How to gather DELL DSET report on an ESXi Host Server

Step by Step process :
1. Install Dell OpenManage agent on ESXi host
2. Install DSET collector on a remote system which can ping the ESXi Host.
3. Run DSET Collector from the remote System.
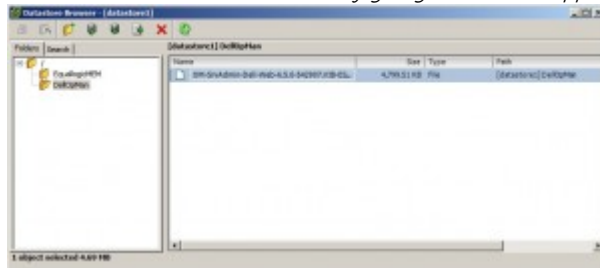
Install Dell OpenManage agent on ESXi host

ESXi 5.0

This method shows you how to install this using the vSphere CLI. You will need to have this installed on your PC/Server.
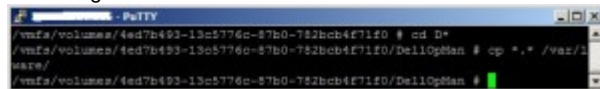You can download it here.
You can also install this using PowerCLI, via the VMA or using Virtual Centre.

- You will need to migrate/shutdown all VMs and put the host in **maintenance mode**.
- Using the datastore browser, copy the latest Dell Openmanage offline bundle file to the datastore (currently OM-SrvAdmin-Dell-Web-6.5.0-542907.VIB-ESX50i_A02.zip).
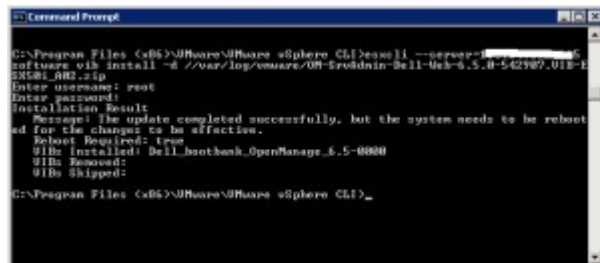 *Ps: You can find the latest version by going to the Dell Support site and entering the service tag of your dell server.*

- Then via either putty (you will need to have remote tech support mode enabled) or via the console, copy this file to /var/log/vmware

- Shutdown all VMs and put the host in maintenance mode.
- Then open the VI Client and run the command
  esxcli –server <ESXi host xxxxxxxxxIP> software vib install -d /var/log/vmware/<Dell OpenManage file>

- You will need to **reboot the server**.

ESXi 4.1

In the below example we are installing Dell Openmanage 6.3 onto ESXi 4.1.
OpenManage 6.4 has been released. I would recommend logging onto Dell.com and downloading the latest version.

Step 1 – Downloads
You will need to download and install the vSphere CLI
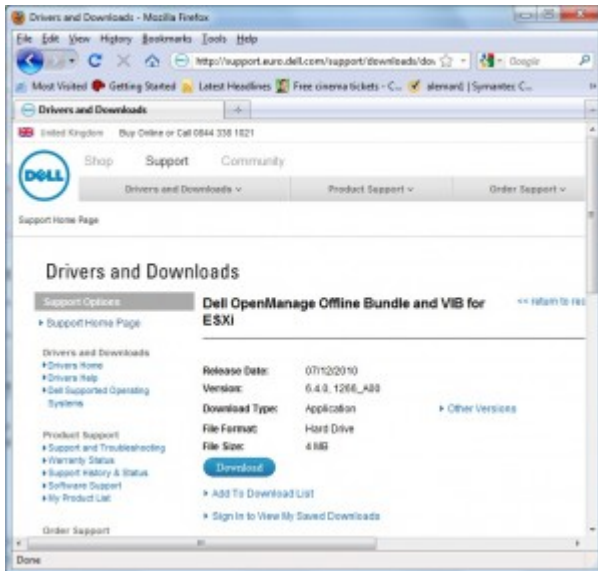http://www.vmware.com/support/developer/vcli/
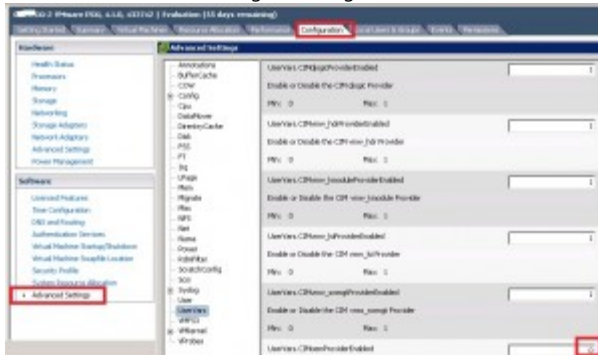You will also need to download the Dell OpenManage package for ESXi.
I would recommend checking each time you install this as Dell regularly update this.
Go to the Dell Website, Enter your Tag and get the downloads for ESXi.
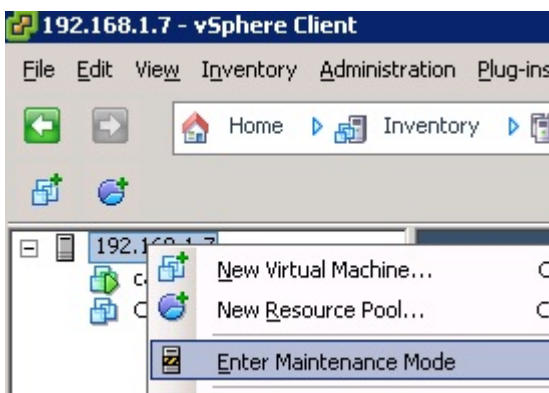*Note – there are different packages for ESXi 4.0 and ESXi 4.1*

You should also check that the OEM CIM provider setting is enabled (i.e. set to 1). You can do this in the vi client by going to the below setting in the vi client. If you have changed this value then you need to either **reboot the host** or **restart the management agents** for this change to apply.
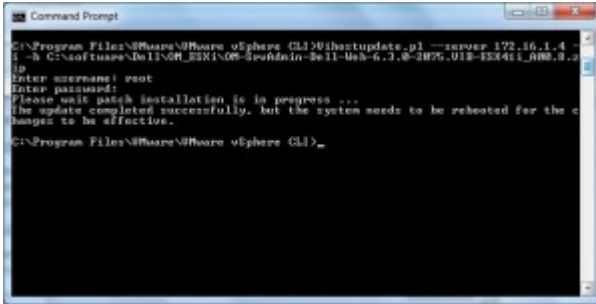You can restart the management agents from the ESXi console.

Step 2 – Install

Note – you will need to have the ESXi server in **maintenance mode**.

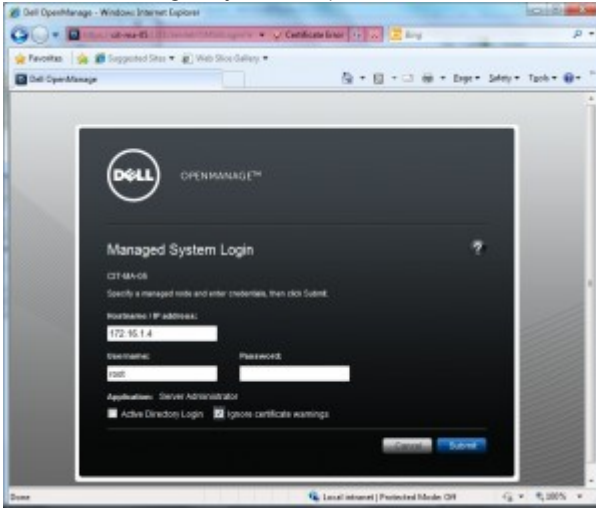This means all VMs must be shut down or migrated to another host...

Launch the vSphere CLI and enter the following command:
Vihostupdate.pl --server <your ESXI servers IP> -i -b <directory and filename of download>
(note the double — before server)
For example:

Step 3 – Download OpenManage Server Administrator (optional)
Again from the Dell website download the latest version of OpenManage Server Administrator. You will want to install this on the (windows) PC or Server you want to administer the ESXi server from.
Once installed (e.g. on your PC) open server administrator and logon to the ESXi server as shown below.

At the bottom should be a "manage remote node" option. Select this to connect to the ESXi host.

Install DSET collector

Source: http://Support.dell.com/dset
http://support.dell.com/support/edocs/SOFTWARE/dset/3.2/EN/ug/pdf/ug.pdf

Permanently Installing DSET and Generating Report on Windows Operating System
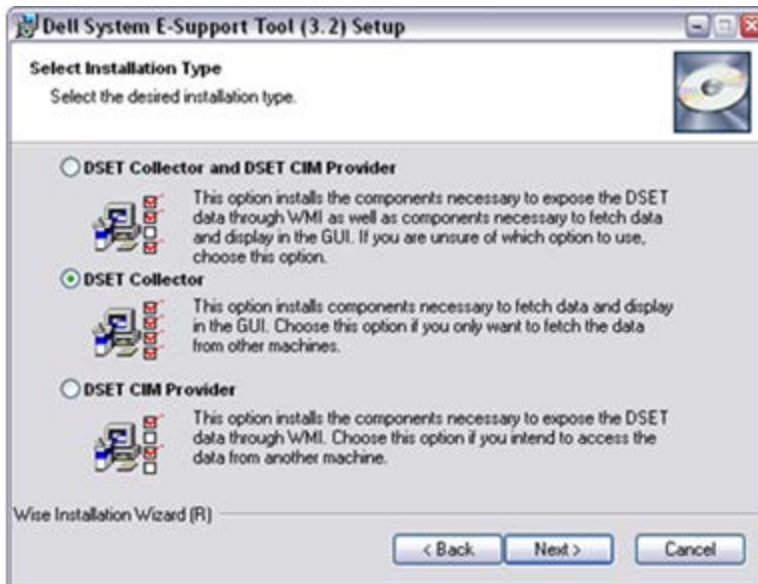
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Before installing DSET, make sure that the installation prerequisites are met.
For more information, see "Installation Prerequisite For Windows Operating System".

Using GUI For Windows Operating System
To permanently install DSET on Windows operating system:
1. Run the **Dell_DSET_(Version Number).exe** file.
   The **Welcome to the Dell System E-Support Tool (3.2) Installation Wizard** window is displayed.
2. Click **Next**.
   The **License Agreement** is displayed.
3. Select **I accept the license agreement** and click **Next.**
   The *Readme* Information is displayed.
4. Click **Next**.
   The **Installation Type** window is displayed.
5. Select **Install DSET Components** and click **Next**.
   The **Select Installation Type** window is displayed.
6. Select one of the following options and click **Next**:
   • DSET Collector and DSET CIM Provider (default)
   • DSET Collector
   • DSET CIM Provider

The **Destination Folder** window is displayed.

7. Click **Browse** and select the folder to install DSET or use the default location and click **Next.**
    The **User Information** window is displayed.
    NOTE: The default location for Windows (x86) systems is C:\Program Files\Dell and for Windows (x86_64) systems is C:\Program Files (x86)\Dell.
8. Enter the following:
    - F**ull Nam**e — Enter your full name.
    - **Organization** — Enter your organization information.
9. Click **Next**.
    The **Ready to Install the Application** window is displayed.
10. Click **Next**.
    The **Updating System** window is displayed indicating the installation status. After installation, the **Dell System E-Support Tool (3.2) has been successfully installed** window is displayed.
11. To generate the report and/or upload (optional step):
    • **Run and Collect DSET Report** — Select this option to generate the report.
    • **At request upload the report to Dell Technical Support** — Select this option to upload the report to the Dell Technical Support when requested.
12. Click **Finish** to close the installer.
    DSET is now installed in the local system and if you have performed step 11, the report is also generated and/or uploaded.

Permanently Installing DSET and Generating Report on Linux OS

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To permanently install DSET Collector :
NOTE: You must be logged in as root to install DSET Collector.

1. At the Linux shell prompt, run the **./dell-dset-lx(bit)-(Version Number).bin** file.
    The **License Agreement** is displayed along with the following message:
    Do you agree to the above license terms? *('y' for yes | 'Enter' to exit).*
2. Enter y.
    The installation types are displayed.
3. Enter 4 to select **Install DSET Collector** option.
4. Wait for the installation to complete. The DSET Collector installation completed successfully message is displayed.
    DSET collector is installed at **opt/dell/** location by default.

Run DSET Collector from the remote System

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On Remote System

To run the report on a remote system, provide the Fully Qualified Domain Name (FQDN) or IP address of the remote system and administrator credentials.

To collect hardware and software information and save it in the specified folder, run the following command:

- **For Windows**
  C:\Program Files\Dell\AdvDiags\DSET\bin>
  DellSystemInfo.exe -s <IP_ADDRESS> -u <USERNAME> -p <PASSWORD> -d hw,sw -r C:\temp\dset.zip
- **For Linux**
  dellsysteminfo -s <IP_ADDRESS> -u <USERNAME> -p <PASSWORD> -d hw,sw –r /opt/dell/myreports/dset.zip
  NOTE: The data collected from ESX/ESXi namespace is lesser compared to the data collected from Windows or Linux systems on which DSET Provider is installed.

P.S.
For the Windows command, Data to collect can be
[Server(hw)|Storage(st)|Software(sw)|Logs(lg)|
Advanced(ad)] or a combination of these options
separated with comma without any space in between.
Choosing Advanced log option may create larger
report(This will collect log files by default)
The HW and SW will give you the normal system part of
the DSET
The ST and AD will give you the storage part of the DSET
The LG didn't give me anything