

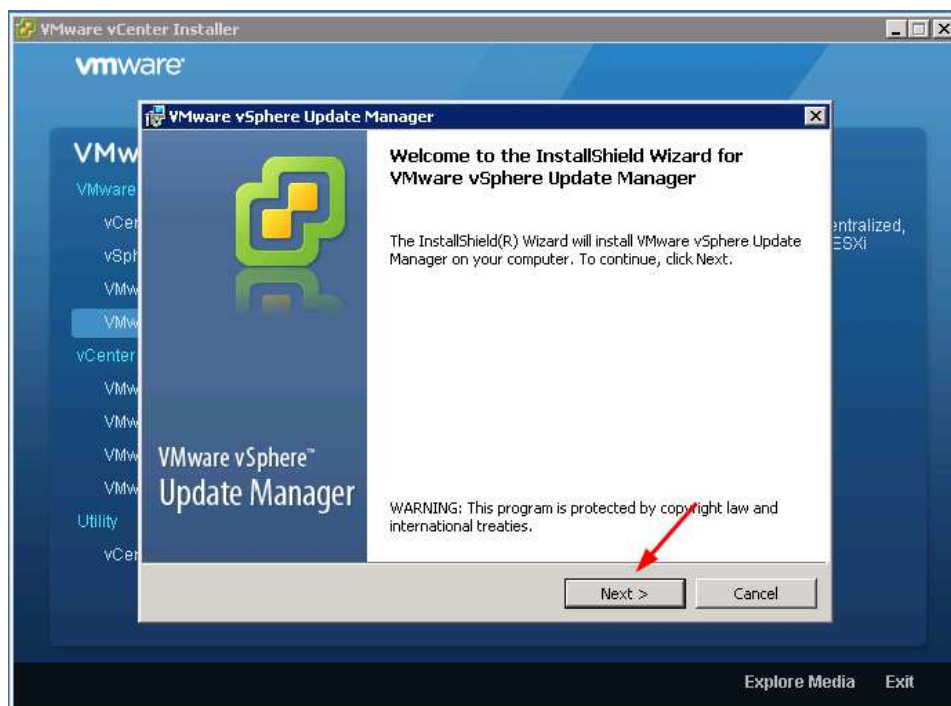
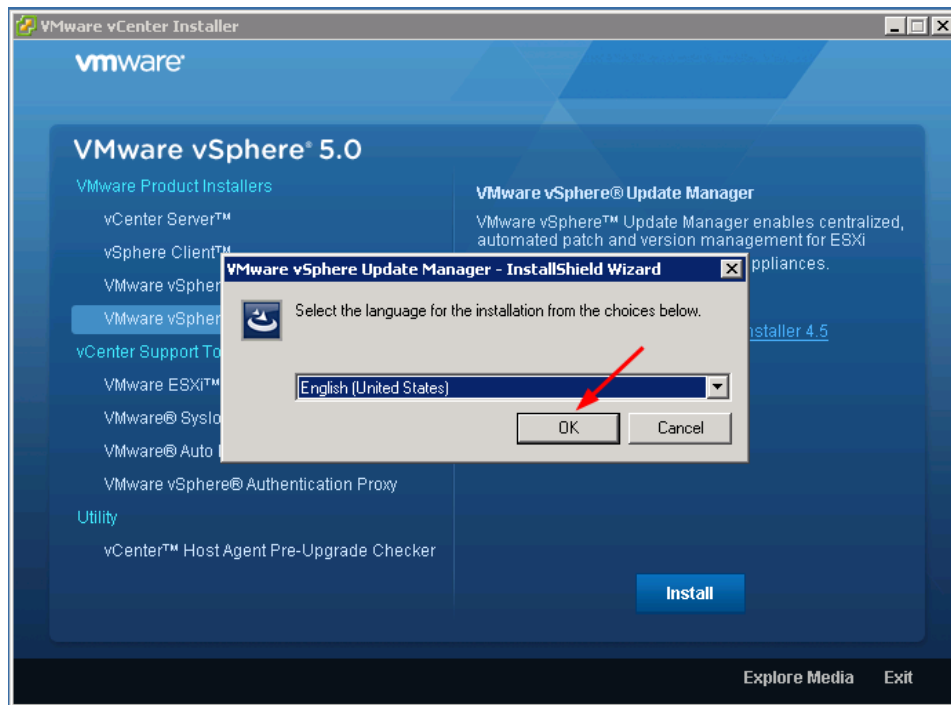
## Step by Step: vCenter Update Manager (VUM) installation

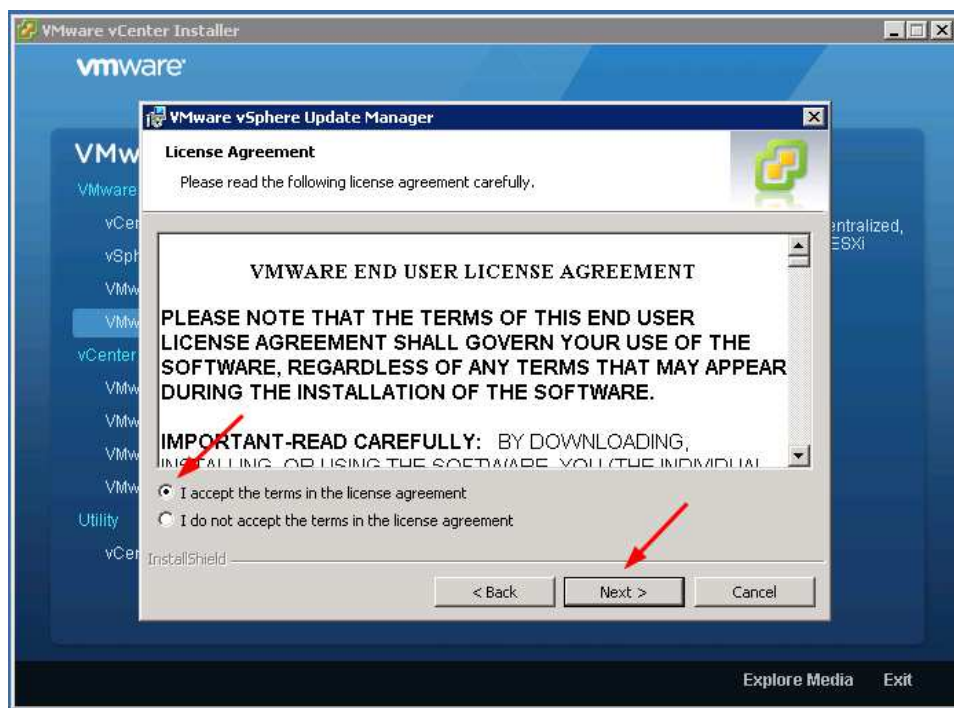
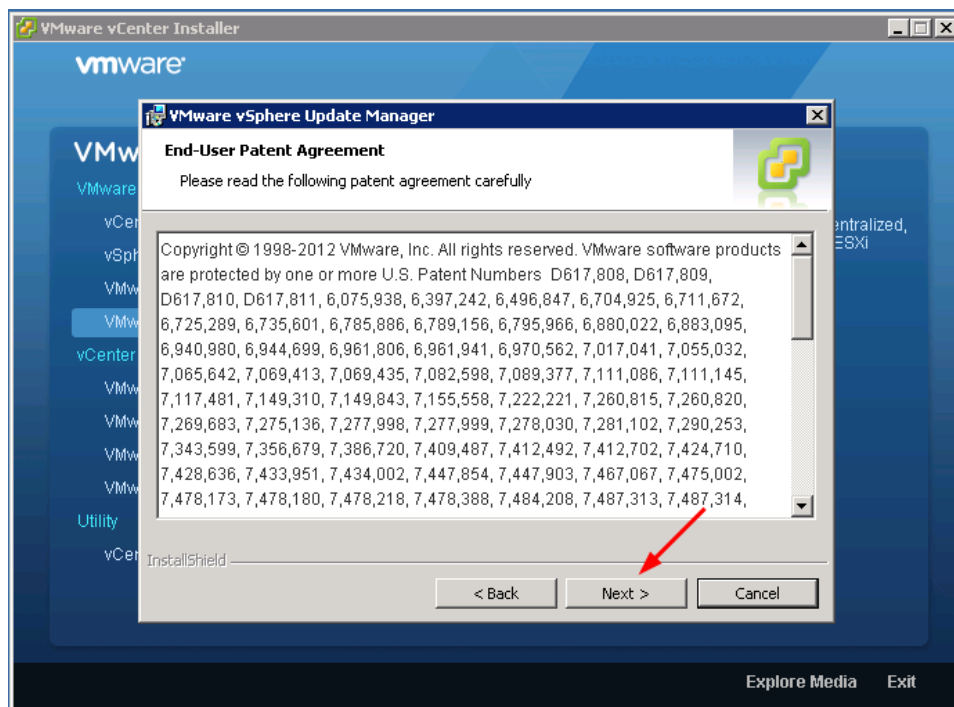
I have put together these screenshots detailing the step by step installation of vCenter Update Manager. I am assuming the following:

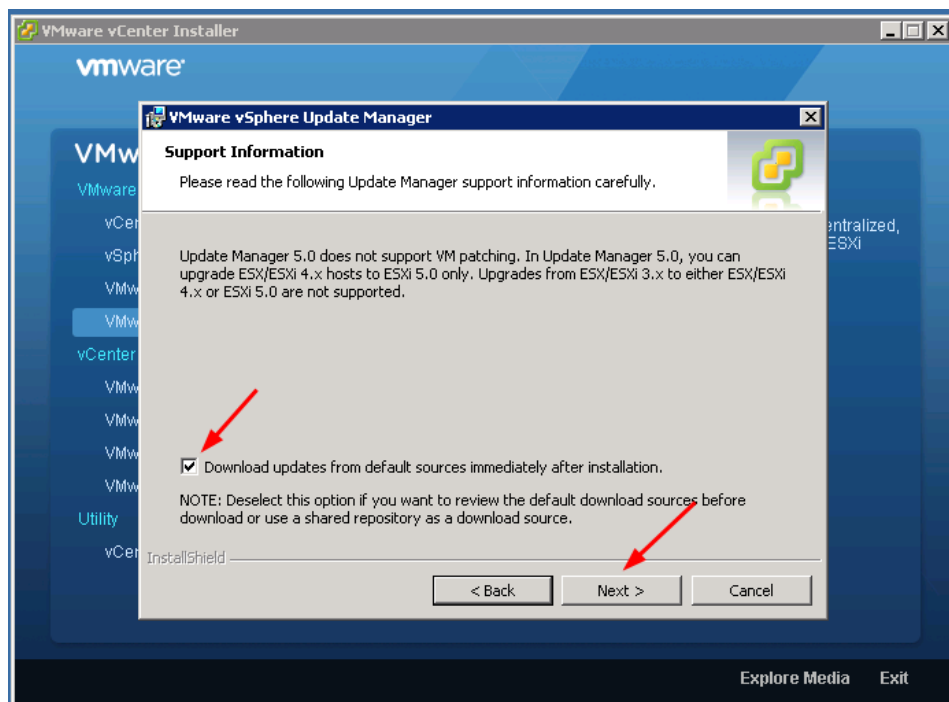
- You have already installed a SQL Server on Windows 2008 Server VM (Refer to my VM build document)
- You have already prepared the databases for vCenter and for vCenter Update Manager (Refer to my SQL Database installation document)
- You have already installed a vCenter Server VM to connect to (Refer to my vCenter Installation document)
- I am also assuming you have installed the above VM's on an ESXi 5.x Server you have already setup with shared storage (or local storage) (Refer to my ESXi 5.x Installation Document)
- I am also assuming you have met the pre-requisites for the installation such as .NET Framework etc.

We are going to install vCenter Update manager from the vSphere Installation DVD.

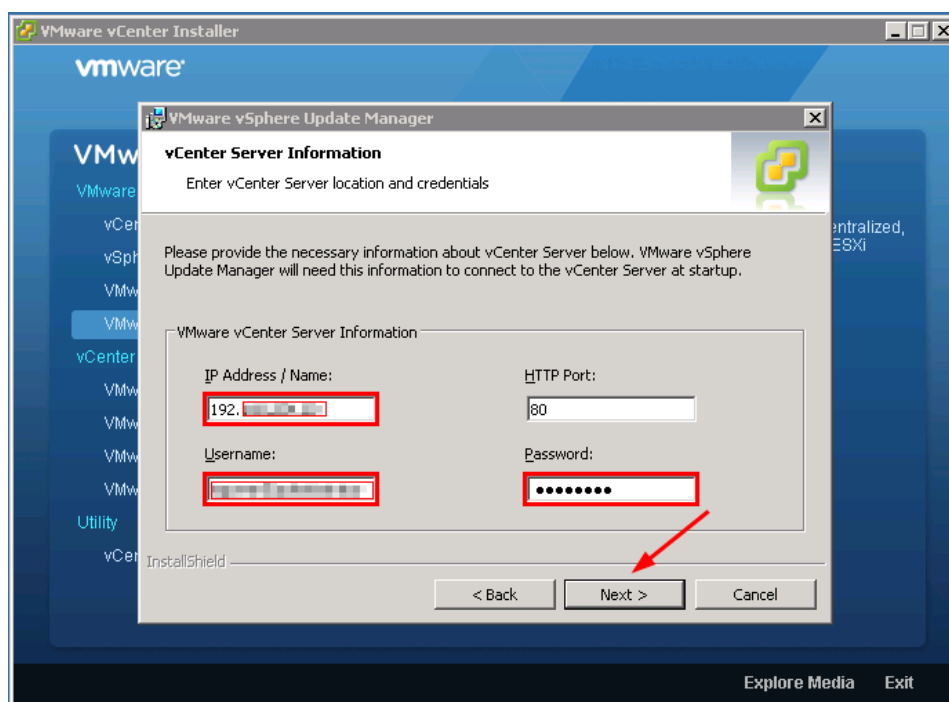




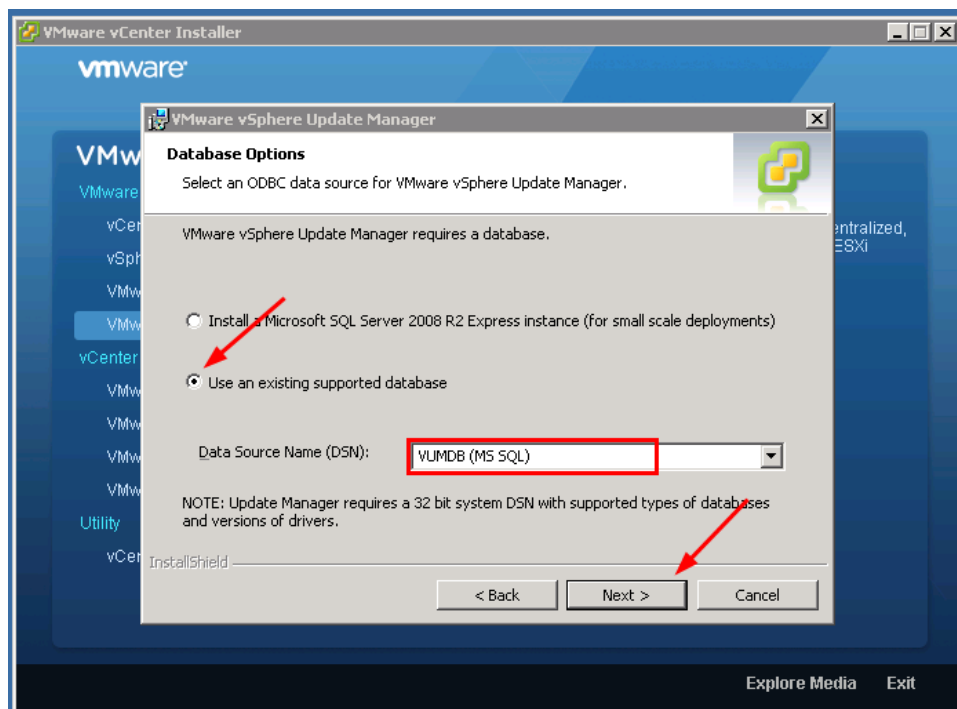




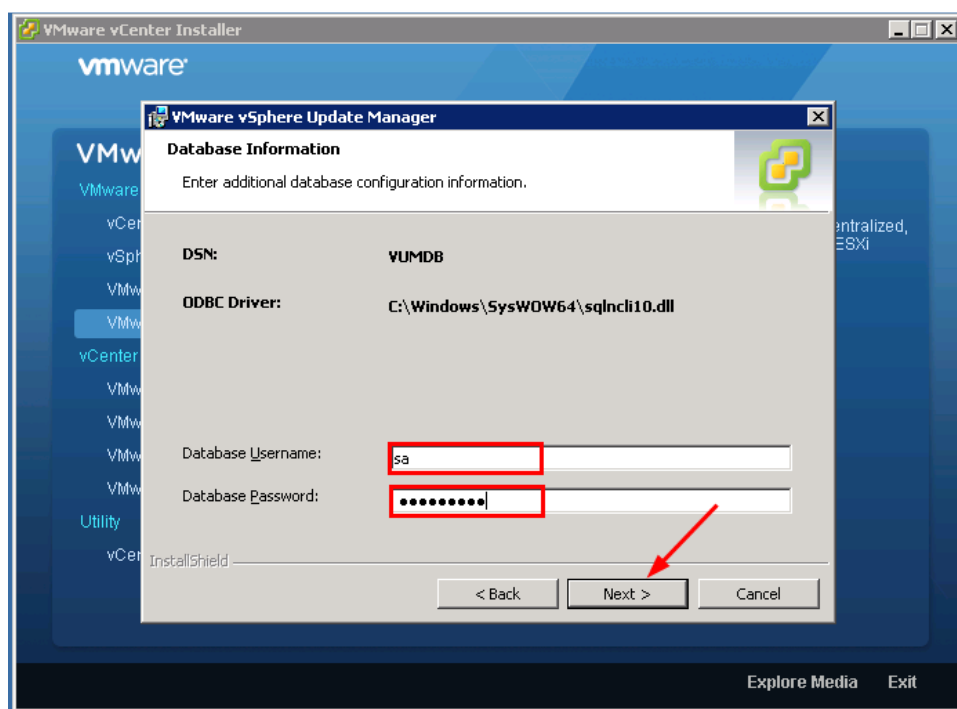
You may deselect the downloading of updates after the installation. You can after the installation select only the updates you need, thus saving on space and bandwidth.



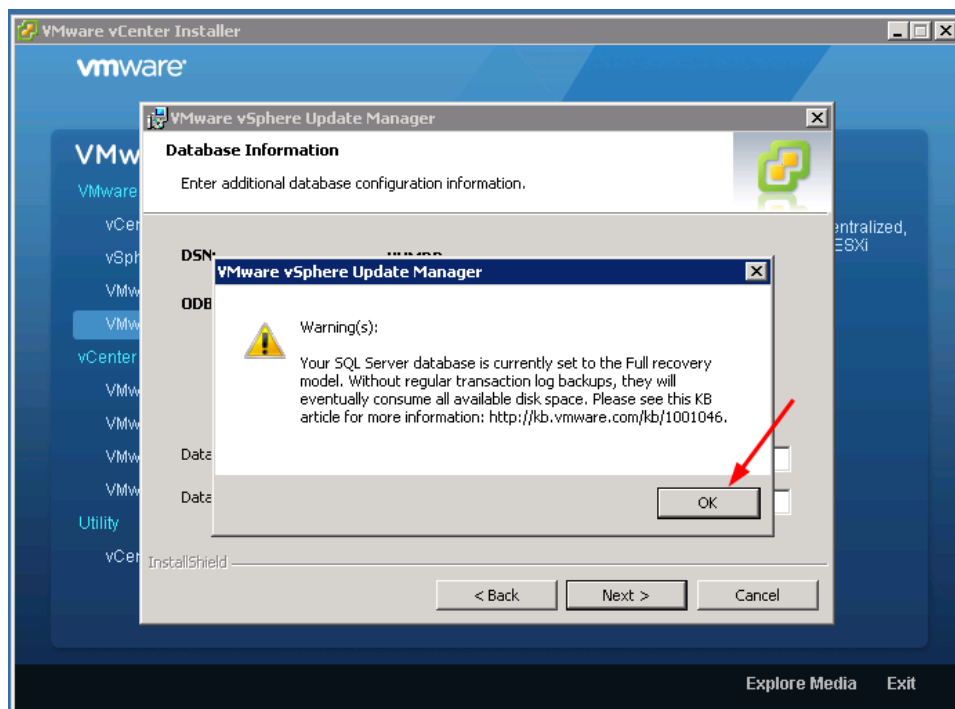
Complete the IP address of the vCenter server and user credentials that will have access to the vCenter server. The user is usually a common VMware account with administrator rights to the vCenter server.



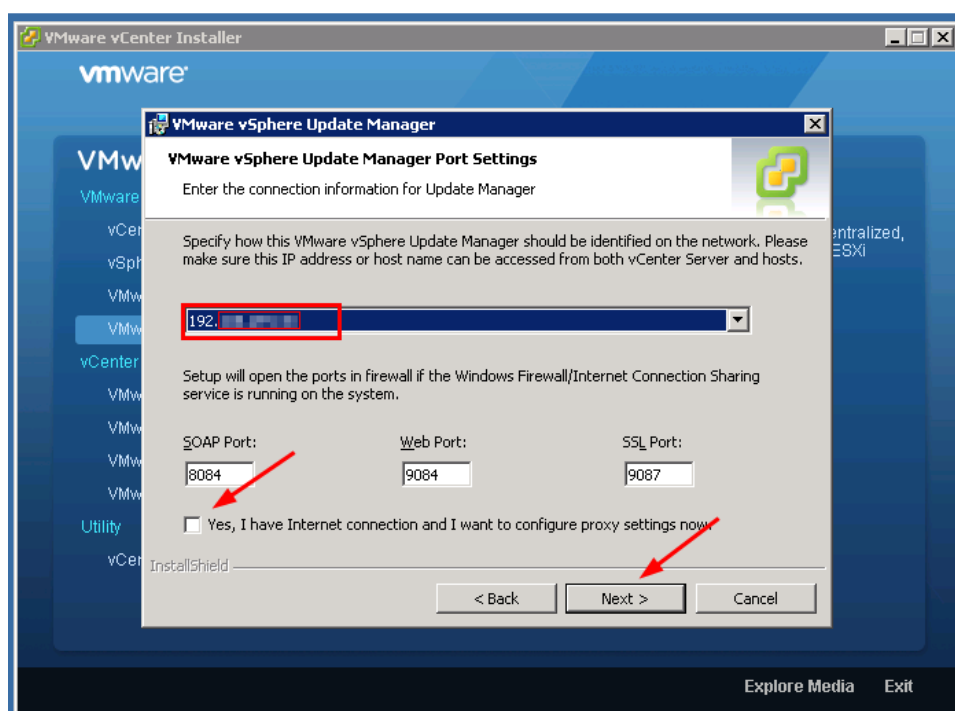
If you have not created the 32Bit DSN you will not have a selection here. Exit from the installation and create the DSN as per my vCenter Installation documentation. Once you have created the DSN you shall need to re-run the vCenter Update Manager installation.



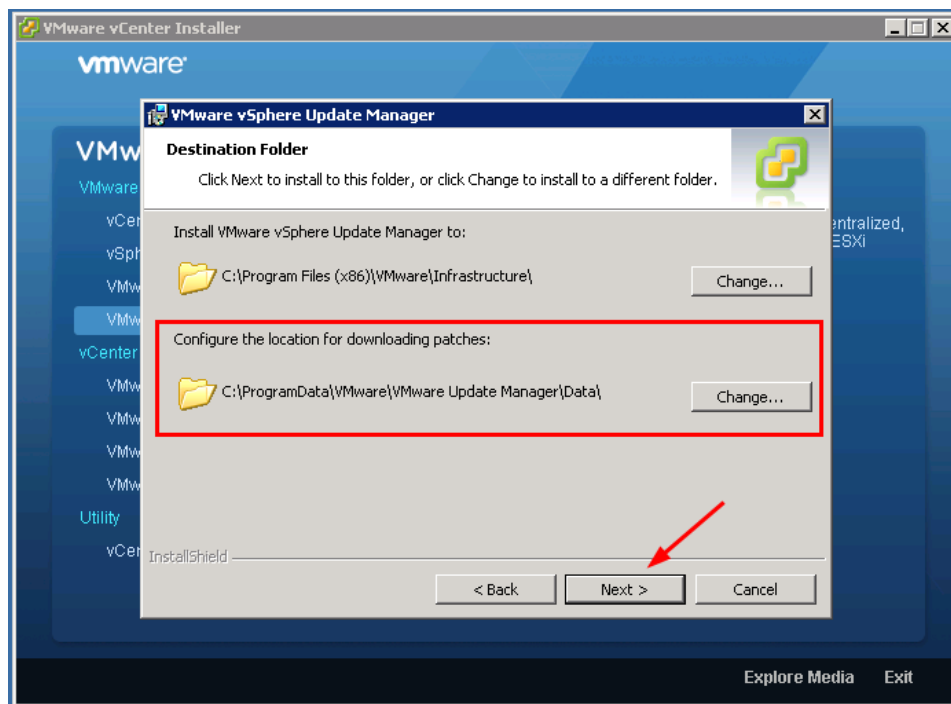
The user used here will have dbo (database owner) rights to the vCenter Update Manager database.



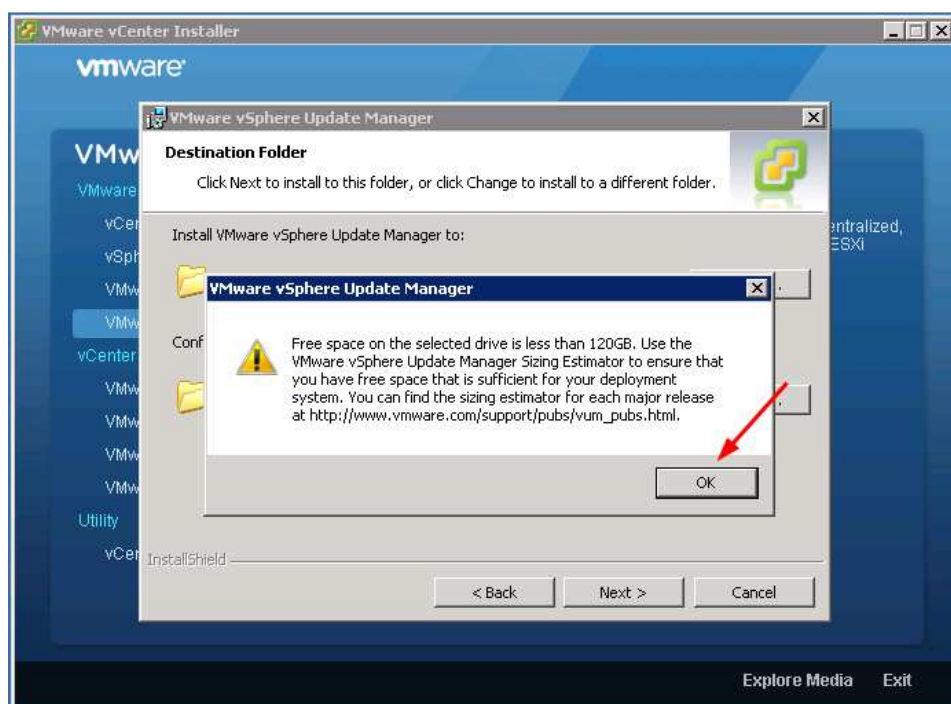
You might see this warning based on our SQL Database configuration Policies.



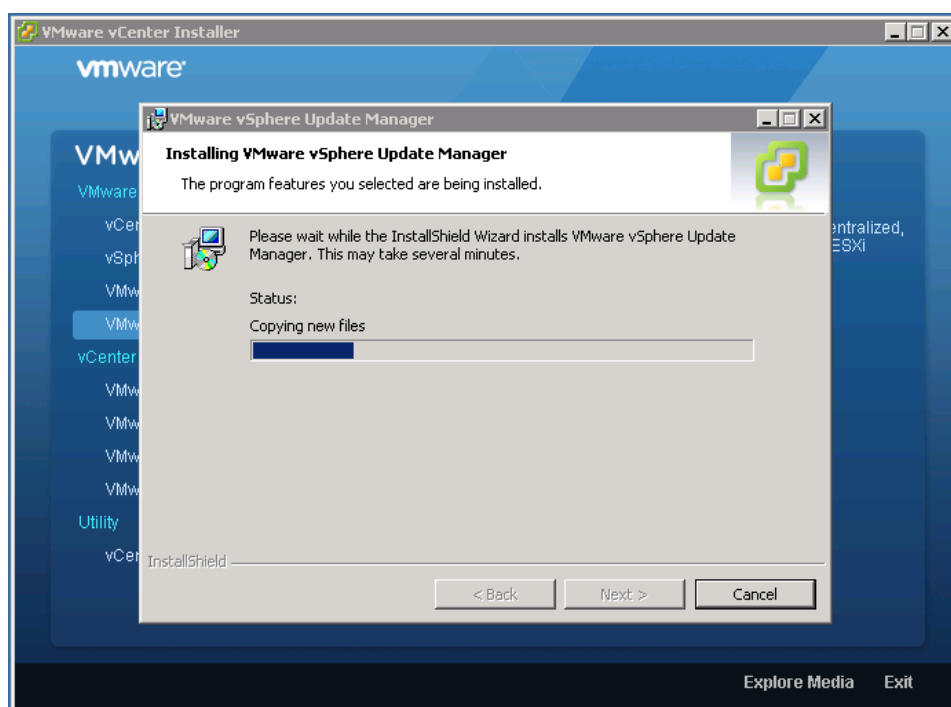
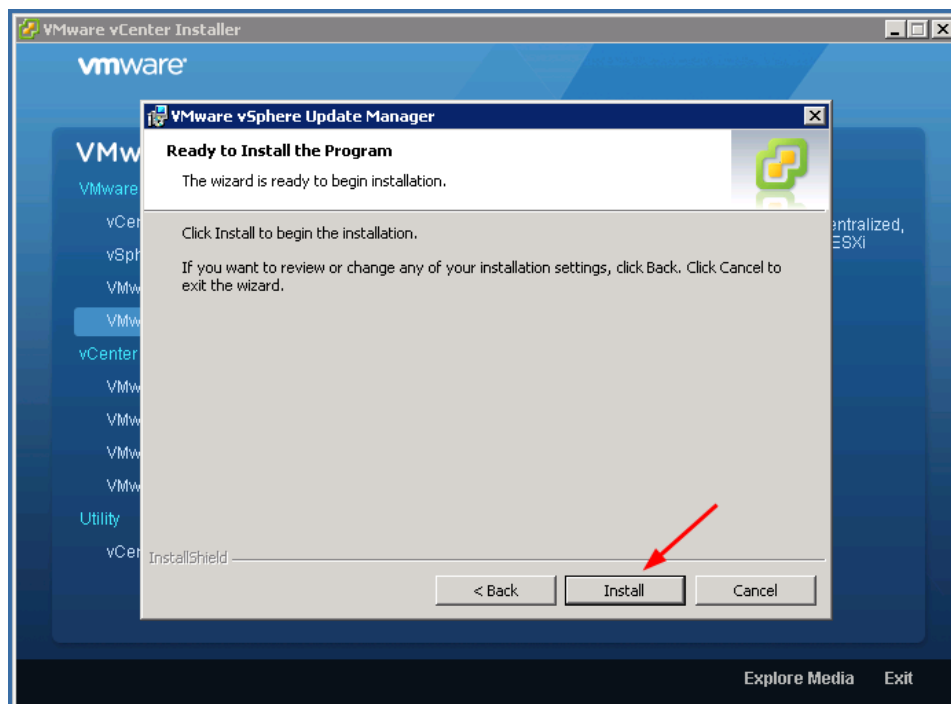
You can either use the IP address or the FQDN of the vCenter Update Manager.



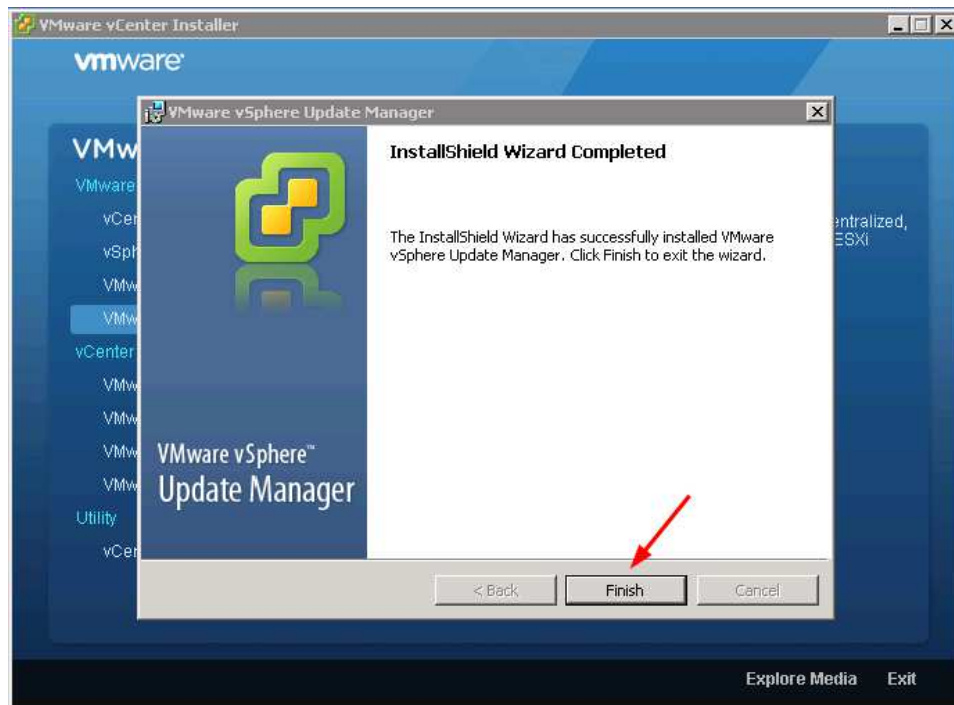
Select a destination with enough free space for the patches and updated ISO's vCenter Update Manager will be using.



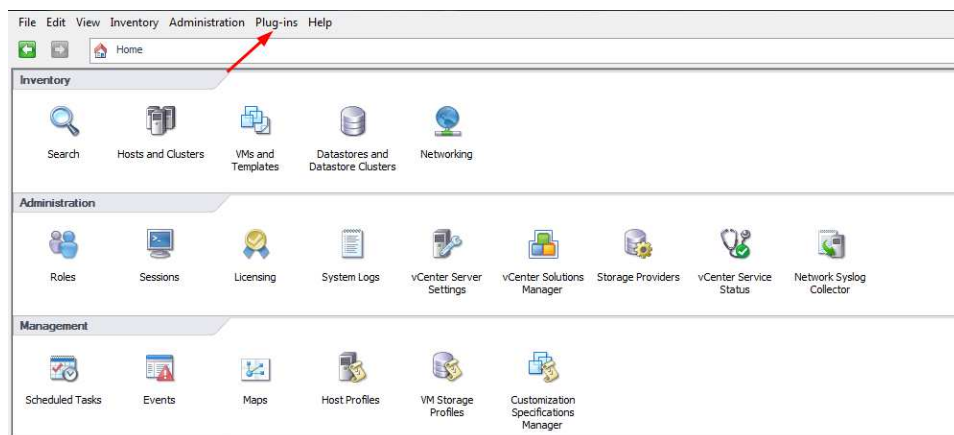
If not enough space has been allocated you will be shown this warning. Please take note of this for future reference. Also ensure you monitor the space so that you do not run out of available disk space on the volume designated.

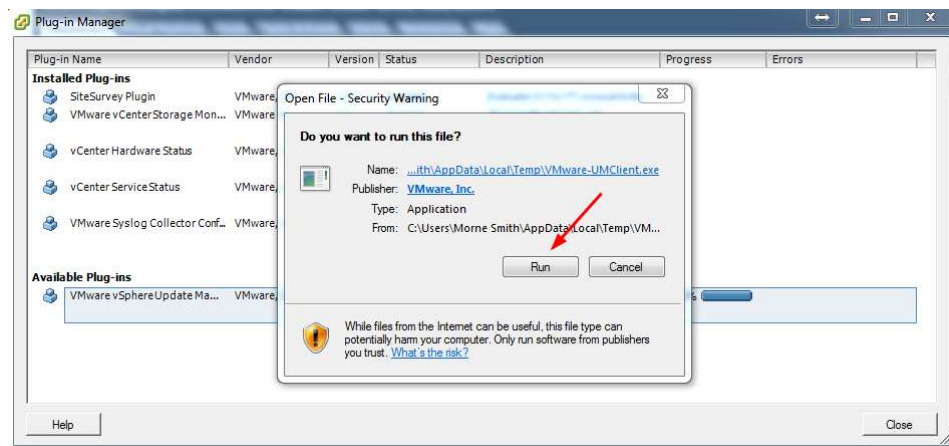
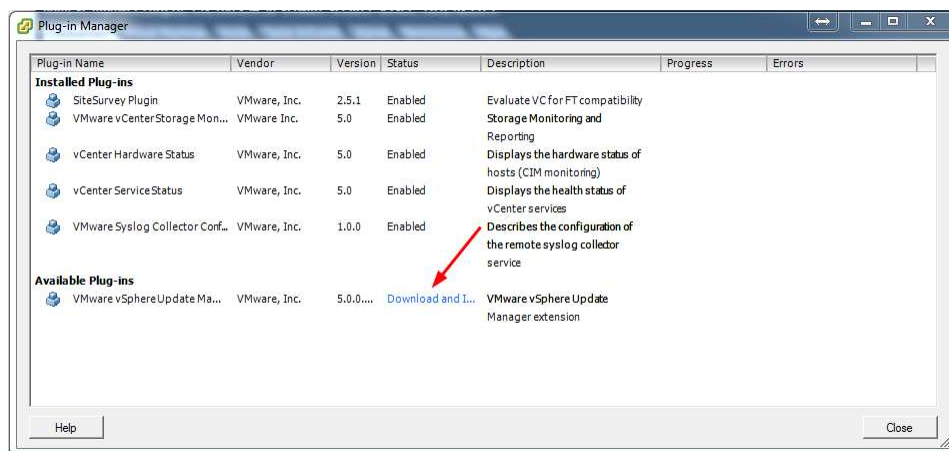
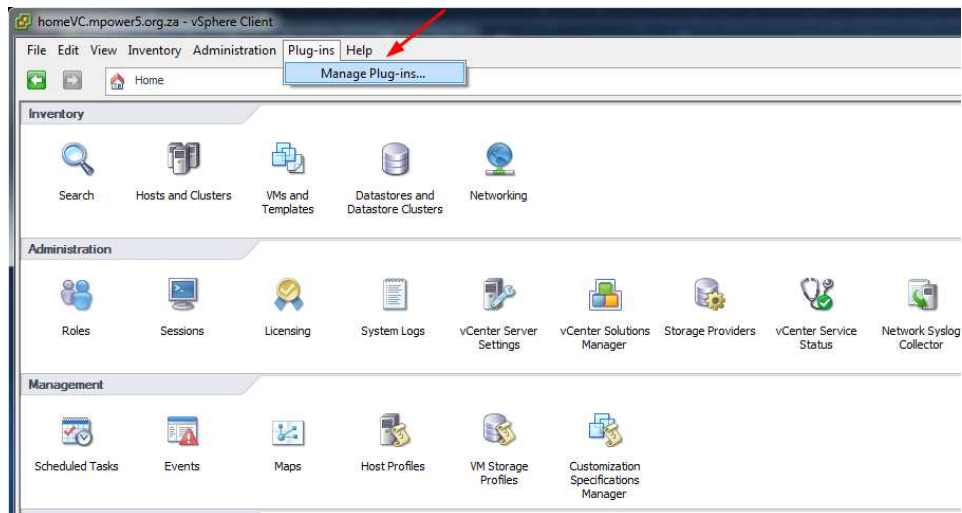


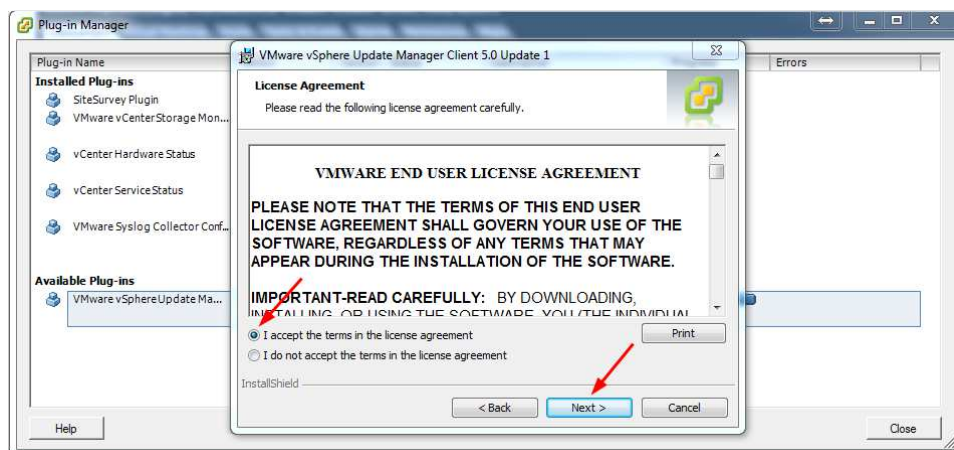
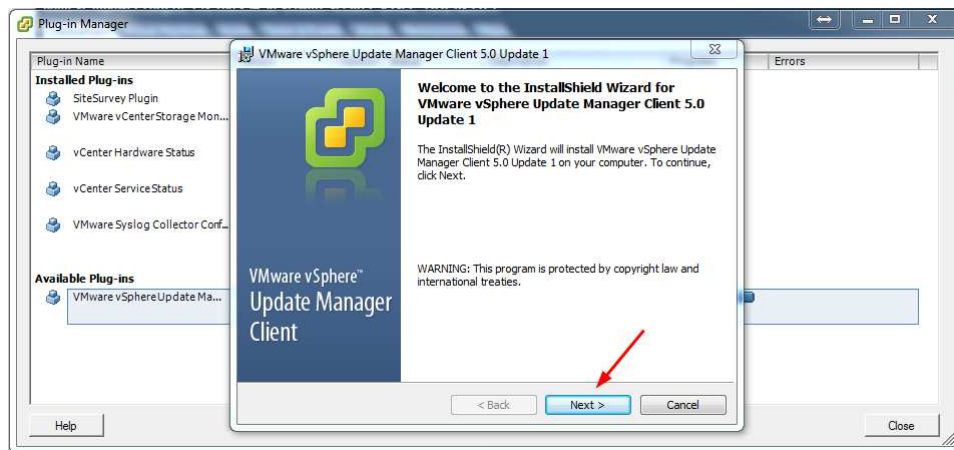
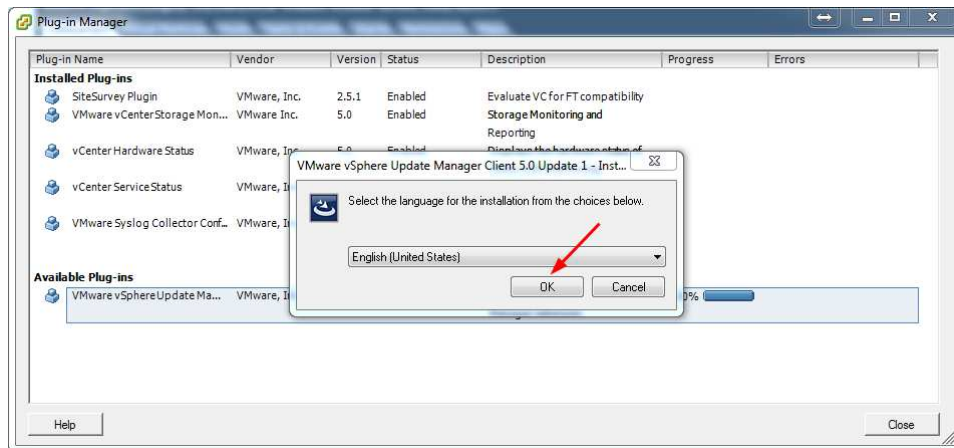


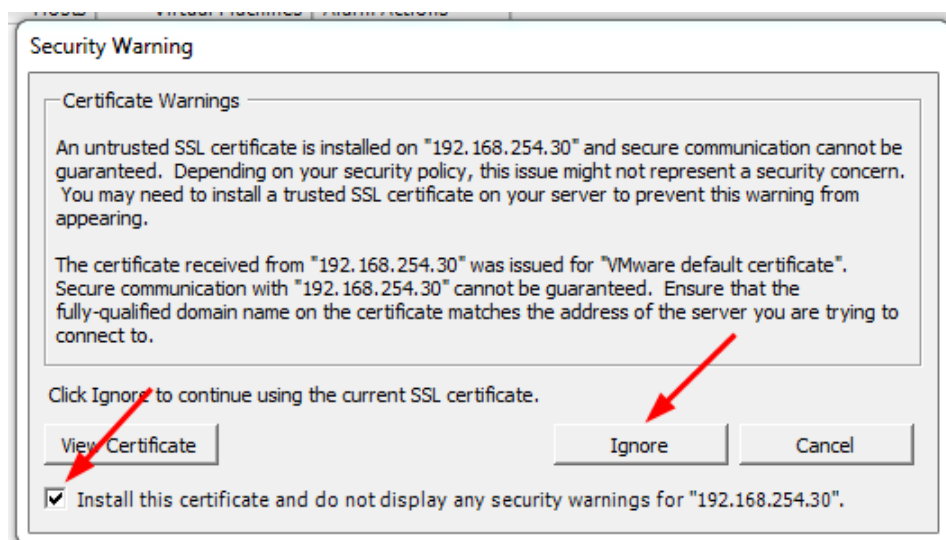
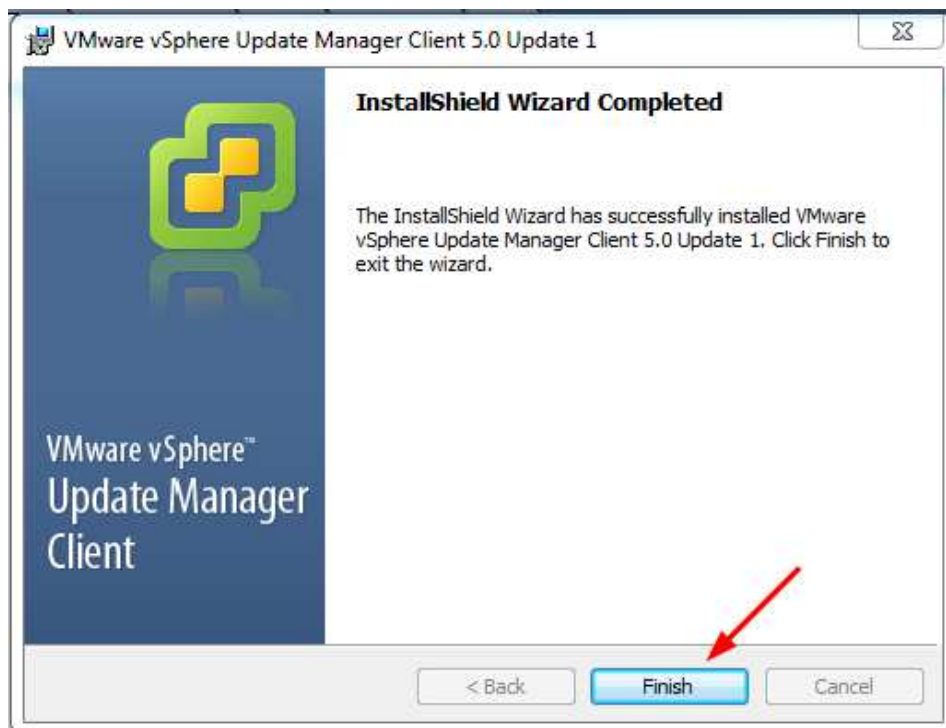
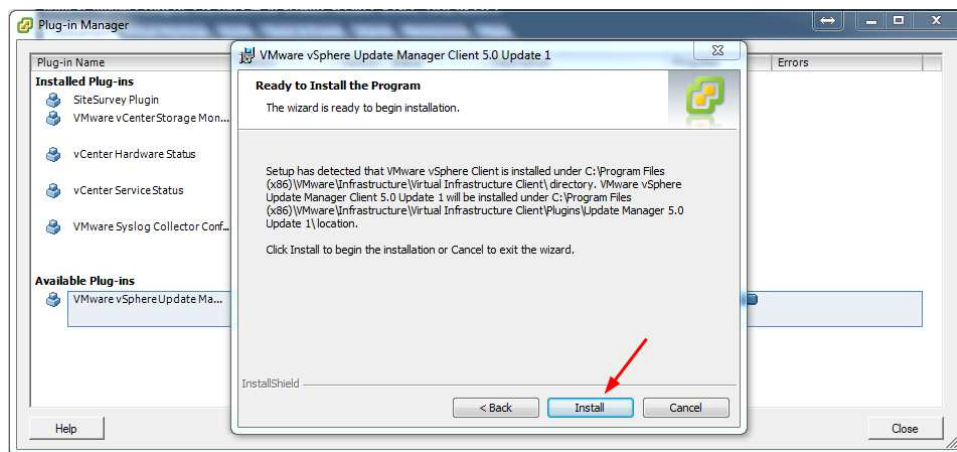


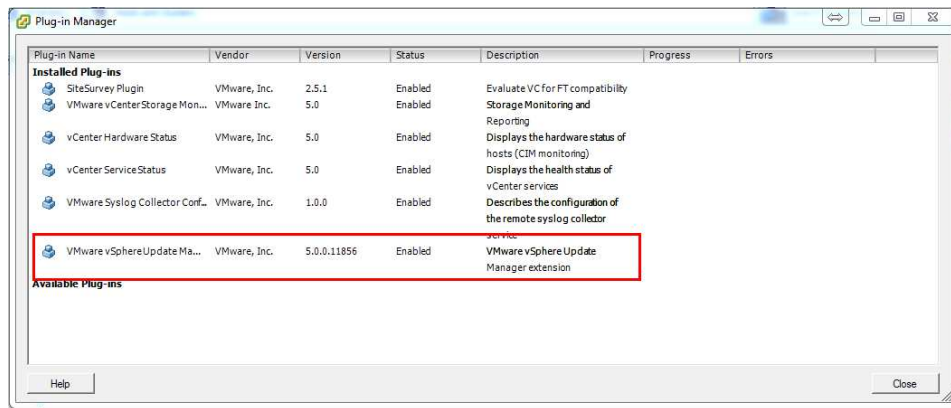
Note that this is the installation of vCenter Update manager only. There is still some configuration to do within vCenter Server and the VUM Plugin. We shall continue with the installation of the vCenter Update Manager Plug-in for vCenter Server.



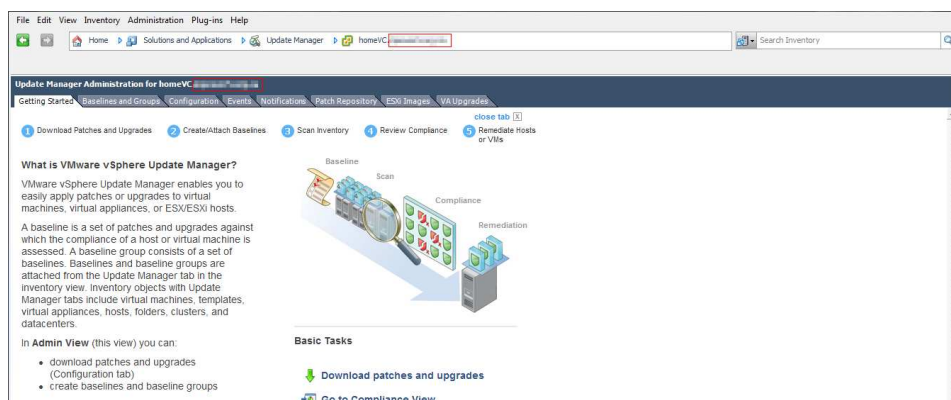
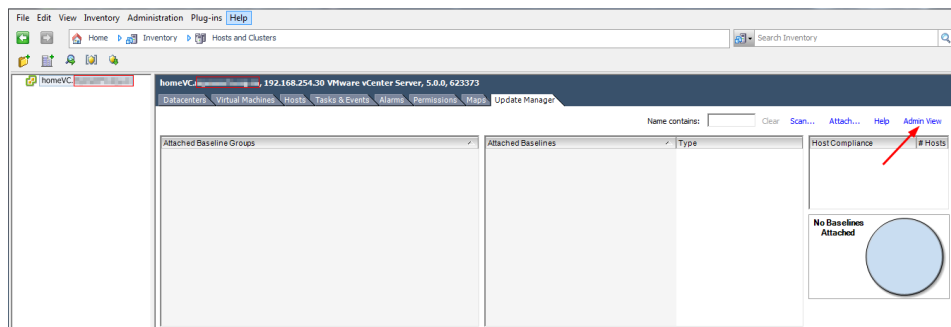
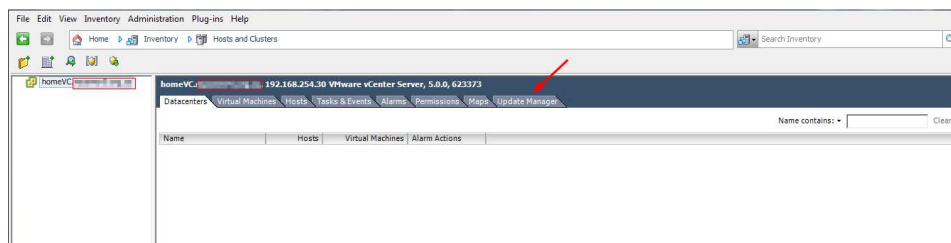






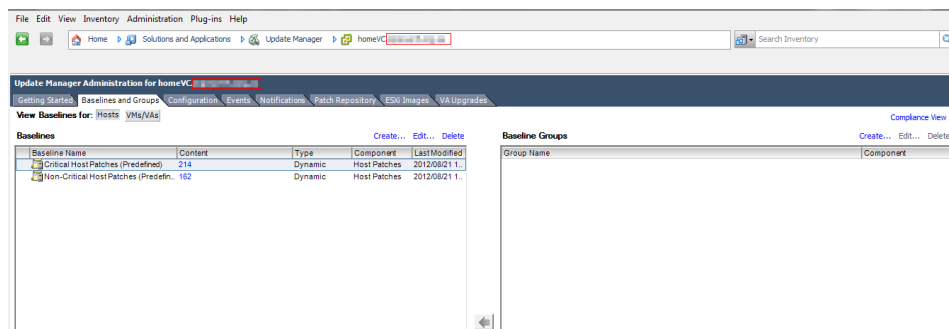


Once the plug-in is enabled you should note an additional Tab in vCenter management console (via VI Client)

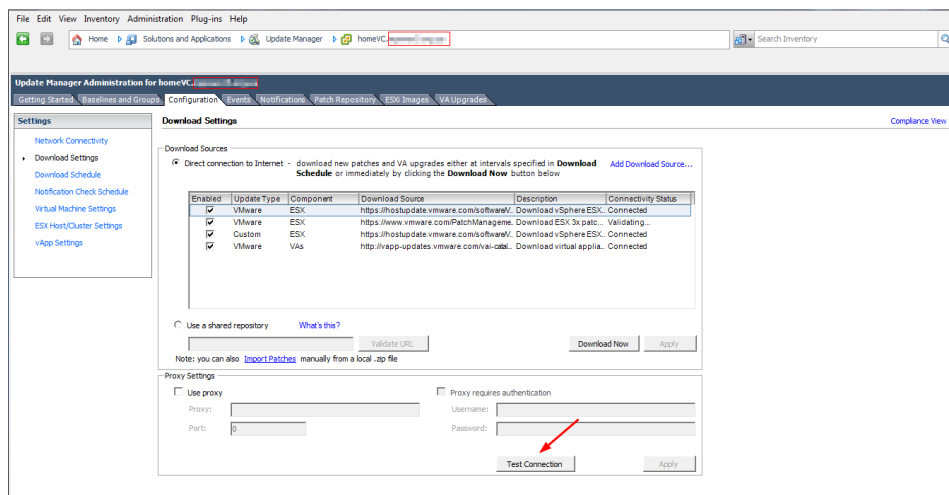
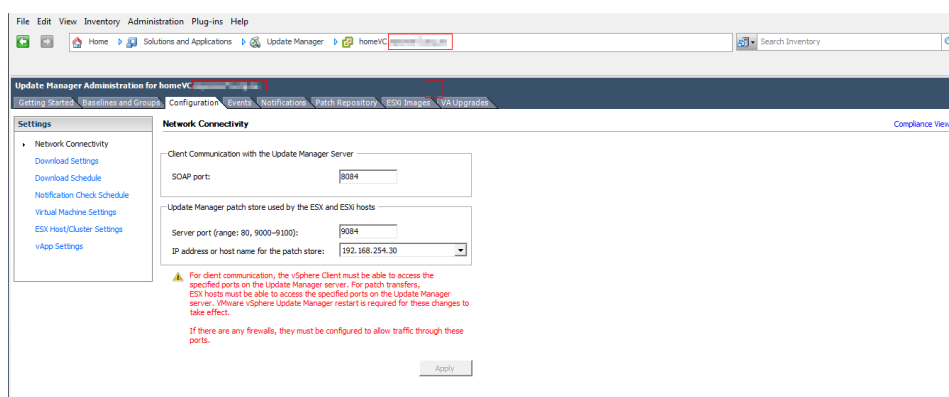


The above vCenter Update Manager Admin view is displayed. From here follow the steps as shown

to do final customization of vCenter Update Manager.



By default two baselines have been created. You can add additional baselines and remediate against them. We shall address this in a later document.

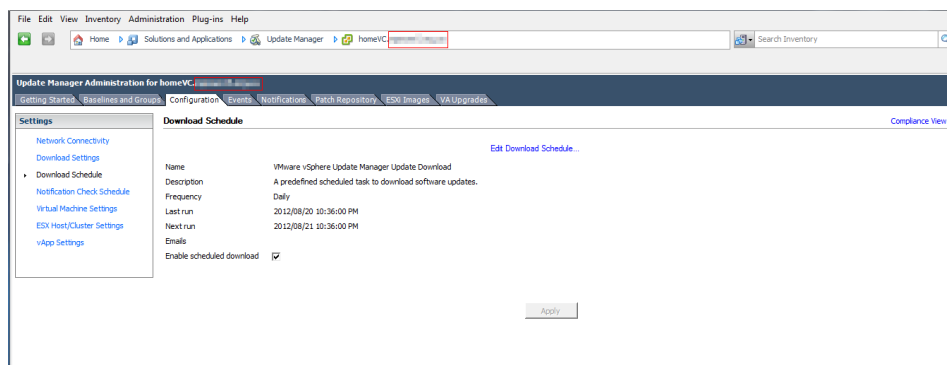
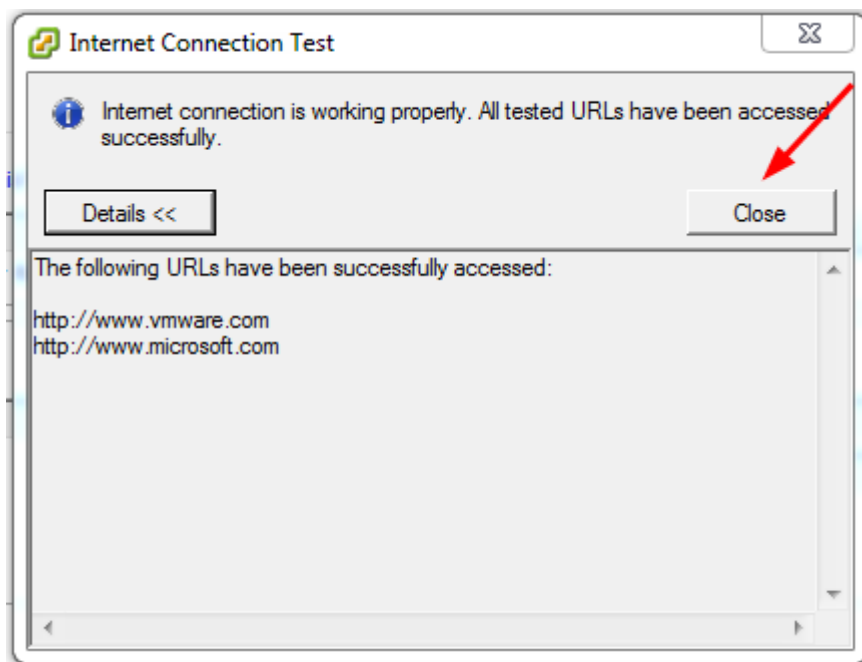


Here you can select which updates to download. Only select the updates applicable to your environment, IE: If you do not have ESX 3.x servers in your environment there is no need to download the patches for it.

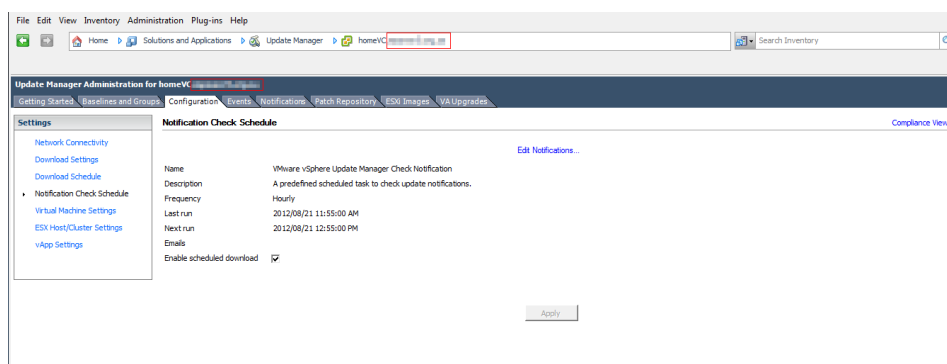
You can add additional Download Sources or upload patches form a .zip file.

Test the connection to ensure vCenter Update Manger can connect to the servers from where it downloads the patches.

A Failure here might indicate a Firewall issue or Proxy settings that are wrong or in need of updating.

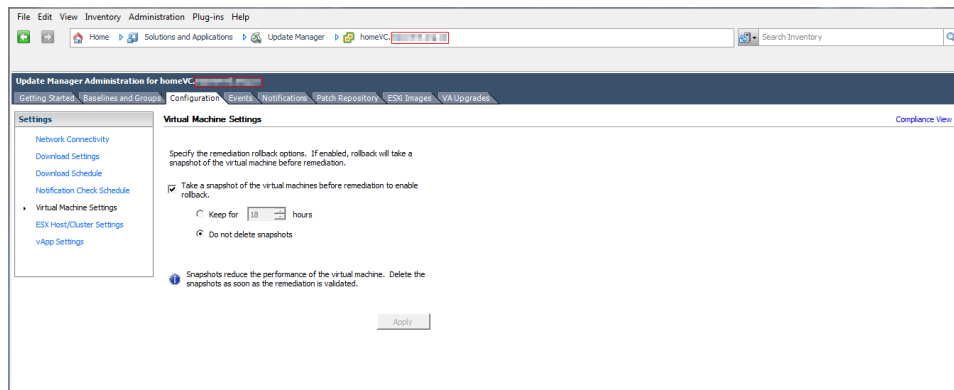


To ensure the downloads of patches happen outside of business hours, or have the least impact on your environment you can customize this schedule to fit your policies.

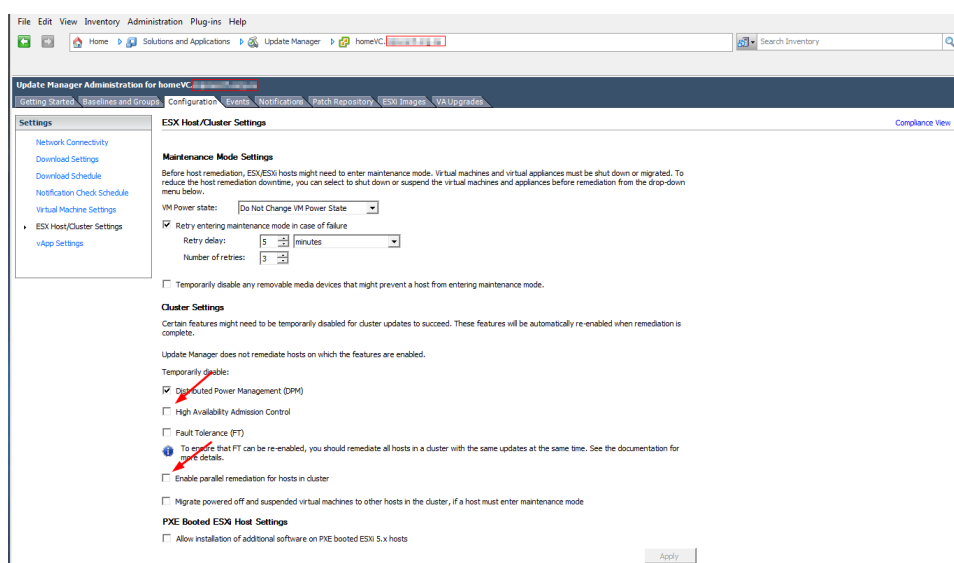


You can also configure the notification schedule...IE: when VUM must check for update notifications from VMware?





Since vSphere 5, vCenter Update Manager only updates the VMTools within VM's. This option gives you the ability to revert to a state before the patching/updates happened.

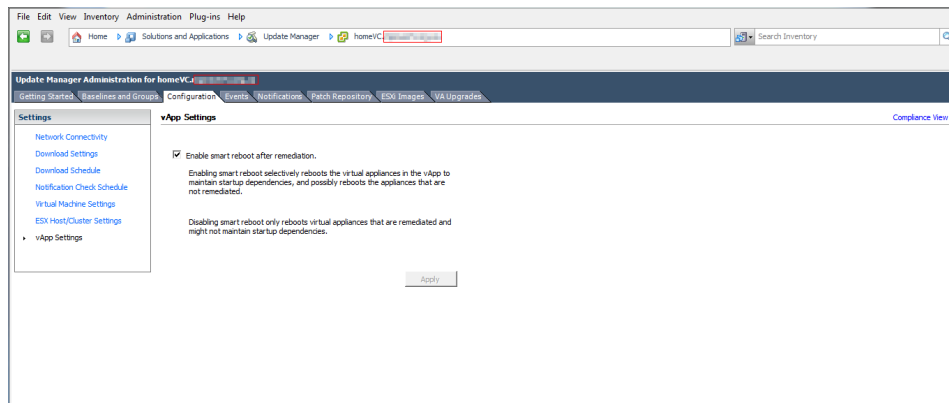


Additional ESXi Hosts and Cluster settings can be chosen here, for example:

HA admission control might interfere with the patching process as ESX servers are put into maintenance mode and thereby removing resource from the cluster. You can temporarily disable HA admission control to enable the patching to continue even thou HA policies are breached.

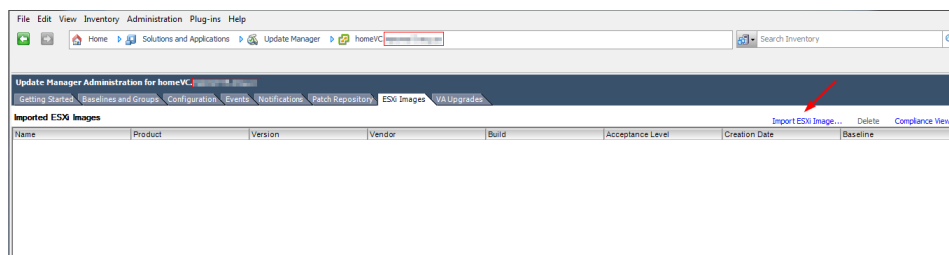
You can also enable parallel patching, which enables you to patch more than one ESXi hosts at a time.





Patch Name	Product	Release Date	Type	Severity	Category	Impact	Vendor	Patch ID	Baselines
Updates VMX	esx 4.0.0	2009/07/09 10:00:00 AM	Patch	Critical	Other	Maintenance Mode, Ho...	VMware, Inc.	ESX400-200906401...	Add to baseline...
Updates ESX Scripts	esx 4.0.0	2009/07/09 10:00:00 AM	Patch	Critical	Other	Hostd Restart	VMware, Inc.	ESX400-200906402...	Add to baseline...
Updates VMware Tools	esx 4.0.0	2009/07/09 10:00:00 AM	Patch	Moderate	Other	Hostd Restart	VMware, Inc.	ESX400-200906403...	Add to baseline...
Updates CIM	esx 4.0.0	2009/07/09 10:00:00 AM	Patch	Critical	Other	Hostd Restart	VMware, Inc.	ESX400-200906404...	Add to baseline...
Updates kb5 and pam_krb5	esx 4.0.0	2009/07/09 10:00:00 AM	Patch	Critical	Security	Reboot; Maintenance ...	VMware, Inc.	ESX400-200906405...	Add to baseline...
Updates sudo	esx 4.0.0	2009/07/09 10:00:00 AM	Patch	Critical	Security		VMware, Inc.	ESX400-200906406...	Add to baseline...
Updates curl	esx 4.0.0	2009/07/09 10:00:00 AM	Patch	Critical	Security		VMware, Inc.	ESX400-200906407...	Add to baseline...
Updates SCSI Driver for QLogic FC	esx 4.0.0	2009/07/09 10:00:00 AM	Patch	Critical	Other	Reboot; Maintenance ...	VMware, Inc.	ESX400-200906408...	Add to baseline...
Updates LSI storcli Library	esx 4.0.0	2009/07/09 10:00:00 AM	Patch	Critical	Other	Hostd Restart	VMware, Inc.	ESX400-200906409...	Add to baseline...

Patches are shown that are available for download. From here you can view more detail around a patch, its severity level and impact. You can also assign it to a different baseline if you so wish.



You can use this section to update your hosts with a Manufacturer's custom ESXi CD-Rom image (ISO file), or you can import your latest downloaded ISO. This section enables performing version upgrades IE: ESXi 4 to ESXi 5.

Name	Vendor	Product	Version	Release Date	EULA
Upgrade to version 2.0.0.24	VMware Inc.	VMware Data Director - Ma...	2.0.0.2477 Build 750442	2012/06/23 08:40:04 AM	EULA - Not Accepted
Upgrade to version 1.0.1.11	VMware Inc.	VMware Data Director - Ma...	1.0.1.1145 Build 532311	2011/11/18 12:23:13 AM	EULA - Not Accepted
Upgrade to version 2.0.0.24	VMware Inc.	VMware Data Director - DB ...	2.0.0.2477 Build 750442	2012/06/23 08:28:28 AM	EULA - Not Accepted
Upgrade to version 1.0.1.11	VMware Inc.	VMware Data Director - DB ...	1.0.1.1145 Build 532311	2011/11/18 12:53:37 AM	EULA - Not Accepted
vCenter Infrastructure Navig...	VMware Inc.	vCenter Infrastructure Navig...	1.1.1.138 Build 736049	2012/06/02 08:29:48 AM	
Initial Release	VMware Inc.	vCD appliance	4.2.1.0 Build 612841	2012/02/07 01:20:20 PM	
Upgrade to version 5.0.0.2	VMware Inc.	vSphere Management Assis...	5.0.0.2 Build 724898	2012/05/22 08:47:30 AM	
Upgrade to version 5.0.0.1	VMware Inc.	vSphere Management Assis...	5.0.0.1 Build 643863	2012/03/06 04:12:00 PM	
vSphere Replication Server	VMware Inc.	vSphere Replication Server	1.0.1.1797 Build 533120	2012/02/28 08:54:49 AM	
vSphere Replication Manag...	VMware Inc.	vSphere Replication Manag...	1.0.1.0 Build 633118	2012/02/26 08:44:27 AM	

Virtual Appliance patches will be shown here.

As previously noted we shall address the remediation process and procedures in another document.

To follow:

- Installing the vCenter Syslog Server