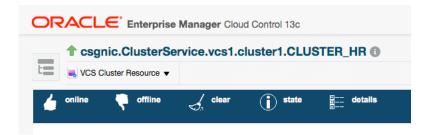


For the **Host Credentials** credential set, you can set for each target or as a default for all targets of this type:



Component Control

Components can be controlled from within the EM user interface.



A prerequisite of this functionality is the setting of Host Credentials for the target in question.

Additionally, the Command Prefix should be set correctly, and OS level execution of the ha command should be permitted for the agent OS user.

The agent side location of {agent base}/plugins/aidev.vcs.xvcs.agent.plugin_12.1.0.x.0/scripts holds the files that call the operation.

Please refer to mgo_ctl.sh for the commands that should be allowed.

OS Side Configuration issues

The majority of issues with metric collection or component control are a result of OS side configuration for the agent -> VCS calls.

Metric collection us controlled by {agent base}/plugins/aidev.vcs.xvcs.agent.plugin_12.1.0.x.0/scripts/vcs.sh

Target discovery is controlled by {agent base}/plugins/aidev.vcs.xvcs.discovery.plugin_12.1.0.x.0/discover_vcs.sh

Component operations are controlled by {agent base}/plugins/aidev.vcs.xvcs.agent.plugin_12.1.0.x.0/scripts/mgo_ctl.sh

Halogin access:

If you require use of halogin authentication, please edit the relevant script according to site standards. An example of a simple call to halogin is contained in each script.

Sudo access:

Sudo access can be controlled through Command Prefix property of a target. Alternatively the above scripts can be customised to site standards.

A example sudoers configuration is held at {agent base}/plugins/aidev.vcs.xvcs.agent.plugin_12.1.0.x.0/scripts

Please use this as a reference for the commands that require agent access to allow normal functionality.

aidev

NEED FURTHER INFORMATION? contact info@aidev.uk for more details on this product and how to join up with us.

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