

Dell Catalog to Support Microsoft System Center Configuration Manager for Dell Hardware Updates

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Manage Dell System Updates: Enterprise Environments

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FOR FURTHER INFORMATION AND DISCUSSION

Visit Dell OpenManage systems management website at <http://www.dell.com/OpenManage>.
For more information on Microsoft System Center Configuration Manager 2007, visit Microsoft website at <http://www.microsoft.com/systemcenter/configmgr>.

TALK BACK

Visit our Dell TechCenter wiki site at <http://www.delltechcenter.com>.

SECTION 1

EXECUTIVE SUMMARY

This technical white paper describes the Dell Catalog to support Microsoft System Center Configuration Manager (SCCM) 2007 for Dell system updates. It provides an overview of the system update process using Dell Catalog, Microsoft System Center Update Publisher (SCUP) and SCCM. This white paper describes the steps that should be followed to:

1. Import the Dell Catalog into Windows Server Update Services (WSUS) using SCUP tool
2. Import updates from WSUS into SCCM
3. Scan managed systems using SCCM
4. Deploy the necessary updates to the Dell systems using SCCM

Finally, this white paper also provides some tips and best practices when using SCUP and SCCM to import Dell catalog and update Dell system BIOS, firmware, driver and Dell applications.

SECTION 2

INTRODUCTION

Managing hardware updates for BIOS, firmware, driver and hardware related applications has become a key activity for an IT administrator. In enterprise environments, it can be very complex and time consuming as the IT administrator needs to determine compliance, plan the update, select the appropriate hardware updates and be able to deploy the updates to the right set of systems for keeping the environment stable and reliable.

Dell Catalog along with Microsoft System Center products SCUP, WSUS and SCCM provides the solution that will assist IT administrator in updating Dell systems with the latest Dell BIOS, firmware, drivers and Dell applications available. As IT administrators design and implement a holistic methodology to manage their software and security patch updates, by importing Dell content into SCCM, IT administrators can also plan for updates using the same process. This minimizes the resources required to transport Dell hardware updates across the network and simplifies the IT process.

SECTION 3

The Overview of Dell Catalog, MSFT SCUP, and WSUS

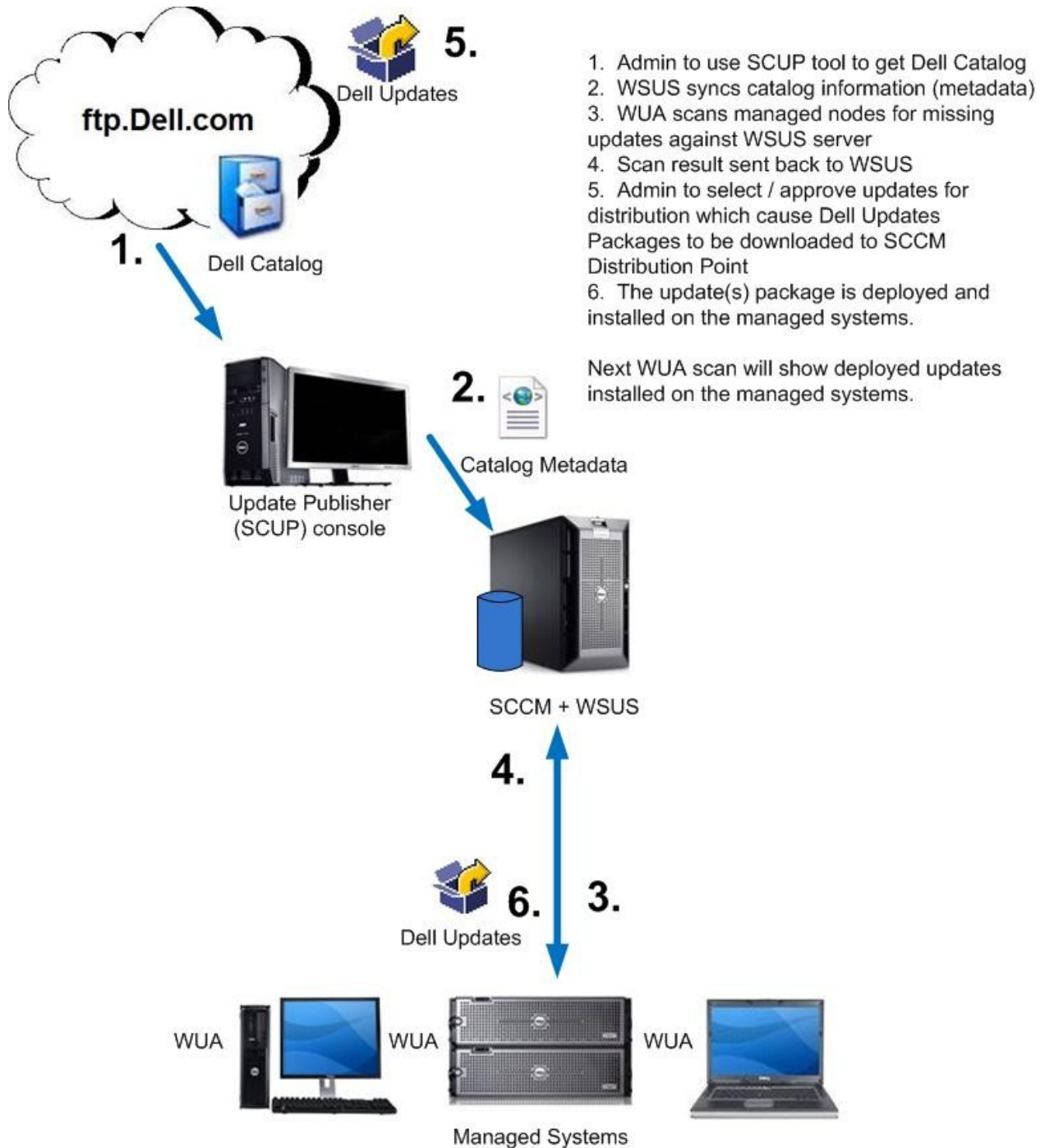
System Center Updates Publisher (SCUP) is an add-on application designed to extend the software update management functionality in System Center Configuration Manager 2007 (SCCM). It provides administrators the ability to import, create, and publish custom software update information to their SCCM server. By using the Updates Publisher to define a custom software update and publish it to the server, administrators can begin detecting and deploying that update to the managed systems in their organization. The System Center Updates Publisher enables administrators to do the following:

- Create the correct applicability and deployment metadata for an update that can be managed through SCCM
- Import catalogs of updates from third-parties (such as Dell) and from within the customer's own organization
- Export and share these software updates catalogs
- Manage custom software update information

Microsoft has designed WSUS to be a platform for updates for virtually any size business. That platform includes the underlying framework and an administration console that is free to use. SCCM build on top of the WSUS infrastructure and provide the tool to manage the enterprise environments.

As you can see from the Figure 1, SCUP is a component of a complete infrastructure involving Windows Update Agent (WUA), WSUS, management products such as System Center Essentials (SCE) and SCCM, custom updates catalogs such as Dell catalog and binaries from third-party sources such as Dell Update Packages.

Figure 1: SCUP, WSUS and WUA Architecture for Custom Updates



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SECTION 4

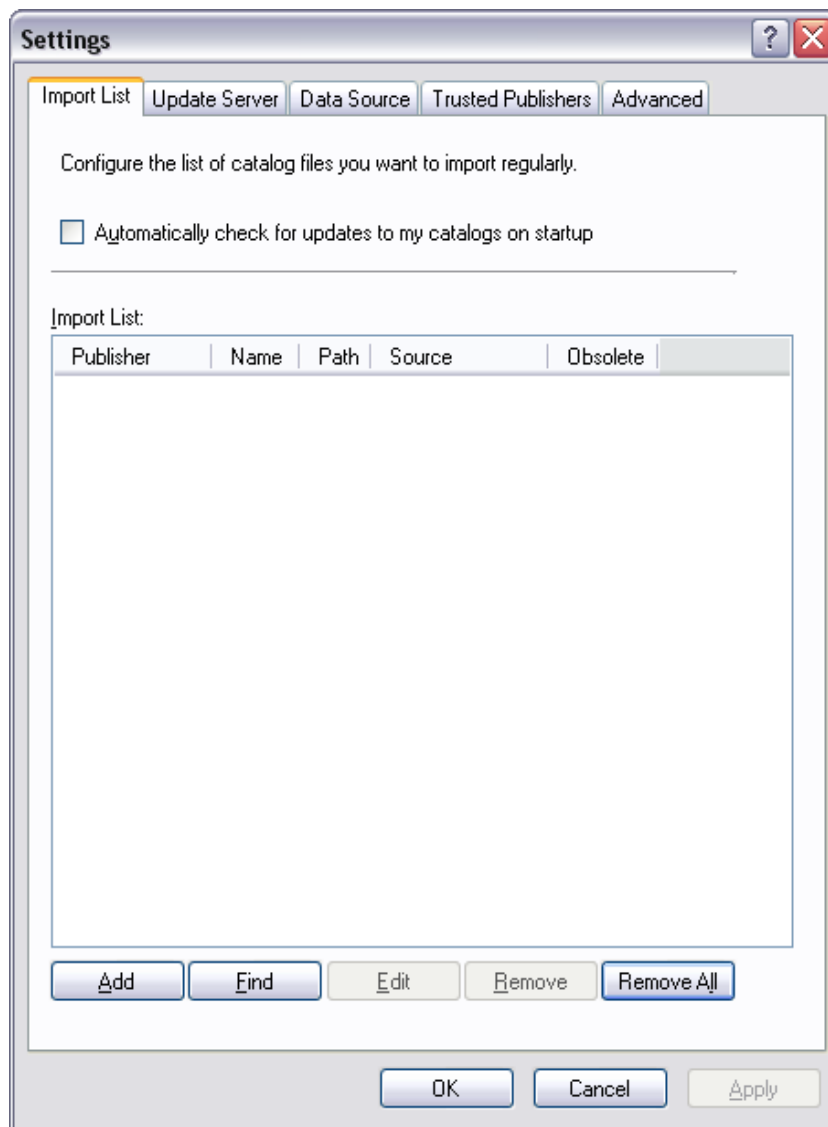
How to Use SCUP to Import Dell Catalog

This section will provide step by step instructions on how to use the SCUP tool to import Dell Catalog, set the correct configuration for SCUP, publish and verify the updates from Dell catalog.

It will assume that the IT administrator has already downloaded and installed the SCUP tool on a system.

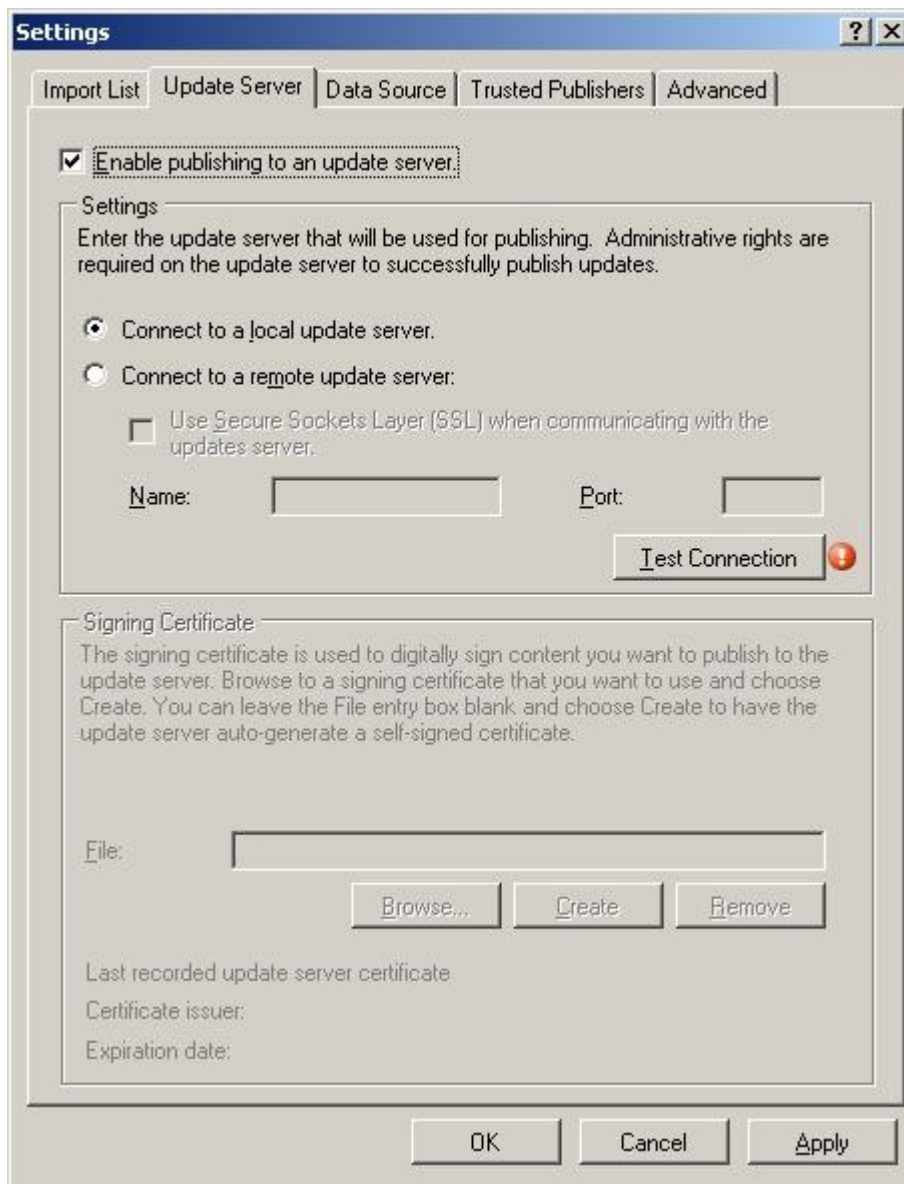
After the IT administrator installs and launches the SCUP tool on a system, follow the steps below:

1. Click **Action > Settings** to launch SCUP Settings menu.



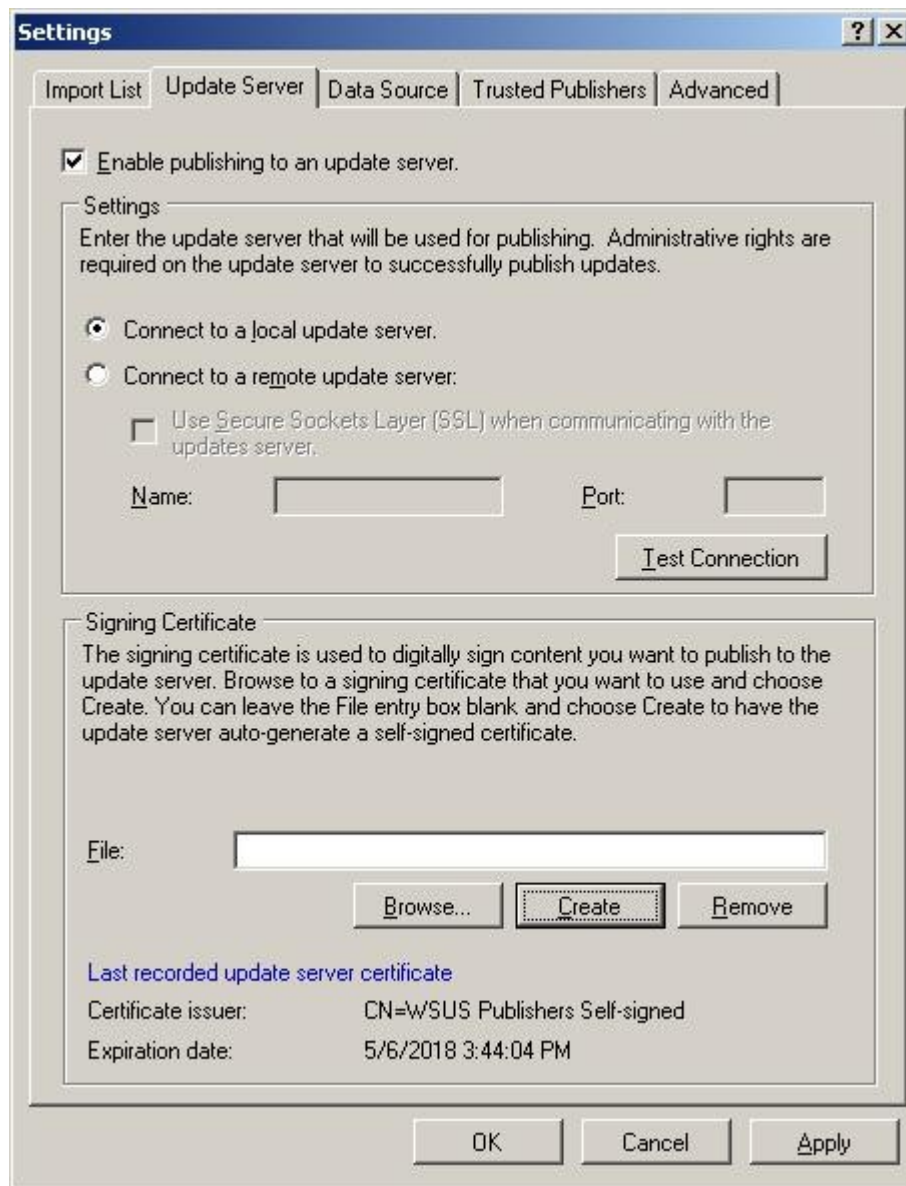
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- From the Settings menu change tabs to **Update Server** and check **“Enable publishing to an update server”**. Configure the settings based on the environment and test connection.



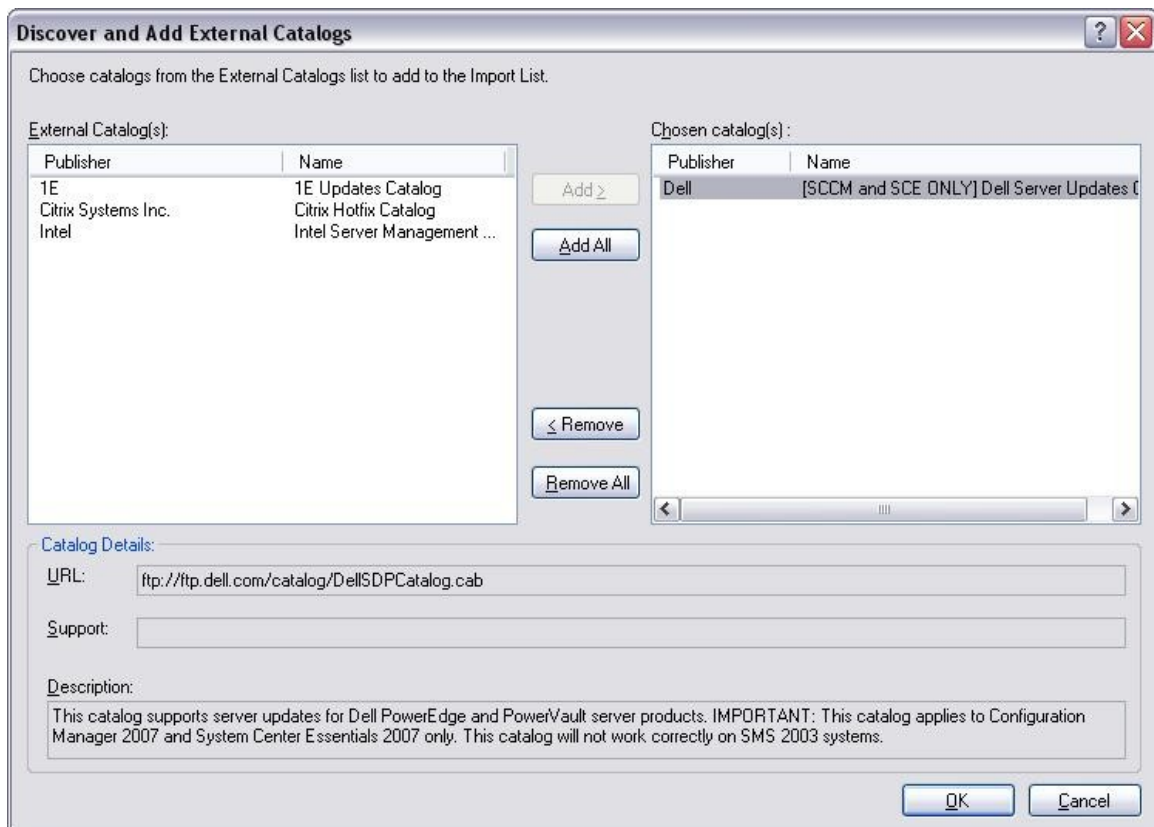
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3. Next **create** or **import** a Signing Certificate that will be used to setup the trust relationship between SCUP, SCCM, and the managed clients. Once complete click **Apply**. See “**Tips and Best Practices using SCUP and SCCM (Q&A)**” for additional information on how to export/import the WSUS Publishers Self-signed Certificate.



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4. Now switch tabs to **Import List** and click **Add** or **Find** depending on SCUPs internet access availability;
 - a. Clicking **Find** will launch the Discover and Add External Catalogs menu; this will automatically retrieve a list of available Catalogs from Microsoft's site. From the External Catalogs menu select publisher "**Dell**" and click **Add >** then **OK**.



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- b. Clicking **Add** will launch the Edit Catalog menu; enter <ftp://ftp.Dell.com/Catalog/DellSDPCatalog.cab> in the Choose Path field and Dell Inc. in the Publisher field. All other information can be entered as desired; then click **OK**.

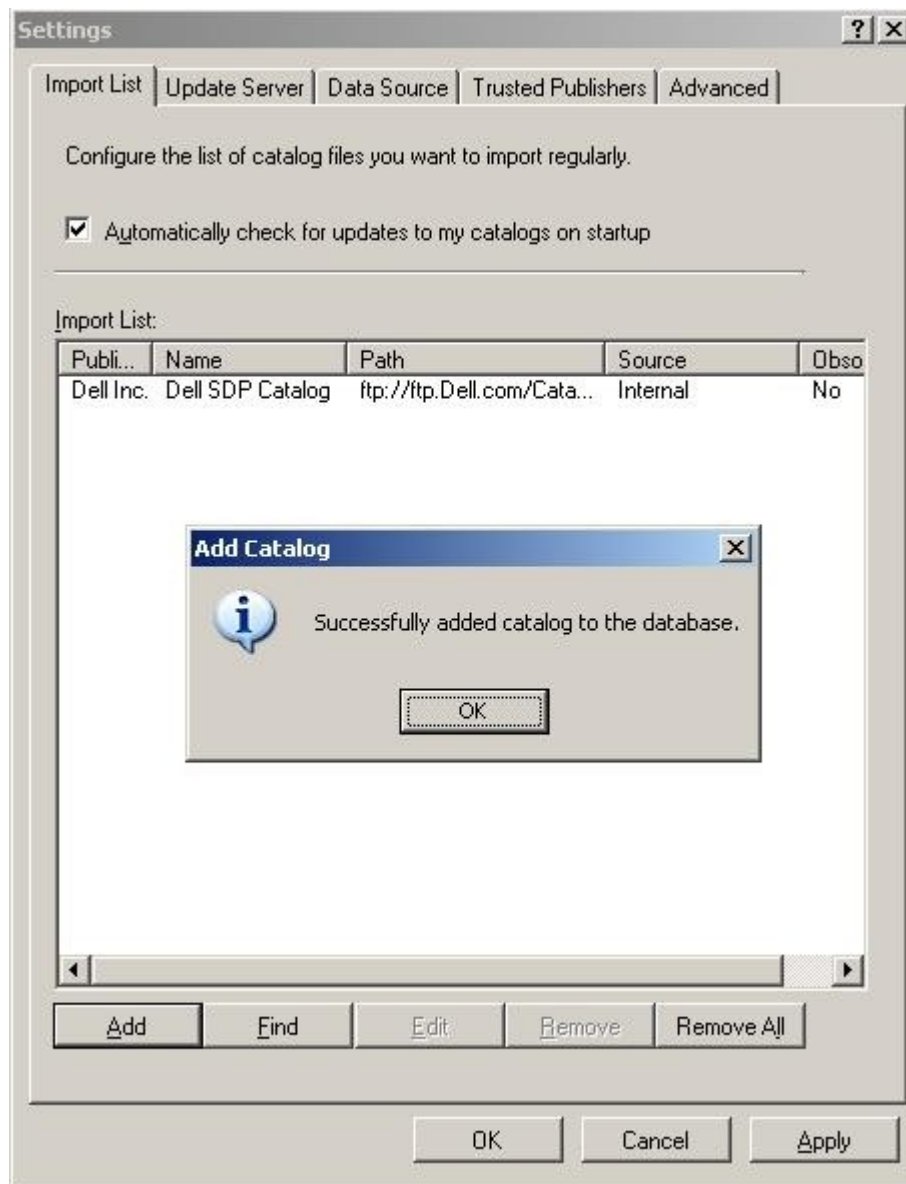
The screenshot shows the 'Settings' application with the 'Edit Catalog' dialog box open. The dialog has a title bar with a question mark and a close button. Below the title bar are tabs for 'Import List', 'Update Server', 'Data Source', 'Trusted Publishers', and 'Advanced'. The 'Edit Catalog' tab is selected. The main area of the dialog contains the following fields and controls:

- Choose Path:** A text box containing `ftp://ftp.Dell.com/Catalog/DellSDPCatalog.cab` and a 'Browse...' button.
- For Example:** A text box containing `\\myserver\myshare\myfile.cab` or `http://mycatalogweb/mycatalog.cab`.
- Publisher:** A text box containing 'Dell Inc.'
- Name:** A text box containing 'Dell SDP Catalog'
- Description:** A text box containing 'Dell SDP Catalog for SCCM or SCE 2007'
- Support:** A text box containing `http://support.dell.com/`
- Import Settings:** A group box containing two checkboxes:
 - Require approval of unsigned catalogs from this location during import
 - Always flag these updates for publishing
- Buttons:** 'OK', 'Cancel', and 'Apply' buttons are located at the bottom of the dialog.

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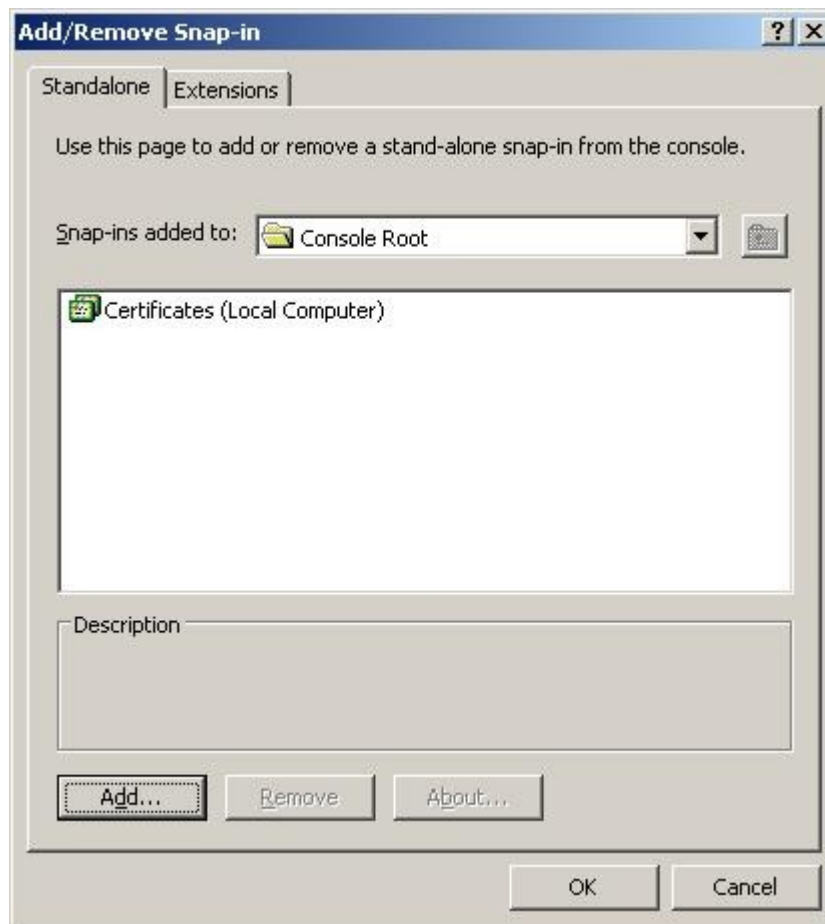
5. The Dell Catalog will now appear under the Import List; to receive automated updates on the Catalog check the “**Automatically check for updates to my catalogs on startup**” box.

Note: IT administrators are still required to launch the SCUP in order for automatic catalog update check to occur. The check will notify the administrator of updated Dell Catalog's available for download.



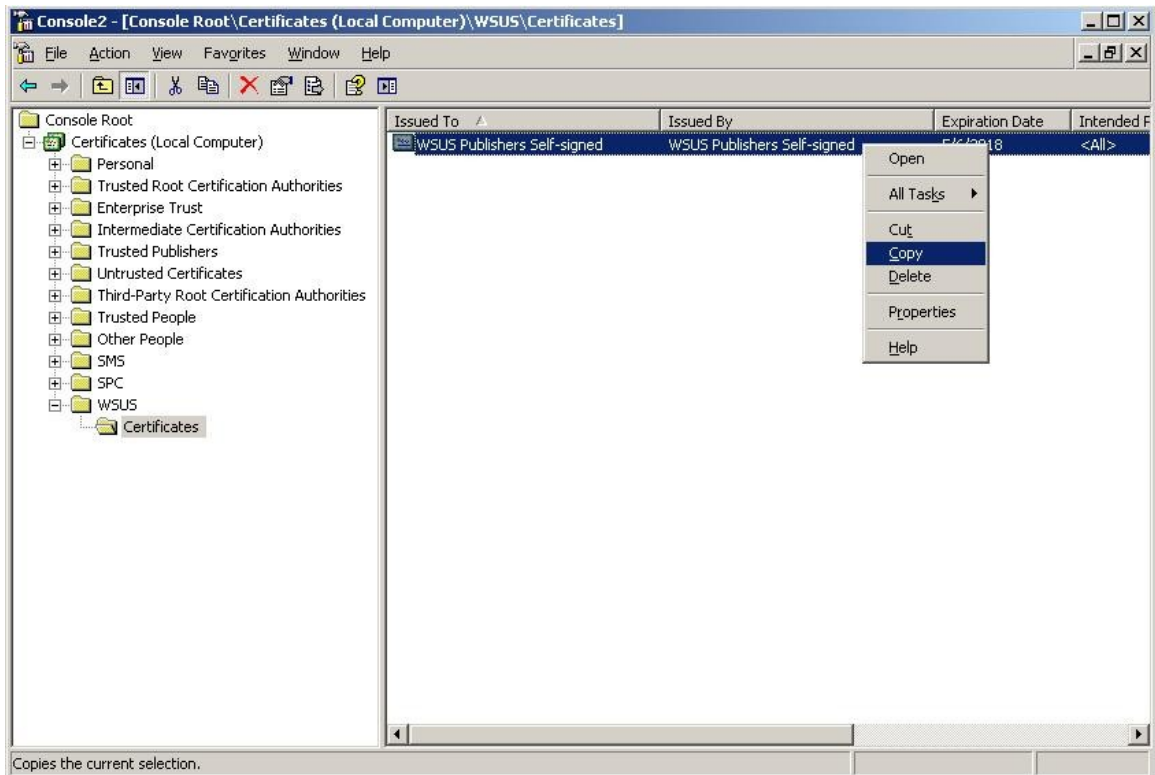
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6. On the Operating System that is hosting the WSUS database click the Windows **Start** button and select the **Run** option. Type **MMC** and click **OK**. Next click the **File > Add/Remove Snap-in**. Click the **Add** button and select **Certificates > Add > Computer Account > Next > Local Computer > Finish**. Press **Close** on the Add/Remove Snap-in pop-up menu. Press **OK** on the Add/Remove Snap-in menu.



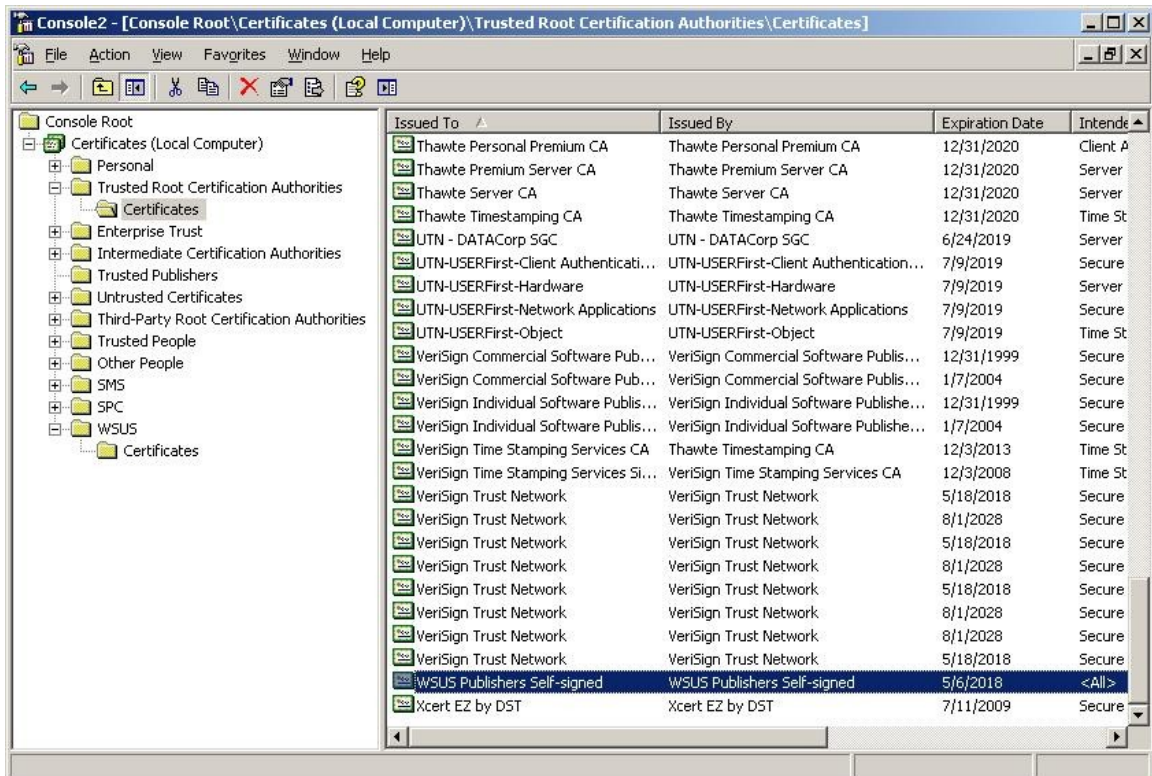
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- Expand the Certificates tree and select the **WSUS > Certificates** folder, select the **WSUS Publishers Self-signed** certificate right click and choose **Copy**.



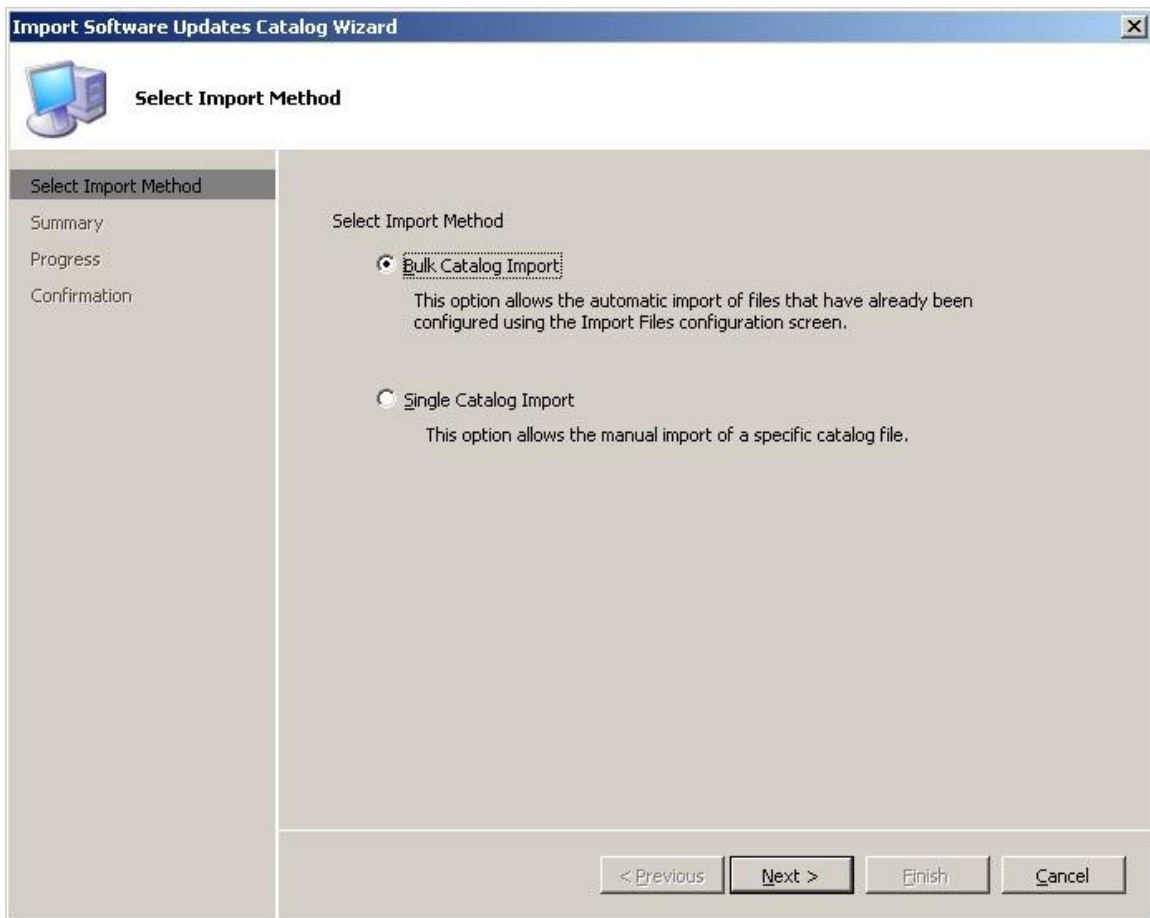
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- From the Certificates tree select **Trusted Root Certification Authorities > Certificates** and click **Action > Paste**. Close the MMC Console.



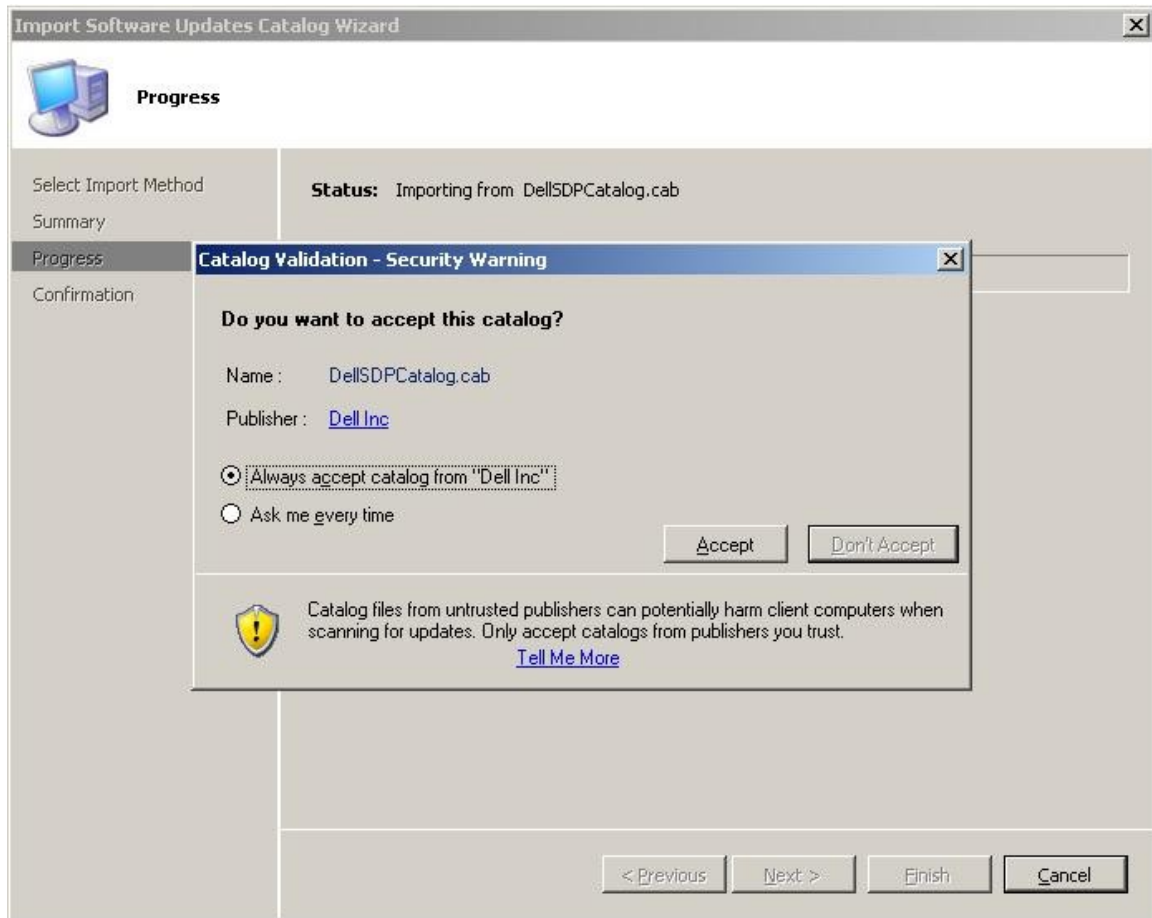
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9. Back at the SCUP front page click **Action > Import Updates**; this will launch the Import Software Updates Catalog Wizard. Select **Bulk Catalog Import** then **Next**.



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10. A summary will be displayed of importing the Dell Catalog. Also for the first time a Security Warning will prompt to accept the Dell Catalog. Choose **"Always accept catalog from Dell Inc."** for no further prompts to occur.



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11. Click **Close** after import is complete and SCUP will return back to the SCUP front page. Under the Console Tree the Dell group will now be present with three sub-categories; Bios, Drivers and Applications, and Firmware. Browse the categories to select individual updates to publish or click the top level Dell group and select **Set All Publish Flags** from the Action Tree menu to publish all updates.

*Note: At a minimum publish the **Dell OpenManage Inventory Agent** located in the Dell Drivers and Applications section. This agent is the inventory collection tool that must first be installed on SCCM Dell managed clients to collect inventory and populate to Windows Management Instrumentation (WMI) so that all other updates can be evaluated.*

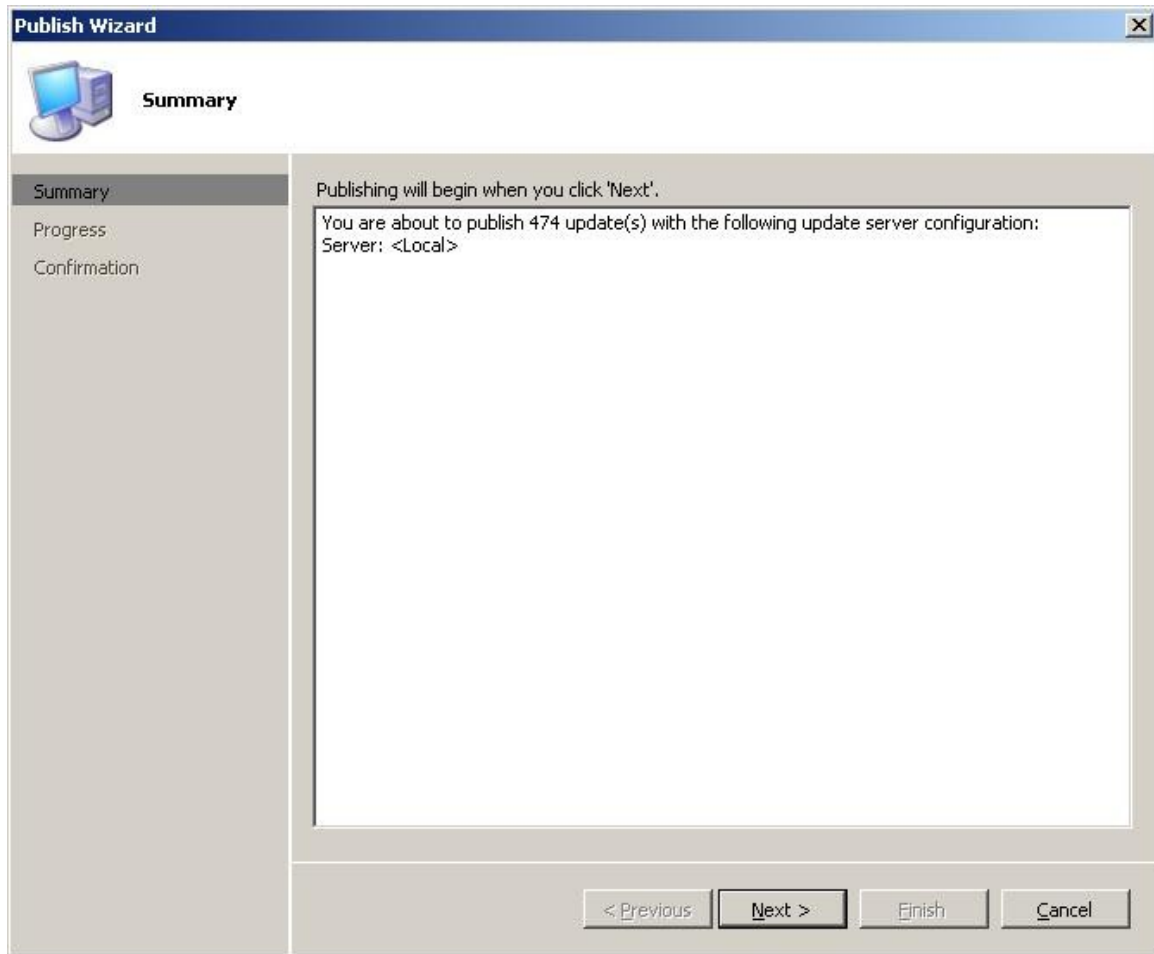
The screenshot displays the System Center Updates Publisher (SCUP) application. The main window shows a list of updates with columns for Name, Severity, Type, Creation Date, Language, Publish, and Expire. The 'Dell OpenManage Inventory Agent' is highlighted in blue. Below the list, the 'Software Update Details' pane shows the following information for the selected update:

Field	Value
Update ID:	R182910
Article ID:	
Classification:	Updates
Severity:	Important
Creation Date:	4/16/2008 11:48:49 AM
Language:	English
Description:	Dell OpenManage Inventory Agent is a data provider for Microsoft WMI to inventory information for Dell supported devices. This service is run at boot time and then stopped automatically.
Publish Status:	True
Expire:	False

The right-hand side of the interface shows the 'Actions' pane with various options, including 'Set All Publish Flags' which is highlighted in green. The console tree on the left shows the 'Dell' group expanded to show 'Drivers and Applications'.

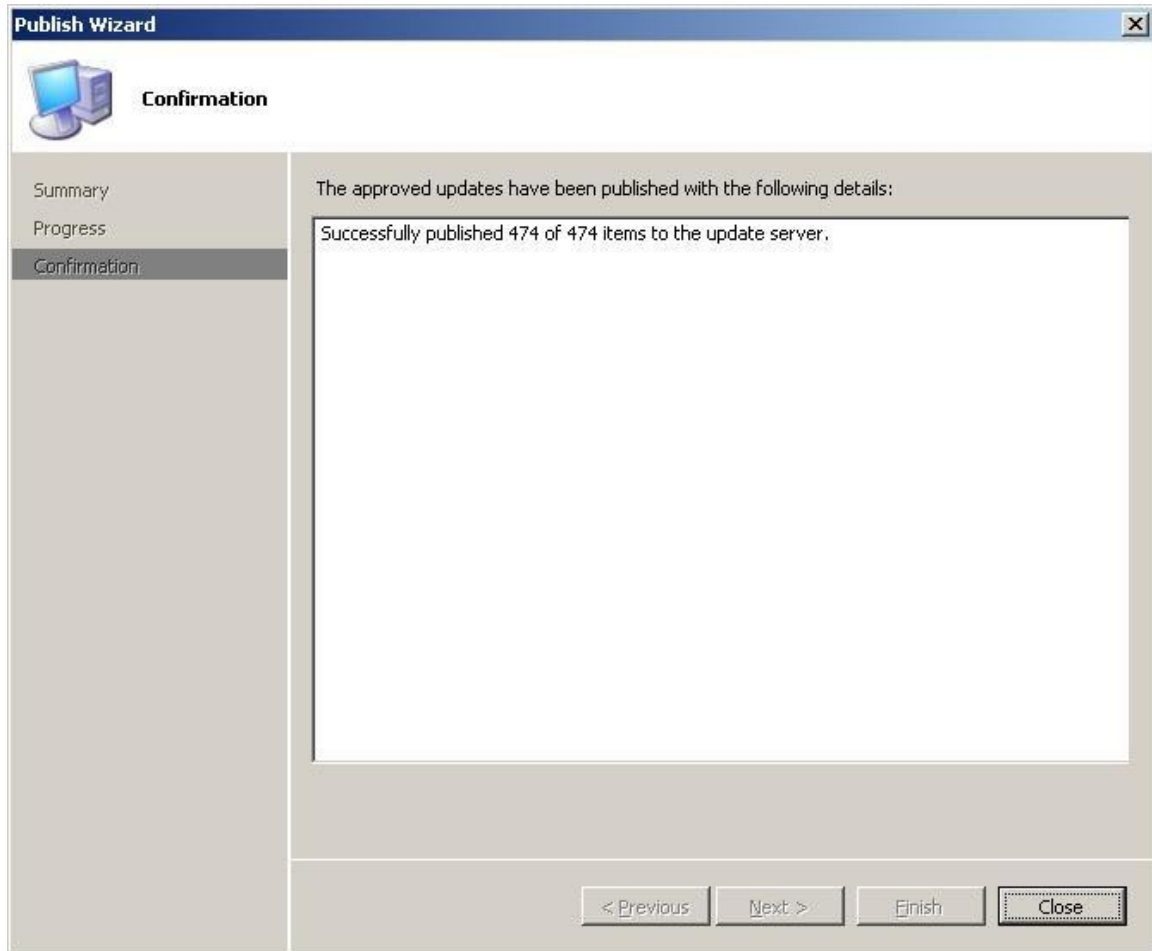
Dell Catalog for MSFT SCCM Patch Management

- Next in the Actions Tree select **Publish Updates**; this will bring up the Publish Wizard. A summary of the total number of updates will be displayed, Click **Next** to begin downloading the updates from the Internet.



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13. When completed, a confirmation will be displayed indicating updates published or updates that failed to publish. As new Dell updates are released, steps from 9 to 13 will need to be repeated.



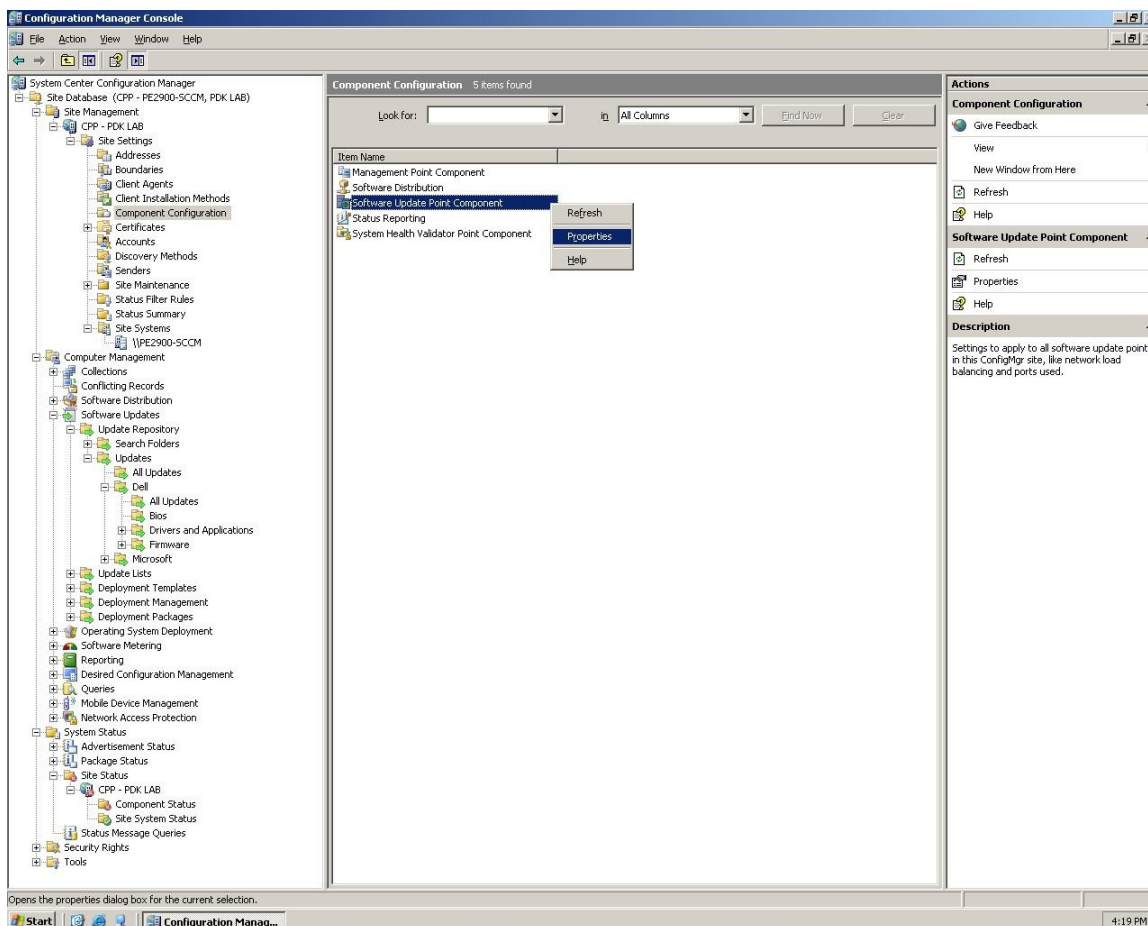
This completes the publishing tasks needed to import Dell updates into the WSUS environment. Continue to the next section to import the Dell updates into SCCM.

SECTION 5

How to Use SCCM to Deploy the Updates

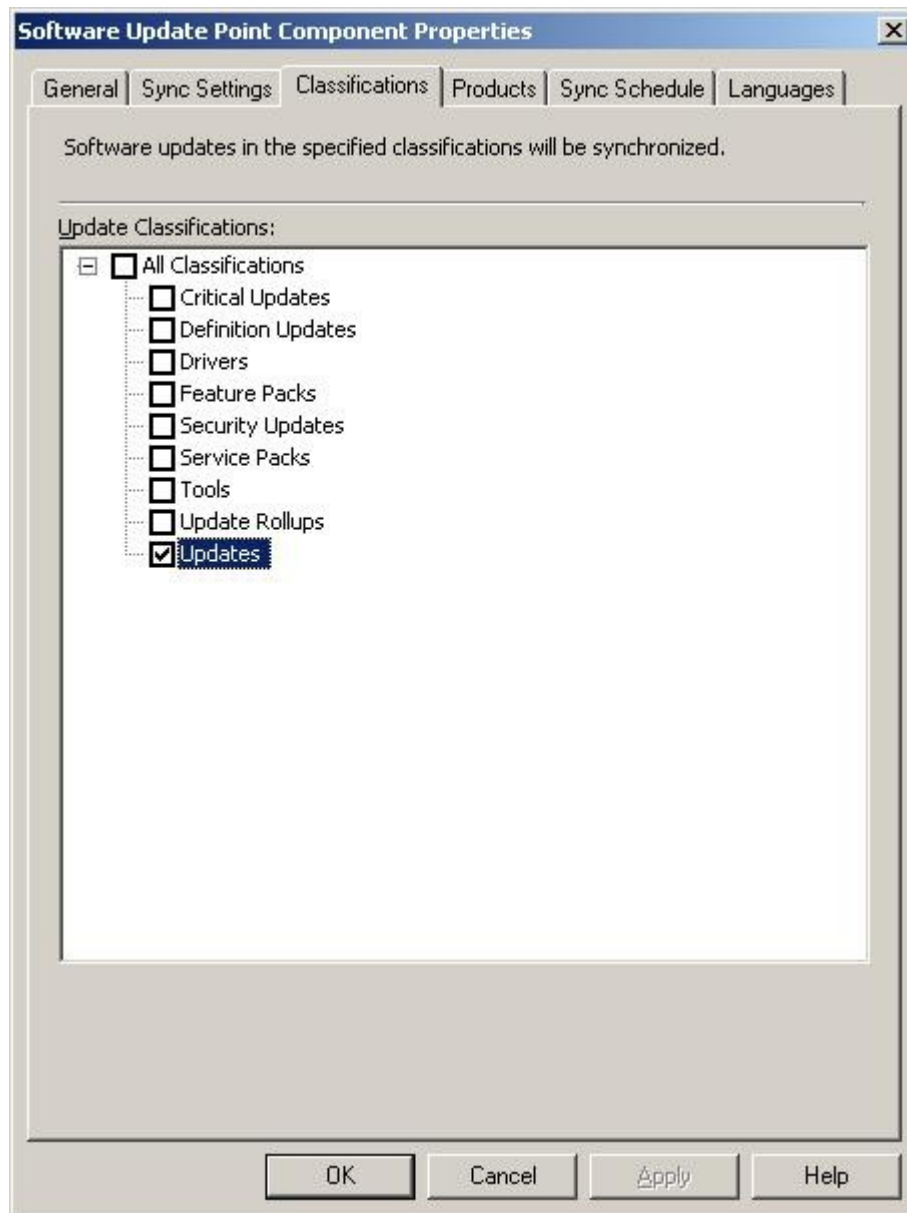
The next steps will cover importing updates from WSUS into SCCM; these steps assume SCCM is already setup and configured for the environment. For information about how to setup SCCM, see the Microsoft website at <http://www.microsoft.com/systemcenter/configmgr/default.mspx>.

1. In SCCM under the Console Tree expand the **Site Database > Site Management > %Site Name% > Site Settings > Component Configuration** group and select the properties of the **Software Update Point Component**.



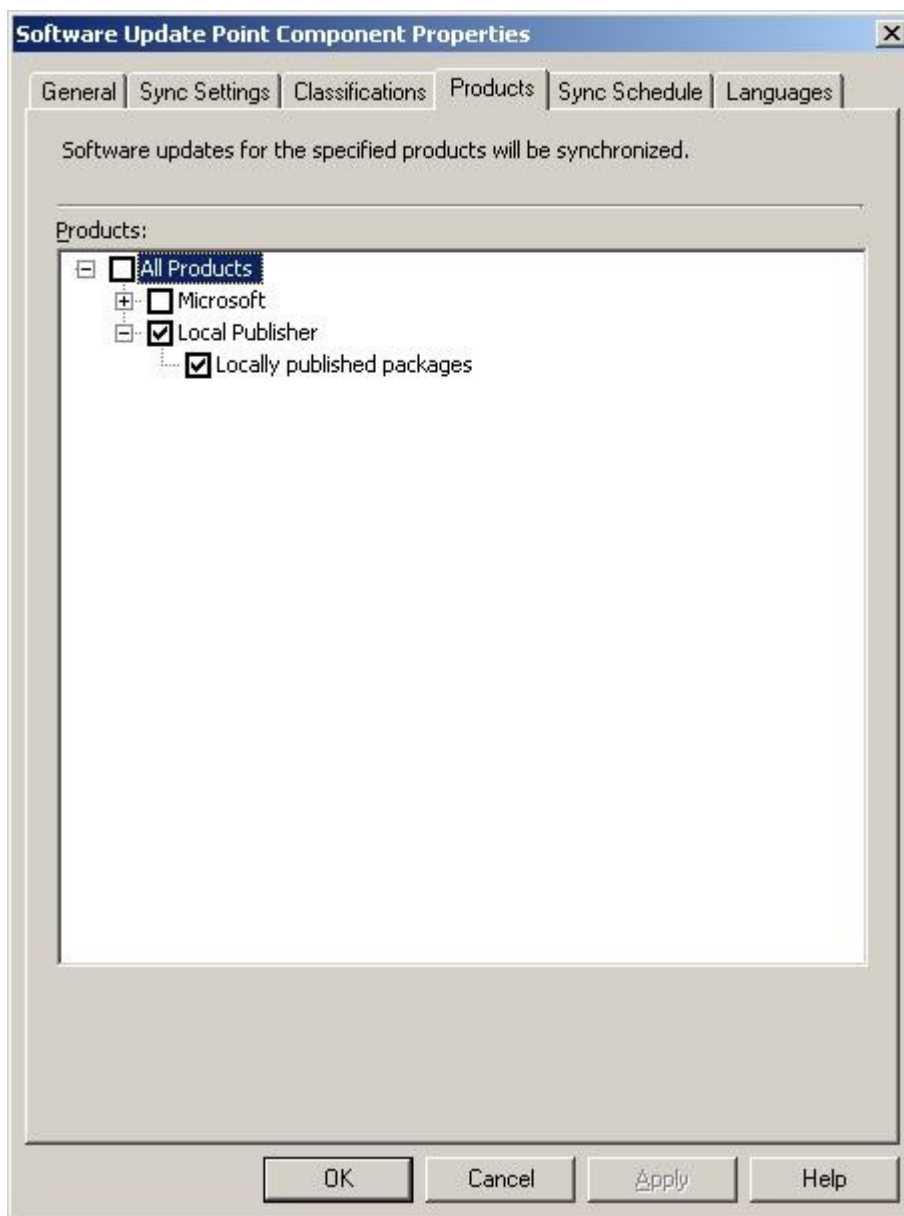
Dell Catalog for MSFT SCCM Patch Management

2. The Software Update Point Component Properties screen will appear, switch to the **Classifications** tab and ensure **Updates** is checked then click OK.



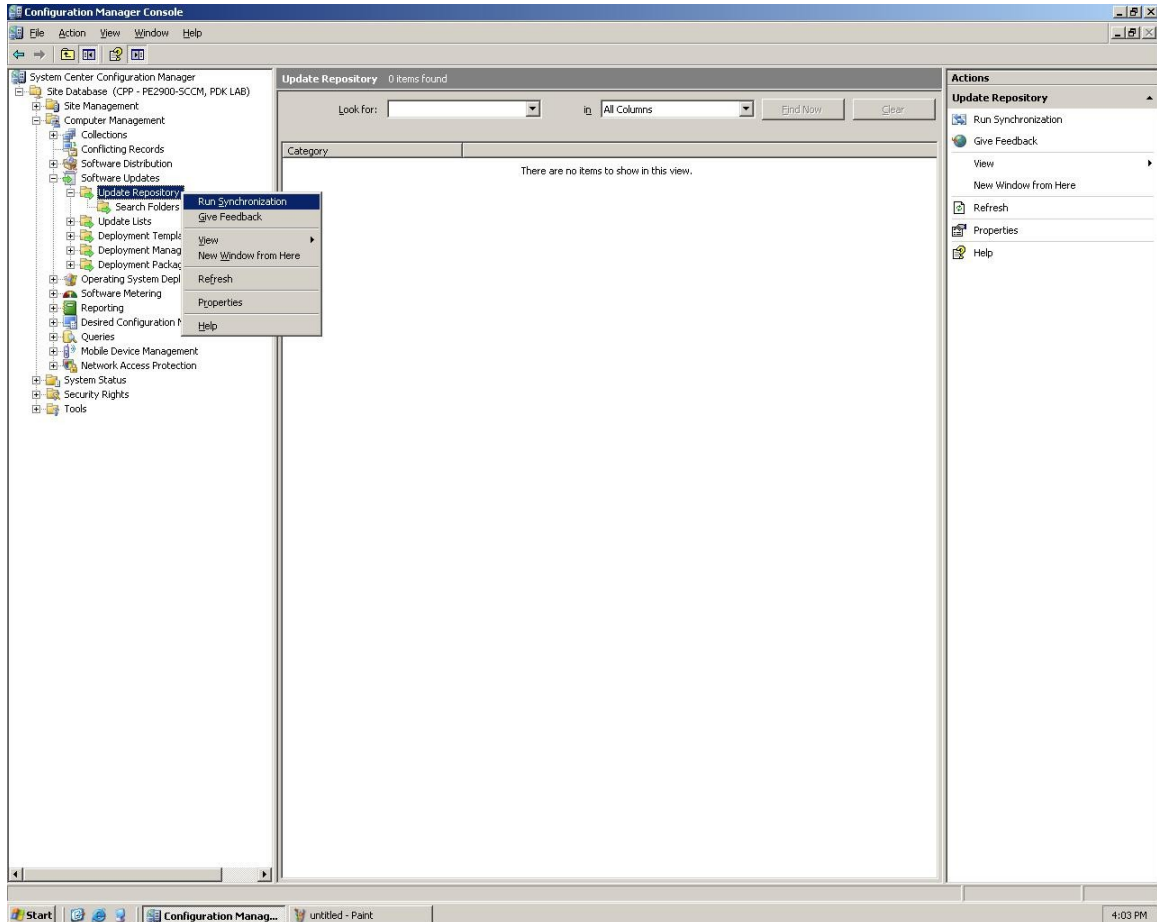
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3. Switch to the **Products** tab and ensure **Local Publisher** is checked then click **OK**.



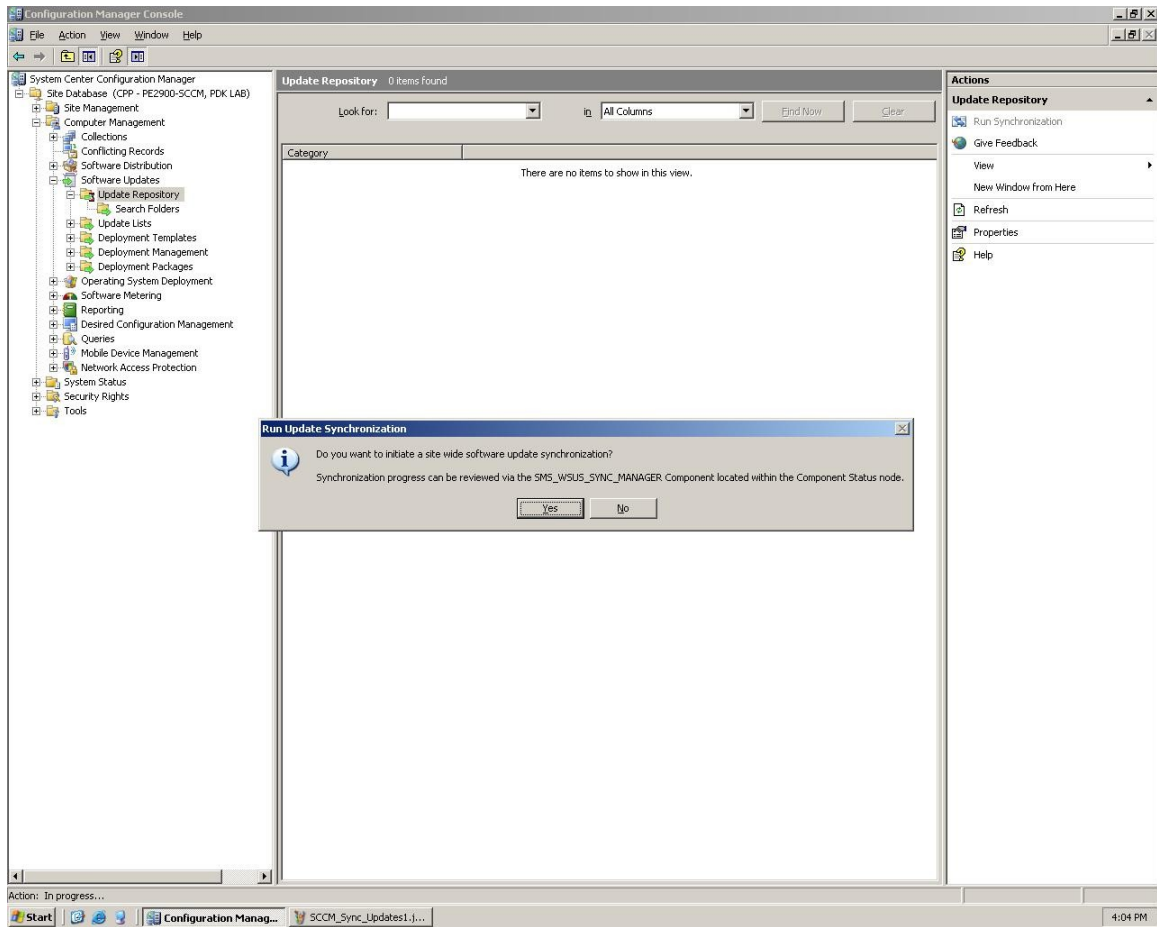
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4. In SCCM under the Console Tree expand the **Site Database > Computer Management > Software Updates > Update Repository** and right click Update Repository and select **Run Synchronization**.



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5. A Run Update Synchronization pop-up will confirm running synchronization, click **Yes**.



6. To view synchronization status, navigate to **Site Database > System Status > %Site Name% > Component Status > SMS_WSUS_SYNC_MANAGER**, and view all messages.

The screenshot shows the 'ConfigMgr Status Message Viewer' window for the site 'CPP'. The window displays a table of messages related to the 'SMS_WSUS_SYNC_MANAGER' component. The table has the following columns: Severity, Type, Site code, Date / Time, System, Component, Mess..., and Description. The messages are as follows:

Severity	Type	Site code	Date / Time	System	Component	Mess...	Description
Information	Milestone	CPP	5/8/2008 4:15:03 PM	PE2900-SCCM	SMS_WSUS_SY...	6702	SMS WSUS Synchronization done.
Information	Milestone	CPP	5/8/2008 4:13:42 PM	PE2900-SCCM	SMS_WSUS_SY...	6705	SMS WSUS Synchronization in progress. Current phase: Synchronizing SMS Database.
Information	Milestone	CPP	5/8/2008 4:12:41 PM	PE2900-SCCM	SMS_WSUS_SY...	6701	SMS WSUS Synchronization started.

At the bottom of the window, it states 'Command Query : 3 of 3 messages displayed. 1 selected.' and there is a 'NUM' button.

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- Once synchronization has completed, navigate to **Update Repository**, right click and refresh. Then navigate to **Site Database > Computer Management > Software Updates > Update Repository > Updates > Dell > All Updates**; all published updates should now be visible.

The screenshot displays the Configuration Manager Console interface. The left-hand navigation pane shows the hierarchy: System Center Configuration Manager > Site Database (CPP - PE2900-SCCM, PDK LAB) > Computer Management > Software Updates > Update Repository > Updates > Dell > All Updates. The main pane shows a table of updates with columns for Bulletin ID, Title, and Date Released. The selected update is R182910, titled 'Dell OpenManage Inventory Agent', released on 4/16/2008. Below the table, the 'Update Details' tab is active, showing information for the selected update, including the date revised (Wednesday, April 16, 2008), severity rating (Important), and a description: 'Dell OpenManage Inventory Agent is a data provider for Microsoft WMI to inventory information for Dell supported devices. This service is run at boot time and then stopped automatically.' The affected products are listed as 'Drivers and Applications'.

Bulletin ID	Title	Date Released
R182910	Dell OpenManage Inventory Agent	4/16/2008 4:48:...
R182895	Dell BMC Firmware, v.2.05, A09	4/16/2008 11:4...
R182898	Dell BMC Firmware, v.2.05, A10	4/16/2008 11:4...
R182899	Dell BMC Firmware, v.2.05, A11	4/16/2008 11:4...
R182892	Dell BMC Firmware, v.2.06, A05	4/16/2008 11:4...
R182890	Dell BMC Firmware, v.2.03, A07	4/16/2008 11:4...
R182889	Dell BMC Firmware, v.2.03, A07	4/16/2008 11:4...
R182891	Dell BMC Firmware, v.2.06, A07	4/16/2008 11:4...
R182894	Dell BMC Firmware, v.2.06, A07	4/16/2008 11:4...
R168250	Dell PowerVault 110T LTO-2 (Tandberg), v.03.76, A-00	4/15/2008 2:08...
R182768	Dell Remote Access Controller - DRAC 5, v.1.33, A00	4/15/2008 12:3...
R178174	Dell CERC 6/J Integrated, v.6.0.2-0002, A03	4/14/2008 8:09...
R183699	Dell OpenManage Server Administrator Managed Node, v.5.4.0, A01	4/10/2008 12:0...
R170419	Dell SAS 5/R and 6/R Adapter, SAS 5/R and 6/R Integrated, SAS 6/IR Integrated Blades, v.1.24.04.40, A05	3/4/2008 12:42...
R177923	Broadcom NetXtreme Family of Adapters, NetXtreme II Family of Adapters, v.12.0, A00	3/18/2008 7:23...
R177925	Broadcom NetXtreme Family of Adapters, NetXtreme II Family of Adapters, v.12.0, A00	3/18/2008 7:23...
R178171	Dell PERC 6/E Adapter, v.6.0.2-0002, A03	3/18/2008 7:18...
R178172	Dell PERC 6/J Integrated, v.6.0.2-0002, A03	3/18/2008 7:17...
R176960	Dell SAS 6/R Adapter, v.00.20.48.00.06.14.10.00 , A03	3/18/2008 7:16...
R176968	Dell SAS 6/R Integrated, v.00.20.48.00.06.14.10.00 , A03	3/18/2008 7:15...
R176969	Dell SAS 6/R Integrated Blades, v.00.20.48.00.06.14.10.00 , A03	3/18/2008 7:15...
R170420	Dell SAS 5/R and 6/R Adapter, SAS 5/R and 6/R Integrated, SAS 6/IR Integrated Blades, v.1.24.04.40, A05	3/18/2008 7:13...
R170421	Dell SAS 5/R Integrated, SAS 5/R Adapter, v.1.24.04.40, A05	3/18/2008 7:10...
R176235	Dell SAS 5/J Integrated, SAS 5/E Adapter, v.1.24.04.40, A06	3/18/2008 7:09...
R176232	Dell SAS 5/J Integrated, SAS 5/E Adapter, v.1.24.04.40, A06	3/18/2008 7:08...
R170409	Dell SAS 5/J Integrated, v.1.24.04.40, A06	3/18/2008 7:04...

Dell Catalog for MSFT SCCM Patch Management

- Under the All Updates section locate the **Dell OpenManage Inventory Agent** and take notice of the compliance state where all client systems will be evaluated to unknown.

The screenshot displays the Configuration Manager Console interface. The left-hand navigation pane shows the hierarchy of updates, with 'All Updates' selected under the 'Updates' folder. The main pane displays a table of updates, with the 'Dell OpenManage Inventory Agent' update (Bulletin ID R182910) highlighted. The table shows that this update is not installed on any of the 5 client systems, resulting in a 0.00% compliance rate.

Bulletin ID	Title	% Compliant	Installed	Required	Not Required	Unknown	Total	Severity	License...
R182910	Dell OpenManage Inven...	0.00 %	0	0	0	5	5	Important	N/A
R182895	Dell BMC Firmware, v.2...	0.00 %	0	0	0	5	5	Important	N/A
R182898	Dell BMC Firmware, v.2...	0.00 %	0	0	0	5	5	Important	N/A
R182899	Dell BMC Firmware, v.2...	0.00 %	0	0	0	5	5	Important	N/A
R182892	Dell BMC Firmware, v.2...	0.00 %	0	0	0	5	5	Important	N/A
R182890	Dell BMC Firmware, v.2...	0.00 %	0	0	0	5	5	Important	N/A
R182889	Dell BMC Firmware, v.2...	0.00 %	0	0	0	5	5	Important	N/A
R182891	Dell BMC Firmware, v.2...	0.00 %	0	0	0	5	5	Important	N/A
R182894	Dell BMC Firmware, v.2...	0.00 %	0	0	0	5	5	Important	N/A
R168250	Dell PowerVault 110T LT...	0.00 %	0	0	0	5	5	Important	N/A
R182768	Dell Remote Access Con...	0.00 %	0	0	0	5	5	Important	N/A
R178174	Dell CERC 6/i Integrate...	0.00 %	0	0	0	5	5	Important	N/A
R183699	Dell OpenManage Serve...	0.00 %	0	0	0	5	5	Moderate	N/A
R170419	Dell SAS 5/iR and 6/iR A...	0.00 %	0	0	0	5	5	Important	N/A
R177923	Broadcom NetXtreme Fa...	0.00 %	0	0	0	5	5	Important	N/A
R177925	Broadcom NetXtreme Fa...	0.00 %	0	0	0	5	5	Important	N/A
R178171	Dell PERC 6/i Adapter, ...	0.00 %	0	0	0	5	5	Important	N/A
R178172	Dell PERC 6/i Integrated...	0.00 %	0	0	0	5	5	Important	N/A
R176960	Dell SAS 6/iR Adapter, v...	0.00 %	0	0	0	5	5	Important	N/A
R176968	Dell SAS 6/iR Integrated...	0.00 %	0	0	0	5	5	Important	N/A
R176969	Dell SAS 6/iR Integrate...	0.00 %	0	0	0	5	5	Important	N/A
R170420	Dell SAS 5/iR and 6/iR A...	0.00 %	0	0	0	5	5	Important	N/A
R170421	Dell SAS 5/iR Integrate...	0.00 %	0	0	0	5	5	Important	N/A
R176235	Dell SAS 5/i Integrated, ...	0.00 %	0	0	0	5	5	Critical	N/A
R176232	Dell SAS 5/i Integrated, ...	0.00 %	0	0	0	5	5	Important	N/A
R170409	Dell SAS 5/i Integrated, ...	0.00 %	0	0	0	5	5	Important	N/A
R178325	Dell Server BIOS, 1.4.0	0.00 %	0	0	0	5	5	Important	N/A
R178424	Dell Server BIOS, 1.4.3	0.00 %	0	0	0	5	5	Important	N/A
R178423	Dell Server BIOS, 1.4.4	0.00 %	0	0	0	5	5	Important	N/A
R178444	Broadcom NetXtreme Ba...	0.00 %	0	0	0	5	5	Important	N/A
R178443	Broadcom NetXtreme II ...	0.00 %	0	0	0	5	5	Important	N/A
R178442	Broadcom NetXtreme Ba...	0.00 %	0	0	0	5	5	Important	N/A
R178441	Broadcom NetXtreme II ...	0.00 %	0	0	0	5	5	Important	N/A
R179941	Dell PowerVault RD1000...	0.00 %	0	0	0	5	5	Important	N/A
R180605	Dell iDRAC v1.0, v.1.02...	0.00 %	0	0	0	5	5	Important	N/A
R180606	Dell iDRAC v1.0, v.1.02...	0.00 %	0	0	0	5	5	Important	N/A
R177926	Broadcom NetXtreme Fa...	0.00 %	0	0	0	5	5	Important	N/A
R177924	Broadcom NetXtreme Fa...	0.00 %	0	0	0	5	5	Important	N/A
R178050	Broadcom NetXtreme Ba...	0.00 %	0	0	0	5	5	Important	N/A
R178048	Broadcom NetXtreme II ...	0.00 %	0	0	0	5	5	Important	N/A
R178015	Intel PRO PCI-E Gigabit ...	0.00 %	0	0	0	5	5	Important	N/A
R178021	Intel PRO PCI-E Gigabit ...	0.00 %	0	0	0	5	5	Important	N/A
R178022	Intel Intel PCI-E 10Gig a...	0.00 %	0	0	0	5	5	Important	N/A
R178024	Intel Intel PCI-E 10Gig a...	0.00 %	0	0	0	5	5	Important	N/A
R178025	Intel PRO PCI-E Gigabit ...	0.00 %	0	0	0	5	5	Important	N/A
R178033	Intel PRO PCI-E Gigabit ...	0.00 %	0	0	0	5	5	Important	N/A

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- After clients perform their next software update scan cycle, the OpenManage Inventory Agent applicability will be reported to the SCCM site.

The screenshot shows the Configuration Manager Console interface. The left-hand pane displays a tree view of the console's structure, with 'All Updates' selected under the 'Updates' folder. The main pane shows a list of 221 updates. The table below represents the data shown in the screenshot.

Bulletin ID	Title	% Compliant	Installed	Required	Not Required	Unknown	Total	Severity	Date Released
R182910	Dell OpenManage Inventory Agent	0.00 %	0	4	0	1	5	Important	4/16/2008 4:44
R182895	Dell BMC Firmware, v.2.05, A09	0.00 %	0	0	0	5	5	Important	4/16/2008 11:14
R182898	Dell BMC Firmware, v.2.05, A10	0.00 %	0	0	0	5	5	Important	4/16/2008 11:14
R182899	Dell BMC Firmware, v.2.05, A11	0.00 %	0	0	0	5	5	Important	4/16/2008 11:14
R182892	Dell BMC Firmware, v.2.06, A05	0.00 %	0	0	0	5	5	Important	4/16/2008 11:14
R182890	Dell BMC Firmware, v.2.03, A07	0.00 %	0	0	0	5	5	Important	4/16/2008 11:14
R182889	Dell BMC Firmware, v.2.03, A07	0.00 %	0	0	0	5	5	Important	4/16/2008 11:14
R182894	Dell BMC Firmware, v.2.06, A07	0.00 %	0	0	0	5	5	Important	4/16/2008 11:14
R166250	Dell PowerVault 110T LTO-2-L (T...	0.00 %	0	0	0	5	5	Important	4/15/2008 2:00
R182768	Dell Remote Access Controller - ...	0.00 %	0	0	0	5	5	Important	4/15/2008 12:12
R178174	Dell CERC 6/J Integrated, v.6.0...	0.00 %	0	0	0	5	5	Important	4/14/2008 8:05
R183699	Dell OpenManage Server Adminis...	0.00 %	0	0	0	5	5	Moderate	4/10/2008 12:40
R170419	Dell SAS 5/JR and 6/JR Adapter, ...	0.00 %	0	0	0	5	5	Important	4/4/2008 12:44
R177923	Broadcom NetXtreme Family of A...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:22
R177925	Broadcom NetXtreme Family of A...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:22
R178171	Dell PERC 6/E Adapter, v.6.0.2...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:16
R178172	Dell PERC 6/J Integrated, v.6.0...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:16
R176960	Dell SAS 6/JR Adapter, v.00.20.4...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:16
R176968	Dell SAS 6/JR Integrated, v.00.2...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:16
R176969	Dell SAS 6/JR Integrated Blades, ...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:16
R170420	Dell SAS 5/JR and 6/JR Adapter, ...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:10
R170421	Dell SAS 5/JR Integrated, SAS 5/J...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:10
R176235	Dell SAS 5/J Integrated, SAS 5/E ...	0.00 %	0	0	0	5	5	Critical	3/18/2008 7:06
R176232	Dell SAS 5/J Integrated, SAS 5/E ...	0.00 %	0	0	0	5	5	Critical	3/18/2008 7:06
R170409	Dell SAS 5/J Integrated, v.1.24.0...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:04
R178325	Dell Server BIOS, 1.4.0	0.00 %	0	0	0	5	5	Important	3/18/2008 2:34
R178424	Dell Server BIOS, 1.4.3	0.00 %	0	0	0	5	5	Important	3/18/2008 2:34
R178423	Dell Server BIOS, 1.4.4	0.00 %	0	0	0	5	5	Important	3/18/2008 2:34
R178444	Broadcom NetXtreme Base Drive...	0.00 %	0	0	0	5	5	Important	3/18/2008 2:20
R178443	Broadcom NetXtreme II Base Dr...	0.00 %	0	0	0	5	5	Important	3/18/2008 2:15
R178442	Broadcom NetXtreme Base Drive...	0.00 %	0	0	0	5	5	Important	3/18/2008 2:15
R178441	Broadcom NetXtreme II Base Dr...	0.00 %	0	0	0	5	5	Important	3/18/2008 2:15
R179941	Dell PowerVault RD1000 Internal...	0.00 %	0	0	0	5	5	Important	3/18/2008 2:08
R180605	Dell iDRAC v1.0, v.1.02, A04	0.00 %	0	0	0	5	5	Important	3/6/2008 8:53
R180606	Dell iDRAC v1.0, v.1.02, A03	0.00 %	0	0	0	5	5	Important	3/6/2008 8:52
R177926	Broadcom NetXtreme Family of A...	0.00 %	0	0	0	5	5	Important	3/3/2008 10:34
R177924	Broadcom NetXtreme Family of A...	0.00 %	0	0	0	5	5	Important	3/3/2008 10:34
R178050	Broadcom NetXtreme Base Drive...	0.00 %	0	0	0	5	5	Important	3/3/2008 9:54
R178048	Broadcom NetXtreme II Base Dr...	0.00 %	0	0	0	5	5	Important	3/3/2008 9:54
R178015	Intel PRO PCI-E Gigabit Family of...	0.00 %	0	0	0	5	5	Important	3/3/2008 3:39
R178021	Intel PRO PCI-E Gigabit Family of...	0.00 %	0	0	0	5	5	Important	3/3/2008 3:38
R178022	Intel Intel PCI-E 10Gig and 1Gig ...	0.00 %	0	0	0	5	5	Important	3/3/2008 3:37
R178024	Intel Intel PCI-E 10Gig and 1Gig ...	0.00 %	0	0	0	5	5	Important	3/3/2008 3:35
R178025	Intel PRO PCI-E Gigabit Single an...	0.00 %	0	0	0	5	5	Important	3/3/2008 3:34
R178033	Intel PRO PCI-E Gigabit Single an...	0.00 %	0	0	0	5	5	Important	3/3/2008 3:34

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10. Next select the **Dell OpenManage Inventory Agent** update then click **Action > Deploy Software Updates**.

The screenshot displays the Configuration Manager Console interface. The left-hand navigation pane shows the 'System Updates' tree, with 'All Updates' selected. The main pane displays a table of updates, with the 'Dell OpenManage Inventory Agent' update (Bulletin ID R182910) highlighted. The 'Update Details' pane on the right provides information for the selected update.

Bulletin ID	Title	% Compliant	Installed	Required	Not Required	Unknown	Total	Severity	Date Released
R182910	Dell OpenManage Inventory Agent	0.00 %	0	4	0	1	5	Important	4/16/2008 4:44
R182895	Dell BMC Firmware, v.2.05, A09	0.00 %	0	0	0	5	5	Important	4/16/2008 11:11
R182898	Dell BMC Firmware, v.2.05, A10	0.00 %	0	0	0	5	5	Important	4/16/2008 11:11
R182899	Dell BMC Firmware, v.2.05, A11	0.00 %	0	0	0	5	5	Important	4/16/2008 11:11
R182892	Dell BMC Firmware, v.2.06, A05	0.00 %	0	0	0	5	5	Important	4/16/2008 11:11
R182890	Dell BMC Firmware, v.2.03, A07	0.00 %	0	0	0	5	5	Important	4/16/2008 11:11
R182889	Dell BMC Firmware, v.2.03, A07	0.00 %	0	0	0	5	5	Important	4/16/2008 11:11
R182891	Dell BMC Firmware, v.2.06, A07	0.00 %	0	0	0	5	5	Important	4/16/2008 11:11
R182894	Dell BMC Firmware, v.2.06, A07	0.00 %	0	0	0	5	5	Important	4/16/2008 11:11
R168250	Dell PowerVault 110T LTO-2-L (T...	0.00 %	0	0	0	5	5	Important	4/15/2008 2:08
R182768	Dell Remote Access Controller - ...	0.00 %	0	0	0	5	5	Important	4/15/2008 12:11
R178174	Dell CERC 6/i Integrated, v.6.0...	0.00 %	0	0	0	5	5	Important	4/14/2008 8:05
R183699	Dell OpenManage Server Adminis...	0.00 %	0	0	0	5	5	Moderate	4/10/2008 12:01
R170419	Dell SAS 5/iR and 6/iR Adapter, ...	0.00 %	0	0	0	5	5	Important	4/4/2008 12:44
R177923	Broadcom NetXtreme Family of A...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:22
R177925	Broadcom NetXtreme Family of A...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:22
R178171	Dell PERC 6/E Adapter, v.6.0.2...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:16
R178172	Dell PERC 6/i Integrated, v.6.0...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:17
R176960	Dell SAS 6/iR Adapter, v.00.20.4...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:16
R176968	Dell SAS 6/iR Integrated, v.00.2...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:16
R176969	Dell SAS 6/iR Integrated Blades, ...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:16
R170420	Dell SAS 5/iR and 6/iR Adapter, ...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:11
R170421	Dell SAS 5/iR Integrated, SAS 5/i...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:10
R176235	Dell SAS 5/i Integrated, SAS 5/E ...	0.00 %	0	0	0	5	5	Critical	3/18/2008 7:05
R176232	Dell SAS 5/i Integrated, SAS 5/E ...	0.00 %	0	0	0	5	5	Critical	3/18/2008 7:05
R170409	Dell SAS 5/i Integrated, v.1.24.0...	0.00 %	0	0	0	5	5	Important	3/18/2008 7:05

Update Details | Deployment Status | Content Information | Supersedeance Information

Dell OpenManage Inventory Agent

Bulletin ID: R182910
Article ID:

Date revised: Wednesday, April 16, 2008

Maximum severity rating: Important

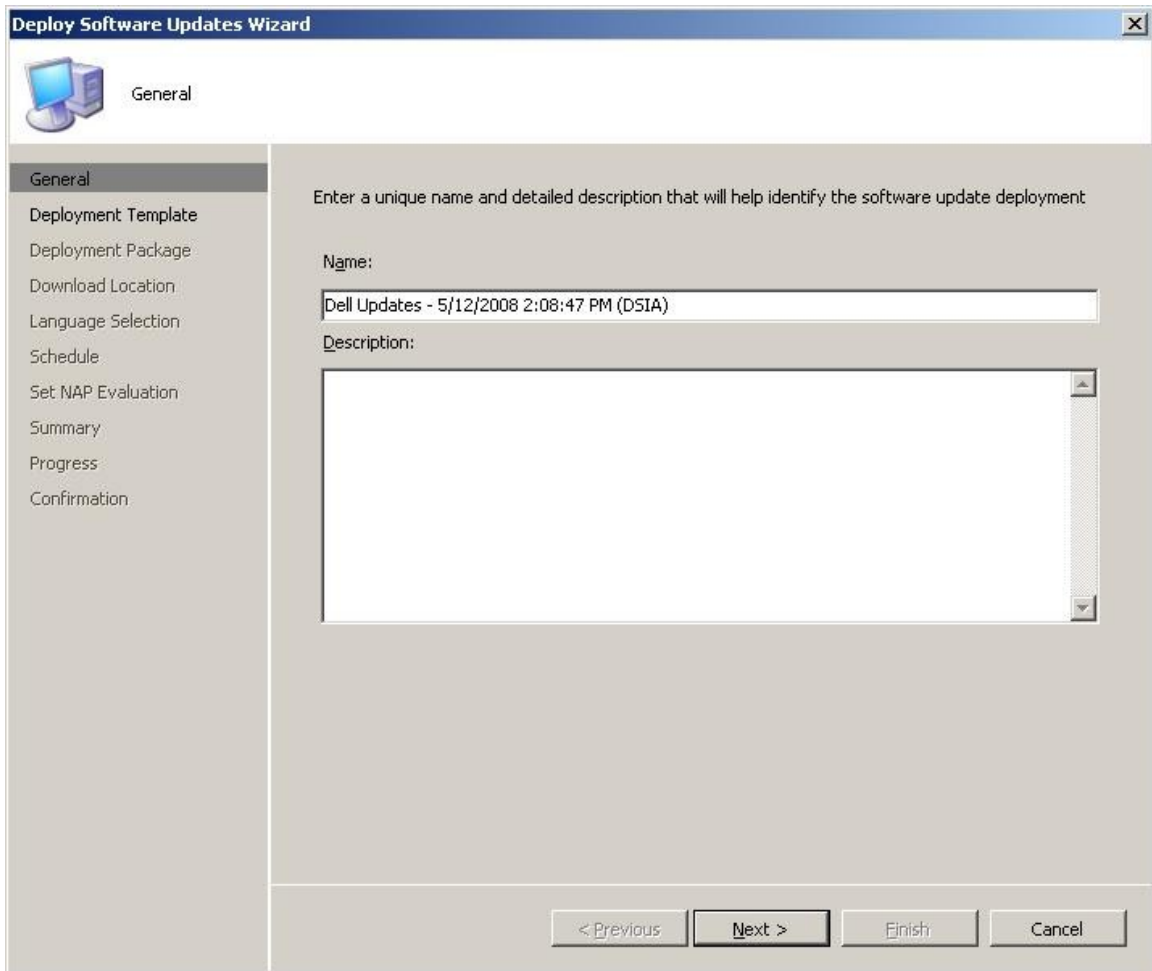
Description:
Dell OpenManage Inventory Agent is a data provider for Microsoft WMI to inventory information for Dell supported devices. This service is run at boot time and then stopped automatically.

Applicable languages:
English

Affected products:
Drivers and Applications

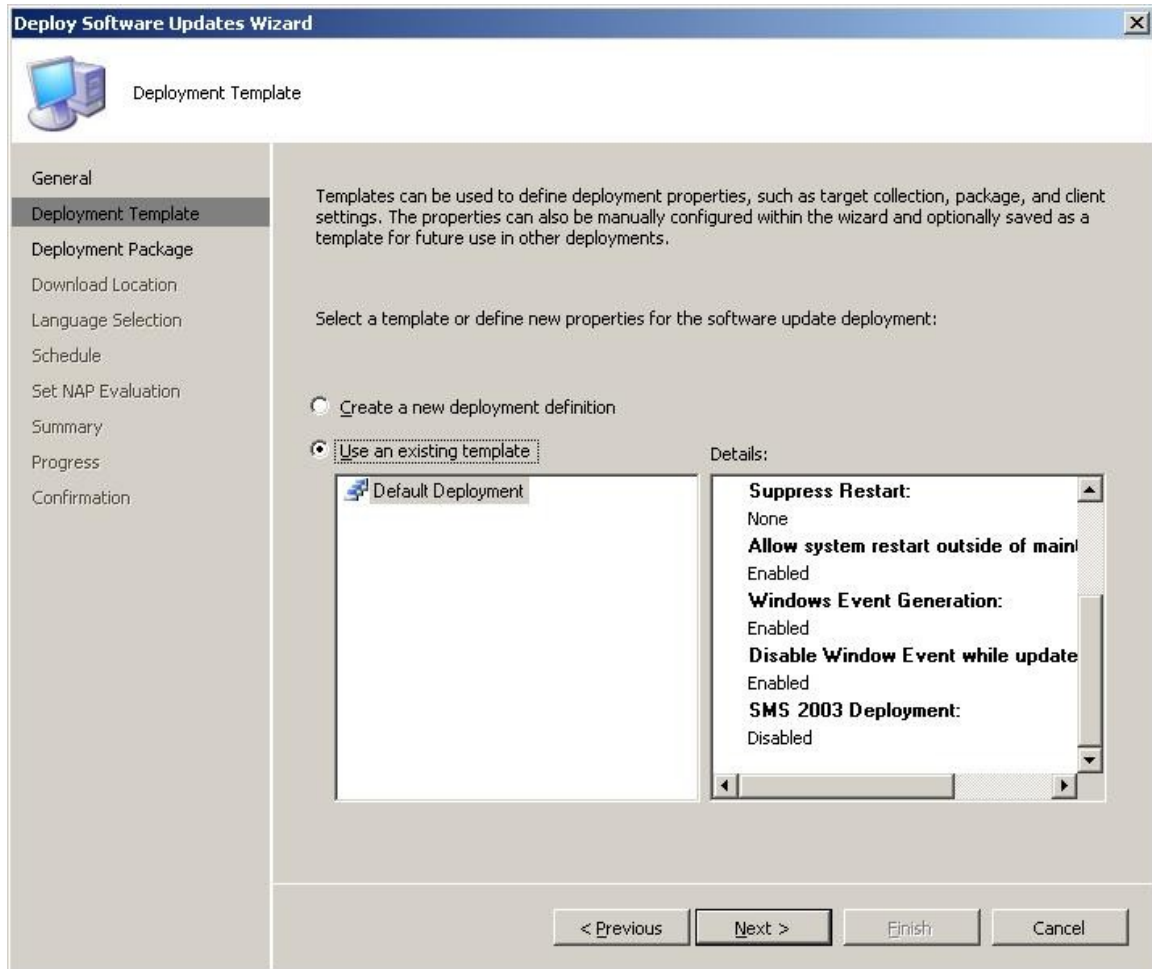
Dell Catalog for MSFT SCCM Patch Management

11. The Deploy Software Updates Wizard will appear. Click **Next** for the default deployment name.



The screenshot shows the "Deploy Software Updates Wizard" dialog box with the "General" tab selected. The window title is "Deploy Software Updates Wizard". On the left, there is a navigation pane with the following options: General (selected), Deployment Template, Deployment Package, Download Location, Language Selection, Schedule, Set NAP Evaluation, Summary, Progress, and Confirmation. The main area contains the text "Enter a unique name and detailed description that will help identify the software update deployment". Below this text, there are two input fields: "Name:" with the text "Dell Updates - 5/12/2008 2:08:47 PM (DSIA)" and "Description:" with an empty text area. At the bottom right, there are four buttons: "< Previous", "Next >", "Finish", and "Cancel".

12. Use an existing deployment template or create one per the environments settings, click **Next**.



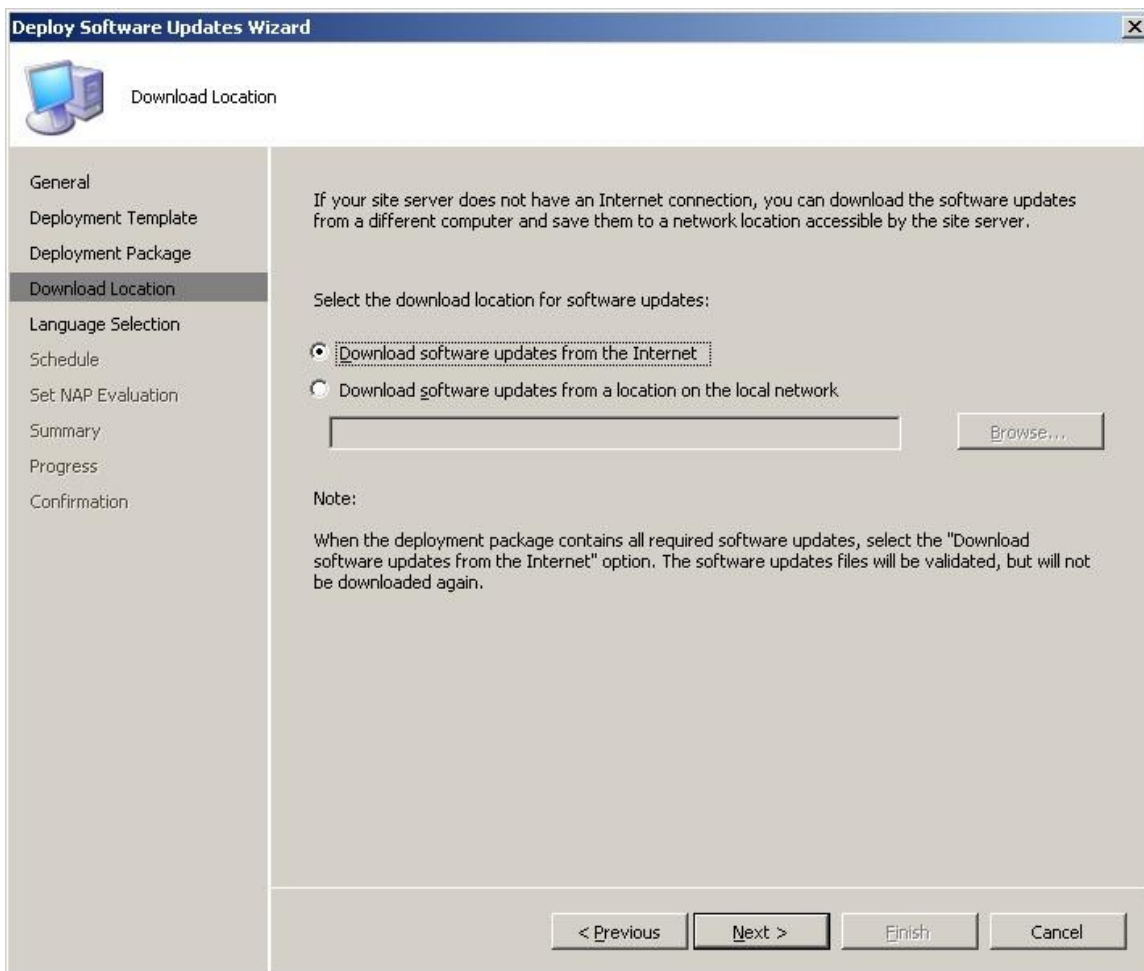
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13. Select a deployment package or create one per the environments settings, click **Next**.

The screenshot shows the 'Deploy Software Updates Wizard' window, specifically the 'Deployment Package' step. The window title is 'Deploy Software Updates Wizard' and it has a close button (X) in the top right corner. The main area is titled 'Deployment Package' and contains the following text: 'The deployment package contains the software update files that will be available to clients as part of the deployment.' Below this, it says 'Select a package, or create a new deployment package.' There are two radio button options: 'Select deployment package' (which is selected) and 'Create a new deployment package'. Under 'Select deployment package', there is a text box containing 'Default Package' and a 'Browse...' button. Under 'Create a new deployment package', there are several text boxes: 'Name:', 'Description:', and 'Package source:'. The 'Package source:' box has a 'Browse...' button next to it. Below these is an example path: 'Example: \\servername\share'. There is also a 'Sending priority:' dropdown menu currently set to 'Medium'. At the bottom, there is a checkbox labeled 'Enable binary differential replication' which is unchecked. At the very bottom of the window, there are four buttons: '< Previous', 'Next >', 'Finish', and 'Cancel'.

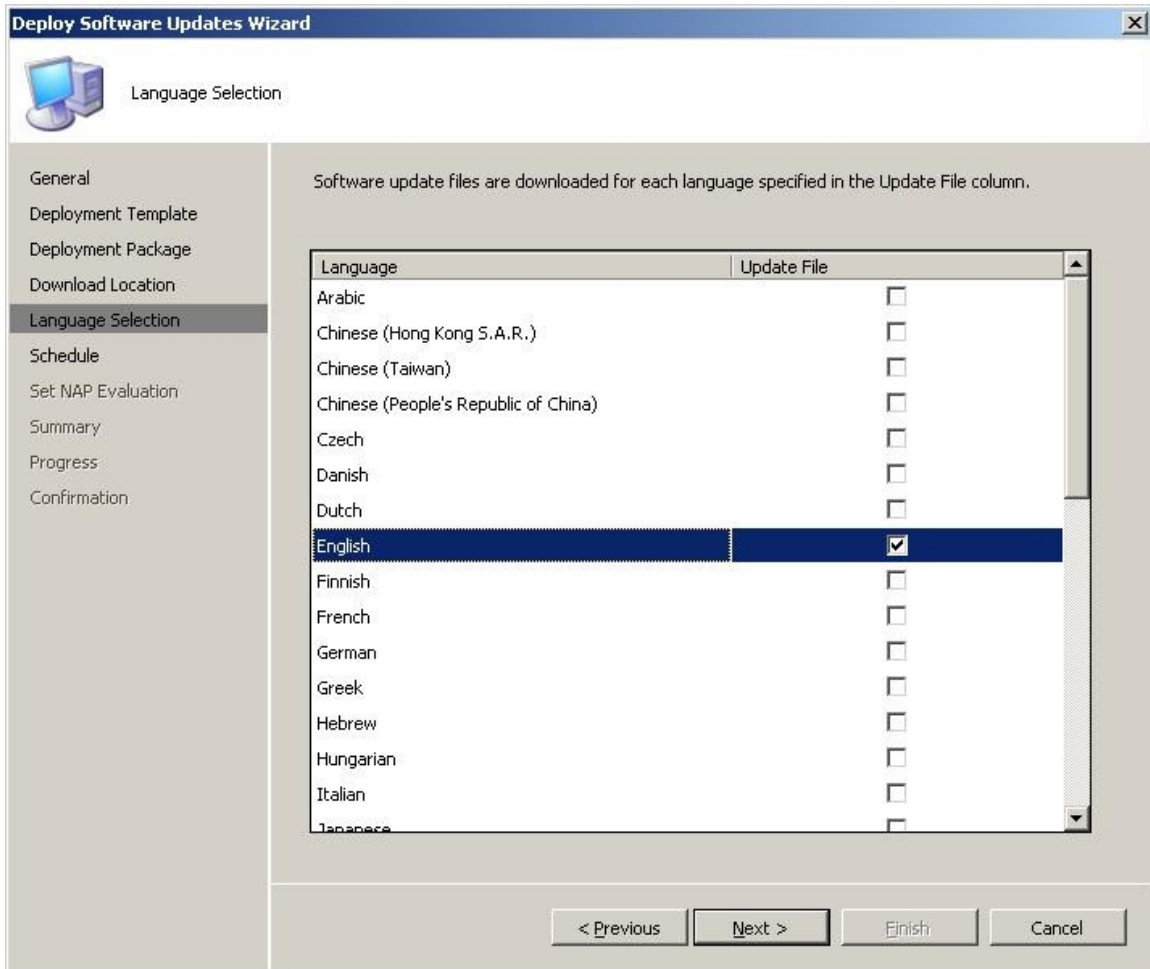
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14. Select “**Download software updates from the Internet**”, then click **Next**.



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15. Check **“English”** from the language selection, then click **Next**.



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16. Set the schedule for when the software updates should be deployed, then click **Next**.

The screenshot shows the 'Deploy Software Updates Wizard' window, specifically the 'Deployment Schedule' step. The window title is 'Deploy Software Updates Wizard' and it has a close button in the top right corner. On the left side, there is a navigation pane with the following items: General, Deployment Template, Deployment Package, Download Location, Language Selection, **Schedule** (highlighted), Set NAP Evaluation, Summary, Progress, and Confirmation. The main area of the wizard is titled 'Deployment Schedule' and contains the following instructions and options:

Select the date and time that software updates will be made available to clients:

- As soon as possible
- Date and time

Below these options are two date and time pickers. The first picker shows '5/12/2008' and the second shows '2:12 PM'. Below these pickers is a horizontal line.

Specify whether the software updates should automatically install on clients at a configured deployment deadline:

- Do not set a deadline for software update installation
- Set a deadline for software update installation

Below these options are two more date and time pickers. The first picker shows '5/12/2008' and the second shows '2:13 PM'. Below these pickers is another horizontal line.

Specify whether at deadline Wake On LAN will be used to send wake-up packets to computers that require updates in this deployment.

- Enable Wake On LAN

If the software update is urgent, it can be installed immediately at the deadline, regardless of configuration maintenance windows.

- Ignore maintenance windows and install immediately at deadline

At the bottom of the wizard, there are four buttons: '< Previous', 'Next >', 'Finish', and 'Cancel'.

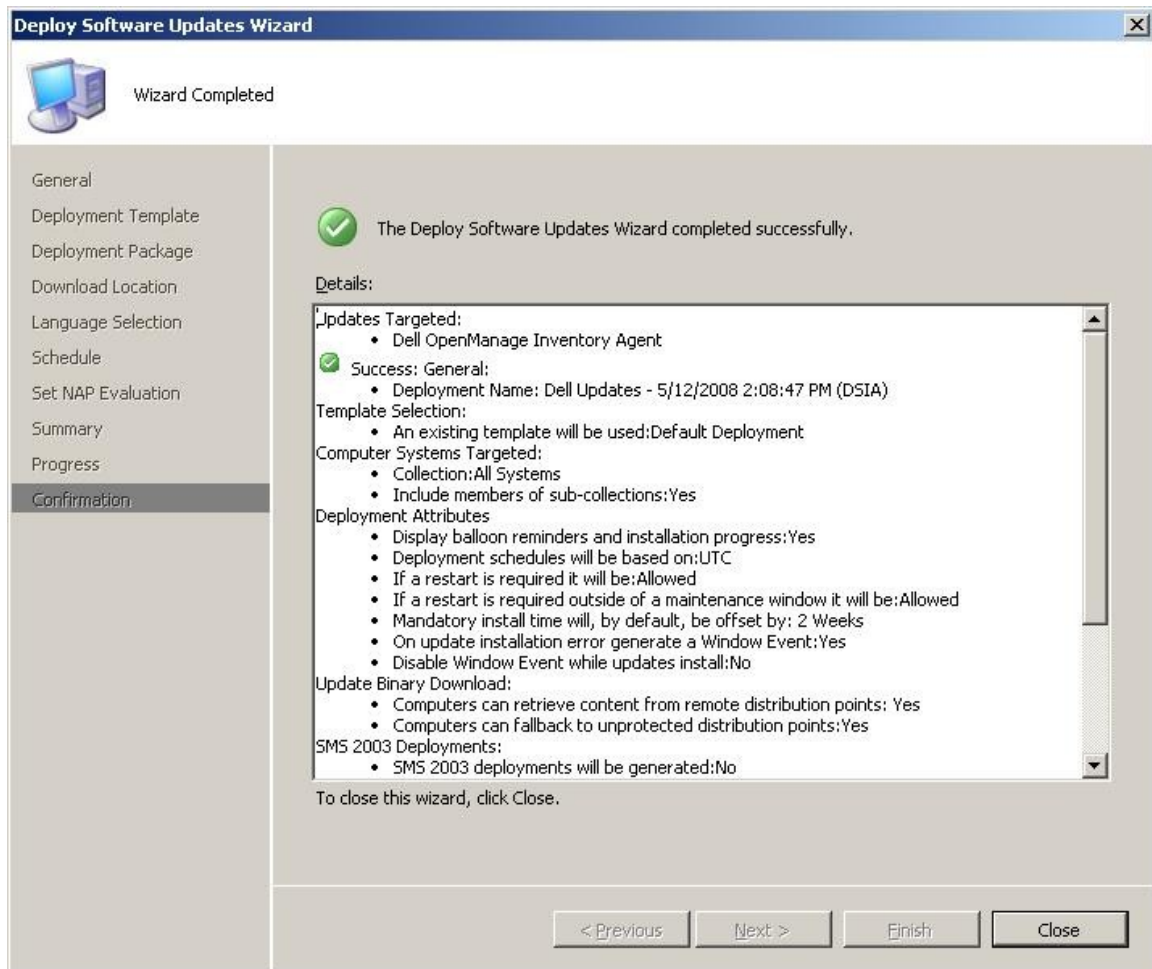
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17. Select the desired settings for NAP evaluation per the environment, then click **Next**.

The screenshot shows the 'Deploy Software Updates Wizard' dialog box, specifically the 'Set NAP Evaluation' step. The window title is 'Deploy Software Updates Wizard' and it has a close button (X) in the top right corner. The main area is titled 'Set NAP Evaluation' and contains the following text: 'Network Access Protection (NAP) in Configuration Manager works with Windows Network Policy Server to enforce compliance of selected software updates. The software updates in this deployment can be included in a NAP evaluation.' Below this text is a checkbox labeled 'Enable NAP evaluation' which is currently unchecked. Underneath the checkbox is the text 'Specify when these policies become effective.' followed by two radio button options: 'As soon as possible' (which is selected) and 'Date and time'. Below the radio buttons are two input fields: the first contains '5/26/2008' and the second contains '2:13 PM'. At the bottom of the dialog box, there are four buttons: '< Previous', 'Next >', 'Finish', and 'Cancel'. An information icon (i) is located above a paragraph of text that reads: 'When the policies become effective, clients might have restricted network access until they comply with the selected software updates. Network restriction and remediation are dependent on how the policies are configured on the Windows Network Policy Server.'

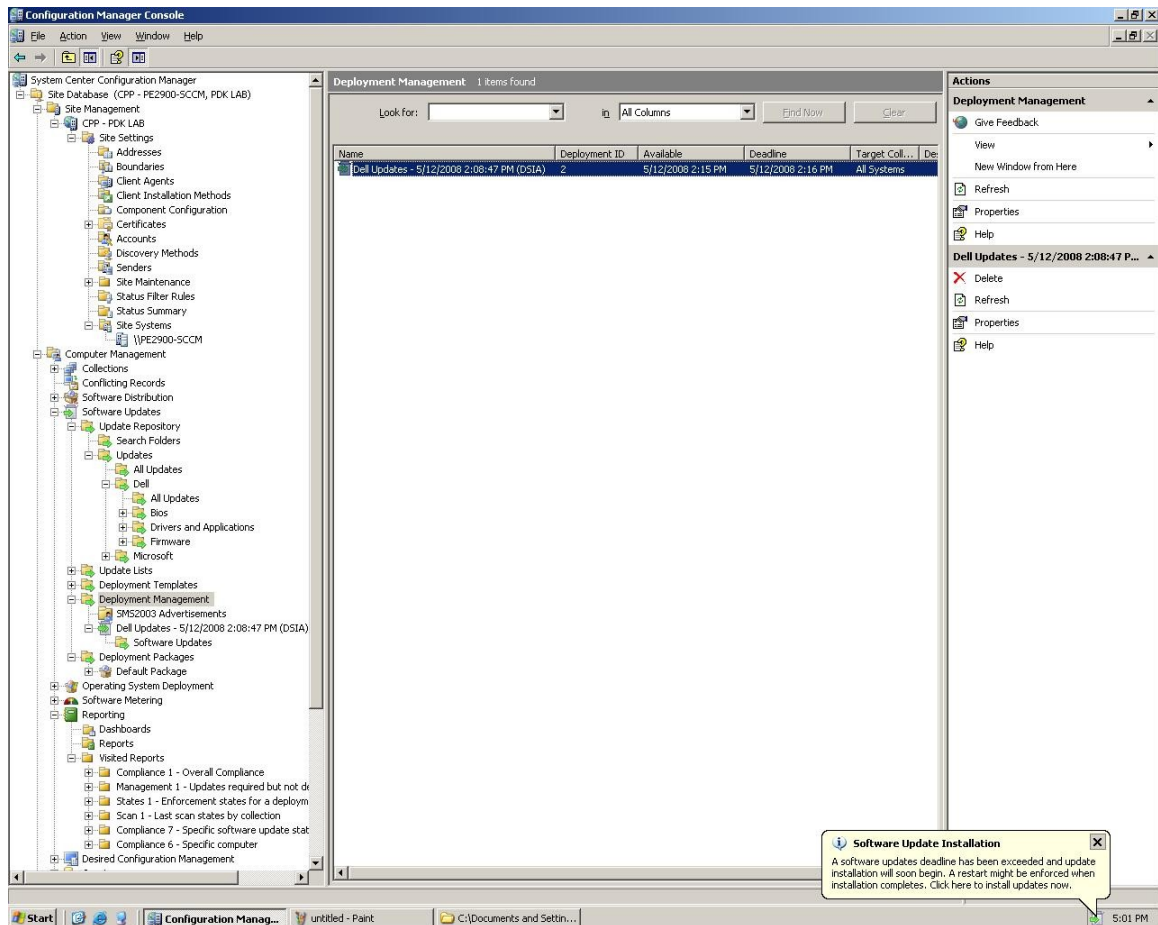
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18. Review the summary and click **Next**. Then review the confirmation and click **Close**.



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19. To review the software deployment or make changes, go to **Site Database > Computer Management > Software Updates > Deployment Management > %Deployment Name%**.



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20. After the Dell OpenManage Inventory Agent has been installed on the SCCM Dell managed clients and the Dell Updates are re-evaluated, the compliancy of Dell updates will reflect what packages have been installed and what packages require update.

The screenshot displays the Configuration Manager Console interface. The main pane shows a list of updates under the 'All Updates' view. The table below represents the data shown in the console.

Bulletin ID	Title	% Compliant	Installed	Required	Not Required	Unknown
R182910	Dell OpenManage Inventory Agent	40.00 %	2	2	0	1
R94800	Intel PRO Gigabit Adapters, v.8.4.21.0, A00...	80.00 %	1	0	3	1
R183699	Dell OpenManage Server Administrator Mana...	80.00 %	1	0	3	1
R99970	LSI Logic PERC3, PERC 4, PERC 4e, CERC AT...	80.00 %	1	0	3	1
R178443	Broadcom NetXtreme II Base Driver Dell Upda...	80.00 %	1	0	3	1
R99806	Dell Backplane Firmware, v.1.00, A01	80.00 %	1	0	3	1
R168515	Dell Remote Access Controller - DRAC 4/i, Re...	80.00 %	1	0	3	1
R169446	Dell Server System BIOS, A0S	80.00 %	0	0	4	1
R170407	Dell SAS 5/E Adapter, v.1.24.04.40, A06	80.00 %	0	0	4	1
R173922	Dell PowerVault LTO3-060 (Tandberg), v.3.8...	80.00 %	0	0	4	1
R172182	Dell SAS Backplane Firmware, v.1.06, A00	60.00 %	0	1	3	1
R175282	Dell Server BIOS 10G, 1.0.0	80.00 %	0	0	4	1
R169490	LSI Logic LSI2032, v.1.03.39.00.S.10.08.00...	80.00 %	0	0	4	1
R168404	Seagate T10, 10K, SAS3.0, 3.5", 146GB, 5GT3...	80.00 %	0	0	4	1
R168400	Seagate HD, 146G, SAS, 3, 10K, 2.5, 5GT2, DU...	80.00 %	0	0	4	1
R168398	Hitachi 10K, SAS, 2.5TFF, 73GB, DU, 10K, SA...	80.00 %	0	0	4	1
R168402	Seagate NS, 10K, SAS3.5", 400GB, DU, v.NS25...	80.00 %	0	0	4	1
R168439	Fujitsu AL105K, 2.5", 15K, SAS, 73GB, DU, A...	80.00 %	0	0	4	1
R168437	Fujitsu AL105E, 2.5", 10K, SAS, 73GB, DU, A...	80.00 %	0	0	4	1
R178156	Dell Server BIOS 10G, 01.01.03	80.00 %	0	0	4	1
R178450	Dell Server BIOS, Server BIOS 10G, 2.2.6	80.00 %	0	0	4	1
R178459	Dell Server BIOS 10G, 2.2.6	80.00 %	0	0	4	1
R180080	Adaptec CERC SATA1.5/6ch, v.4.1.1.7043, ...	80.00 %	0	0	4	1
R177588	Dell SAS 5/R and 6/R Adapter, SAS 5/R and ...	80.00 %	0	0	4	1
R177587	Dell SAS 5/R and 6/R Adapter, SAS 5/R and ...	80.00 %	0	0	4	1
R178453	Dell Server BIOS 10G, 2.2.6	80.00 %	0	0	4	1
R178418	Dell Server BIOS, Server BIOS 10G, 2.2.6	80.00 %	0	0	4	1
R178183	Dell Server BIOS 10G, 1.1.0	80.00 %	0	0	4	1
R170220	Dell Server BIOS, 1.0.0	80.00 %	0	0	4	1
R178434	Dell Server BIOS, Server BIOS 10G, 2.2.6	80.00 %	0	0	4	1
R178430	Dell Server BIOS, 2.2.6	80.00 %	0	0	4	1
R178427	Dell Server BIOS, Server BIOS 10G, 2.2.6	60.00 %	0	1	3	1
R168343	Hitachi 3.5", 15K, SAS, 73GB, DU, 3.5", 15K, ...	80.00 %	0	0	4	1
R168480	Dell SAS 5/E Adapter, v.00.10.51.00.06.12.0...	80.00 %	0	0	4	1
R168477	Dell SAS 5/i Integrated, v.00.10.51.00.06.12...	80.00 %	0	0	4	1
R168472	Dell SAS 5/R Integrated, v.00.10.51.00.06.1...	80.00 %	0	0	4	1
R168387	Adaptec PERC3/Di, v.2.8.1.7692, A13	80.00 %	0	0	4	1
R168380	Adaptec PERC3/Di, v.2.8.1.7692, A13	80.00 %	0	0	4	1
R169302	Dell PERC 5/i Integrated, v.5.2.1-0067, A07	60.00 %	0	1	3	1
R169023	Dell Server BIOS, 1.4.2	80.00 %	0	0	4	1
R168614	Dell PowerVault LTO4-120HH (IBM), v.7A31, ...	80.00 %	0	0	4	1
R165745	Dell PERC 5/E, 5/i, 6/E, 6/i Adapter, 5/i, 6/i In...	80.00 %	0	0	4	1
R165739	Dell PERC 5/E, 5/i, 6/E, 6/i Adapter, 5/i, 6/i In...	60.00 %	0	1	3	1
R168471	Dell SAS 5/R Adapter, v.00.10.51.00.06.12...	80.00 %	0	0	4	1
R170191	Dell BMC Firmware, v.1.79, A00	80.00 %	0	0	4	1
R171043	Dell SAS Backplane Firmware, v.1.06, A00	60.00 %	0	1	3	1

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21. Navigate to **Site Database > Computer Management > Software Updates > Update Repository > Updates > Dell > All Updates** to review what updates require deployment.

The screenshot shows the Configuration Manager Console interface. The main window displays a list of updates under the 'All Updates' view. The table below represents the data shown in the console:

Bulletin ID	Title	% Compliant	Installed	Required	Not Required	Unknown	Total	Severity
R182910	Dell OpenManage Inventory Agent	40.00 %	2	2	0	1	5	Important
R171043	Dell SAS Backplane Firmware, v. 1.05, A00	60.00 %	0	1	3	1	5	Important
R136644	Dell Server System BIOS, A06	60.00 %	0	1	3	1	5	Important
R178427	Dell Server BIOS, Server BIOS 10G, 2.2.6	60.00 %	0	1	3	1	5	Important
R172182	Dell SAS Backplane Firmware, v. 1.05, A00	60.00 %	0	1	3	1	5	Important
R158491	Dell SAS Backplane Firmware, v. 1.05, A01	60.00 %	0	1	3	1	5	Important
R149431	Dell SAS Backplane Firmware, v. 1.05, A01	60.00 %	0	1	3	1	5	Important
R165739	Dell PERC 5/E, 5/i, 6/E, 6/i Adapter, 5/i, 6/i In...	60.00 %	0	1	3	1	5	Important
R169531	LSI Logic Perc 4e/Di, v.5A2D, A18	60.00 %	0	1	3	1	5	Critical
R147948	Dell BMC Firmware, v.1.72, A09	60.00 %	0	1	3	1	5	Important
R158507	Dell SAS Backplane Firmware, v. 1.05, A01	60.00 %	0	1	3	1	5	Important
R168186	Dell PERC 5/E Adapter, v.5.2.1-0066, A06	60.00 %	0	1	3	1	5	Important
R169302	Dell PERC 5/i Integrated, v.5.2.1-0067, A07	60.00 %	0	1	3	1	5	Important
R162895	Dell BMC Firmware, v.2.05, A09	60.00 %	0	1	3	1	5	Important
R151897	LSI Logic PERC3/DC, PERC3/DC, PERC3/QC...	60.00 %	0	1	3	1	5	Critical
R153806	Dell SAS Backplane Firmware, v. 1.05, A01	60.00 %	0	1	3	1	5	Important
R68041	Dell Server System BIOS, A11	80.00 %	0	0	4	1	5	Important
R68074	Dell ESM Firmware, A33	80.00 %	0	0	4	1	5	Important
R87058	Dell PERC 4/IM, v.1.9.11.0, A00	80.00 %	0	0	4	1	5	Critical
R53488	Dell ESM Firmware, A02	80.00 %	0	0	4	1	5	Moderate
R50466	LSI Logic CERC ATA 100, v.6.62, A03	80.00 %	0	0	4	1	5	Moderate
R47682	Dell PERC 4/IM, v.1.8.6, A00	80.00 %	0	0	4	1	5	Moderate
R58591	SILICON IMAGE S1680A, v.1.0.0.22, A01	80.00 %	0	0	4	1	5	Moderate
R87883	Dell Server System BIOS, A13	80.00 %	0	0	4	1	5	Important
R94801	Intel PRO Fast Ethernet Adapters, v.8.0.17...	80.00 %	0	0	4	1	5	Important
R100445	Intel PRO Gigabit Adapters, v.8.4.21.0, A00-...	80.00 %	0	0	4	1	5	Important
R94803	Intel PRO Gigabit Adapters, v.8.4.21.0, A00-...	80.00 %	0	0	4	1	5	Important
R87336	Dell Server System BIOS, A05	80.00 %	0	0	4	1	5	Important
R87575	Dell Server System BIOS, A12	80.00 %	0	0	4	1	5	Important
R100373	LSI Logic PERC 4/SC, PERC 4/DC, PERC 4e/D...	80.00 %	0	0	4	1	5	Important
R98040	Adaptec U320 SCSI RAID 0 or 1, v.2.0.0.363...	80.00 %	0	0	4	1	5	Important
R87577	Dell Server System BIOS, A09	80.00 %	0	0	4	1	5	Important
R52213	SILICON IMAGE S1680A, v.1.0.0.12, A00	80.00 %	0	0	4	1	5	Moderate
R100447	Intel PRO Fast Ethernet Adapters, v.8.0.17...	80.00 %	0	0	4	1	5	Important
R94804	Intel PRO Fast Ethernet Adapters, v.8.0.17...	80.00 %	0	0	4	1	5	Important
R94681	Dell Server System BIOS, A14	80.00 %	0	0	4	1	5	Important
R87059	Dell PERC 4/IM, v.1.9.11.0, A02	80.00 %	0	0	4	1	5	Critical
R115322	Dell Server System BIOS, A06	80.00 %	0	0	4	1	5	Important
R115324	Dell Server System BIOS, A06	80.00 %	0	0	4	1	5	Important
R117418	Dell ESM Firmware, A37	80.00 %	0	0	4	1	5	Important
R143003	Dell PowerVault 110T LTO-2-4 (Certance), v...	80.00 %	0	0	4	1	5	Critical
R141501	Dell PowerVault 110T LTO-3, v.6820, A03	80.00 %	0	0	4	1	5	Important
R130967	Dell PowerVault 100T DAT72, v.1A16E, A10	80.00 %	0	0	4	1	5	Important
R99805	Dell Backplane Firmware, v.1.00, A01	80.00 %	0	0	4	1	5	Important
R126742	Adaptec CERC SATA 2s, v.6.0.3643.4, A03	80.00 %	0	0	4	1	5	Important
R126743	Adaptec CERC SATA 2s, v.6.0.50.5, A06	80.00 %	0	0	4	1	5	Important

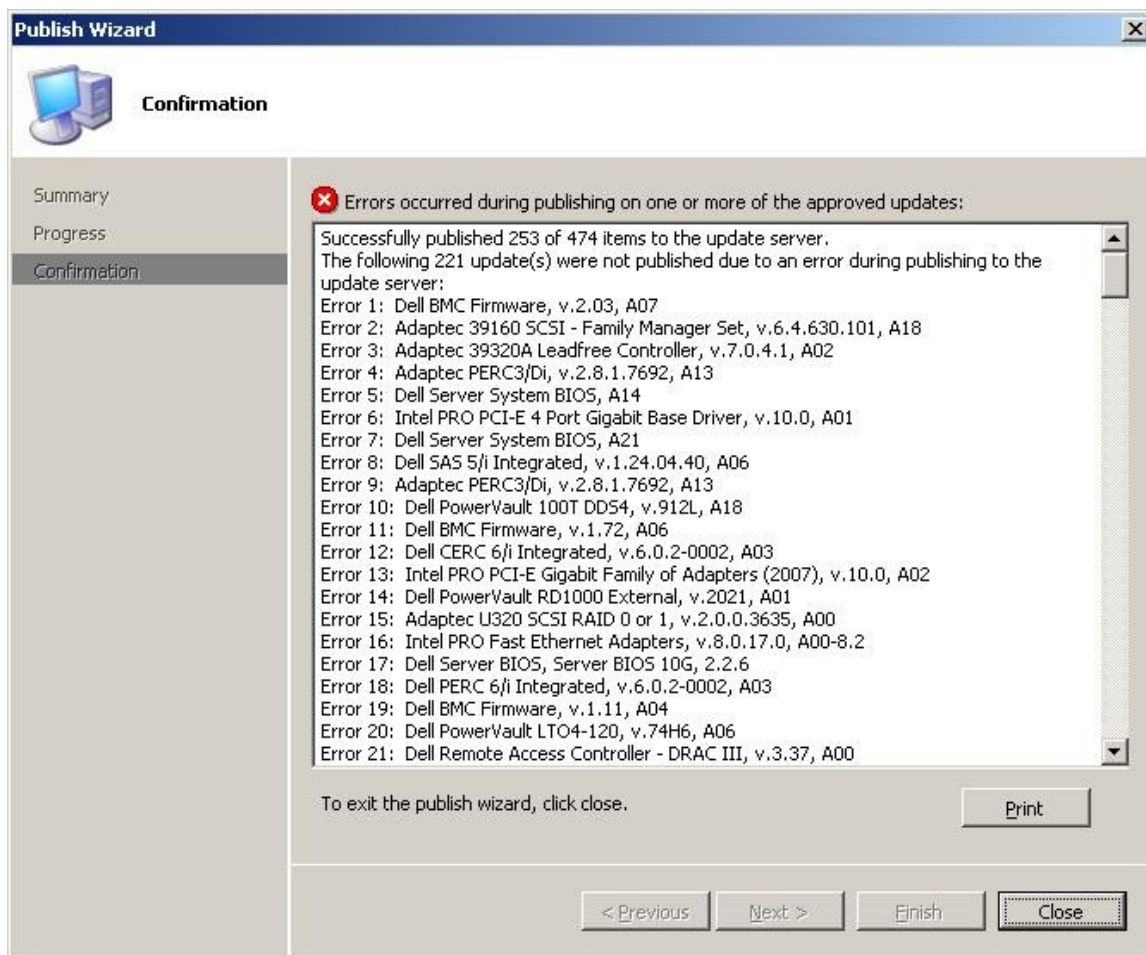
This completes importing Dell Updates into the SCCM server and deploying Dell OpenManage Inventory Agent / evaluating Dell Updates. Manage and deploy the rest of the Dell Updates as desired per the environment.

SECTION 6

Tips and Best Practices Using SCUP and SCCM (Q&A)

This section will cover common questions or issues that may occur.

Question: Updates fail to publish from SCUP to WSUS.



Answer:

Investigate the SCUP log file located at %temp%\UpdatePublisher.log.

Tip: The log file can be difficult to read using notepad, search the web and download the Microsoft log viewer application called SMS Trace.

Dell Catalog for MSFT SCCM Patch Management

Question: Upon investigating the UpdatePublisher.log SCUP failed to publish updates to WSUS due to a verification of file signature failed error .

Log Text	Component	Date/Time	Thread
Publish: --- Temporary SDP XML file C:\Documents and Settings\Administrator.PDK\Local Settings\Temp\Tmp354F.tmp created for publishing...	Updates Publisher	5/8/2008 10:35:28 AM	6 (0x6)
Publish: Retrieving content for update '1f63ce1a-1c03-4701-a4cd-1fa05419a7ee' from 'http://ftp.dell.com/SAS-RAID/DRVVR_WIN_R177587.EXE'.	Updates Publisher	5/8/2008 10:35:28 AM	6 (0x6)
Publish: --- Content will be saved to C:\Documents and Settings\Administrator.PDK\Local Settings\Temp\0f4a3jh.hun\DRVVR_WIN_R177587.EXE.	Updates Publisher	5/8/2008 10:35:28 AM	6 (0x6)
Publish: Downloaded content for update '1f63ce1a-1c03-4701-a4cd-1fa05419a7ee' to local file: C:\Documents and Settings\Administrator.PDK\Local Settings\Temp\0f4a3jh.hun\	Updates Publisher	5/8/2008 10:35:29 AM	6 (0x6)
Publish: --- Calling update server API for update '1f63ce1a-1c03-4701-a4cd-1fa05419a7ee'	Updates Publisher	5/8/2008 10:35:29 AM	6 (0x6)
Publish: --- Calling update server API for publishing update '1f63ce1a-1c03-4701-a4cd-1fa05419a7ee'	Updates Publisher	5/8/2008 10:35:29 AM	6 (0x6)
Publish: Exception occurred during publishing: Verification of file signature failed for file: \\PE2900-SCCM\UpdateServices\Packages\Dell SAS 5_IR and 6_IR Adapter, SAS 5_IR an	Updates Publisher	5/8/2008 10:35:32 AM	6 (0x6)
Publish: --- Removing temporary files...	Updates Publisher	5/8/2008 10:35:32 AM	6 (0x6)
Publish: --- Completed publishing for update '1f63ce1a-1c03-4701-a4cd-1fa05419a7ee'	Updates Publisher	5/8/2008 10:35:32 AM	6 (0x6)
Flag For Publish: Performing Flag For publish Action on selected updates.	Updates Publisher	5/8/2008 10:46:09 AM	4 (0x4)
Flag/unflag For Publish: Checking if all updates still exist.	Updates Publisher	5/8/2008 10:46:09 AM	4 (0x4)
Flag For Publish: Validating Updates for updates publisher compliance.	Updates Publisher	5/8/2008 10:46:09 AM	4 (0x4)
Flag for publish: Flag for publish action finished.	Updates Publisher	5/8/2008 10:46:09 AM	4 (0x4)
Flag For Publish: Performing Flag For publish Action on selected updates.	Updates Publisher	5/8/2008 10:46:14 AM	4 (0x4)
Flag/unflag For Publish: Checking if all updates still exist.	Updates Publisher	5/8/2008 10:46:14 AM	4 (0x4)
Flag For Publish: Validating Updates for updates publisher compliance.	Updates Publisher	5/8/2008 10:46:14 AM	4 (0x4)
Flag for publish: Flag for publish action finished.	Updates Publisher	5/8/2008 10:46:14 AM	4 (0x4)
Initialised Publish Wizard.	Updates Publisher	5/8/2008 10:46:15 AM	4 (0x4)
Publish: --- Connecting to update server	Updates Publisher	5/8/2008 10:46:17 AM	11 (0x8)
Connecting to a local update server with locally detected settings.	Updates Publisher	5/8/2008 10:46:17 AM	11 (0x8)
Publish: Publishing update: '008162fc-1367-43a7-a717-8b71d63d9179'	Updates Publisher	5/8/2008 10:46:17 AM	11 (0x8)
Publish: --- SDP XML file for publishing created at C:\Documents and Settings\Administrator.PDK\Local Settings\Temp\Tmp3572.tmp	Updates Publisher	5/8/2008 10:46:17 AM	11 (0x8)
Publish: --- Temporary SDP XML file C:\Documents and Settings\Administrator.PDK\Local Settings\Temp\Tmp3572.tmp created for publishing...	Updates Publisher	5/8/2008 10:46:17 AM	11 (0x8)
Publish: Retrieving content for update '008162fc-1367-43a7-a717-8b71d63d9179' from 'http://ftp.dell.com/esm/PE5C1435_ESM_FRMW_WIN_R182890.EXE'.	Updates Publisher	5/8/2008 10:46:17 AM	11 (0x8)
Publish: --- Content will be saved to C:\Documents and Settings\Administrator.PDK\Local Settings\Temp\vn41teqi.qm\PE5C1435_ESM_FRMW_WIN_R182890.EXE.	Updates Publisher	5/8/2008 10:46:17 AM	11 (0x8)
Publish: Downloaded content for update '008162fc-1367-43a7-a717-8b71d63d9179' to local file: C:\Documents and Settings\Administrator.PDK\Local Settings\Temp\vn41teqi.qm\	Updates Publisher	5/8/2008 10:46:22 AM	11 (0x8)
Publish: --- Calling update server API for update '008162fc-1367-43a7-a717-8b71d63d9179'	Updates Publisher	5/8/2008 10:46:22 AM	11 (0x8)
Publish: --- Calling update server API for publishing update '008162fc-1367-43a7-a717-8b71d63d9179'	Updates Publisher	5/8/2008 10:46:22 AM	11 (0x8)
Publish: Exception occurred during publishing: Verification of file signature failed for file: \\PE2900-SCCM\UpdateServices\Packages\Dell BMC Firmware, v_2_03, A07_1a61a8fb-ea0c-4a50-a9f0-6175e8f67875	Updates Publisher	5/8/2008 10:46:28 AM	11 (0x8)
Publish: --- Removing temporary files...	Updates Publisher	5/8/2008 10:46:28 AM	11 (0x8)
Publish: --- Completed publishing for update '008162fc-1367-43a7-a717-8b71d63d9179'	Updates Publisher	5/8/2008 10:46:28 AM	11 (0x8)
Publish: Publishing update: '1a61a8fb-ea0c-4a50-a9f0-6175e8f67875'	Updates Publisher	5/8/2008 10:46:28 AM	11 (0x8)
Publish: --- SDP XML file for publishing created at C:\Documents and Settings\Administrator.PDK\Local Settings\Temp\Tmp3579.tmp	Updates Publisher	5/8/2008 10:46:28 AM	11 (0x8)
Publish: --- Temporary SDP XML file C:\Documents and Settings\Administrator.PDK\Local Settings\Temp\Tmp3579.tmp created for publishing...	Updates Publisher	5/8/2008 10:46:28 AM	11 (0x8)
Publish: Retrieving content for update '1a61a8fb-ea0c-4a50-a9f0-6175e8f67875' from 'http://ftp.dell.com/esm/PE1955_ESM_FRMW_WIN_R182899.EXE'.	Updates Publisher	5/8/2008 10:46:28 AM	11 (0x8)
Publish: --- Content will be saved to C:\Documents and Settings\Administrator.PDK\Local Settings\Temp\ebum52ta.hwi\PE1955_ESM_FRMW_WIN_R182899.Eun.	Updates Publisher	5/8/2008 10:46:28 AM	11 (0x8)
Publish: Downloaded content for update '1a61a8fb-ea0c-4a50-a9f0-6175e8f67875' to local file: C:\Documents and Settings\Administrator.PDK\Local Settings\Temp\ebum52ta.hwi\	Updates Publisher	5/8/2008 10:46:32 AM	11 (0x8)
Publish: --- Calling update server API for update '1a61a8fb-ea0c-4a50-a9f0-6175e8f67875'	Updates Publisher	5/8/2008 10:46:32 AM	11 (0x8)
Publish: --- Calling update server API for publishing update '1a61a8fb-ea0c-4a50-a9f0-6175e8f67875'	Updates Publisher	5/8/2008 10:46:32 AM	11 (0x8)
Publish: Exception occurred during publishing: Verification of file signature failed for file: \\PE2900-SCCM\UpdateServices\Packages\Dell BMC Firmware, v_2_03, A07_1a61a8fb-ea0c-4a50-a9f0-6175e8f67875	Updates Publisher	5/8/2008 10:46:38 AM	11 (0x8)
Publish: --- Removing temporary files...	Updates Publisher	5/8/2008 10:46:38 AM	11 (0x8)
Publish: --- Completed publishing for update '1a61a8fb-ea0c-4a50-a9f0-6175e8f67875'	Updates Publisher	5/8/2008 10:46:38 AM	11 (0x8)

Elapsed time is 2622h 40m 38s 562ms (10176038.562 seconds)

Answer:
Ensure the WSUS Publishers Self-signed Certificate was copied to the Trusted Root Certification Authorities as outlined in the SCUP steps listed in this document .

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Question: When attempting to deploy the Dell Updates to a SCCM managed client system the update fails.

Answer: Investigate the managed client systems Windows Update log file located at %windir%\WindowsUpdate.log for further error details.

Dell Catalog for MSFT SCCM Patch Management

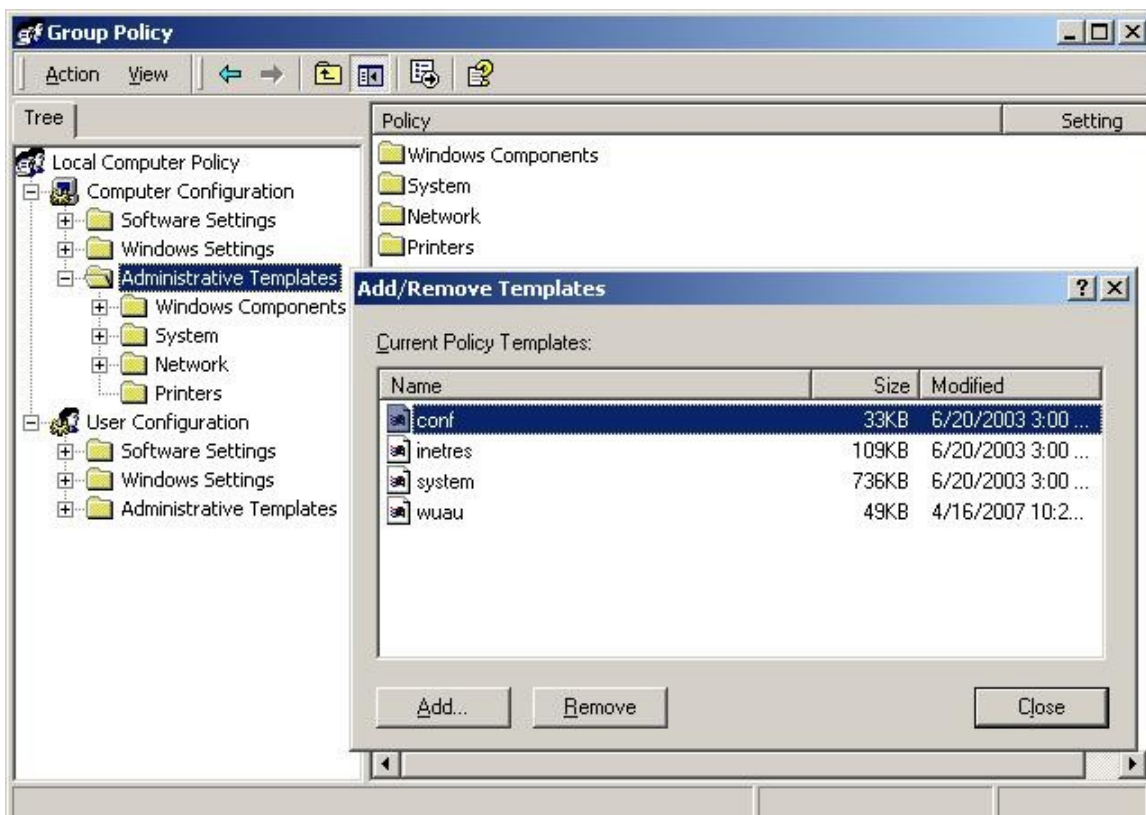
Question: Upon investigating the WindowsUpdate.log the reason the update failed was due to a signature failure.

Answer: First ensure that the SCCM managed client system has the WSUS Publishers Self-signed Certificate in its Trusted Root Certification Authorities store as outlined in the SCUP steps listed in this document. Then follow these steps using the Windows group policy editor on the managed client system to allow signed content from intranet Microsoft update service location.

1. On the SCCM managed client Operating System click the Windows **Start** button and select the **Run** option. Type **GPE-DIT.MSC** and click **OK**. Next expand **Computer Configuration > Administrative Templates > Windows Components > Windows Update**.

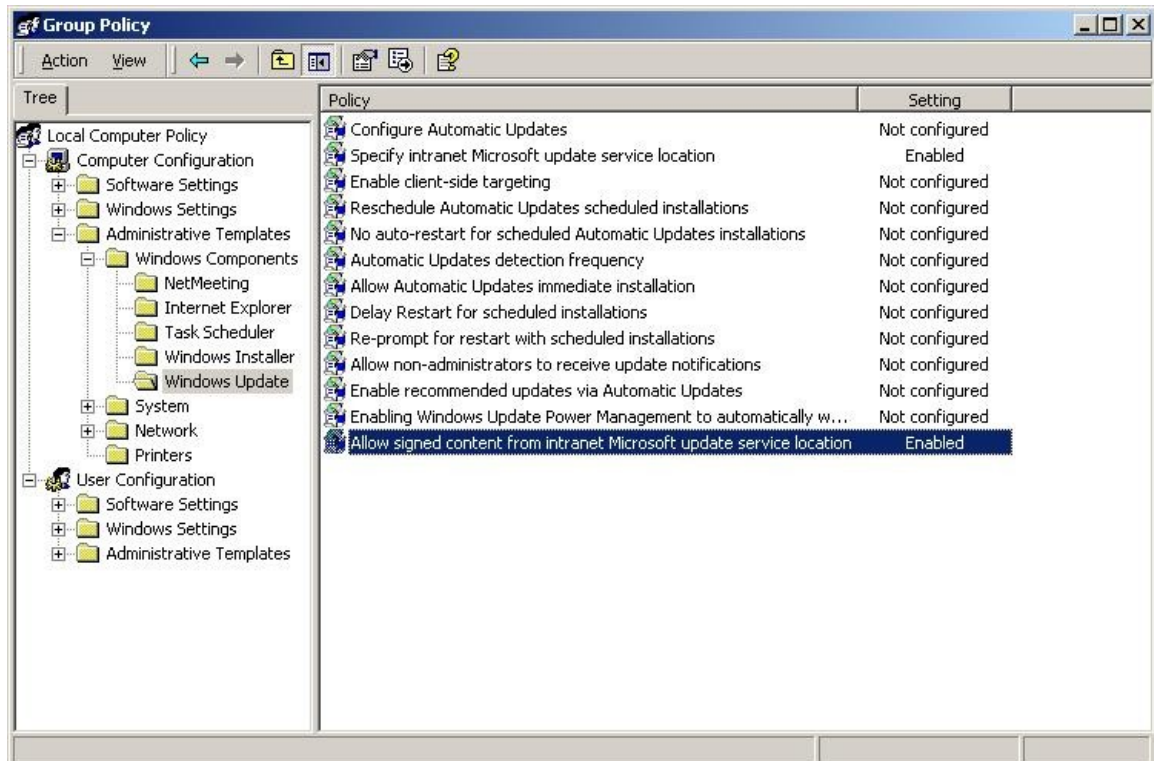
- a. If the managed client Operating System is Windows 2000 from the group policy editor right click the **Administrative Templates** folder and select **Add/Remove Templates**. From the Add/Remove templates menu select **Add** and choose **wuau.adm** and click **Open**, then click **OK** from the Add/Remove templates menu.

Note - This will only be possible on Windows 2000 service pack 3 or higher.



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2. Double click “**Allow signed content from intranet Microsoft update service location**”, select “**Enabled**” and click **OK**. Close the Group Policy editor.

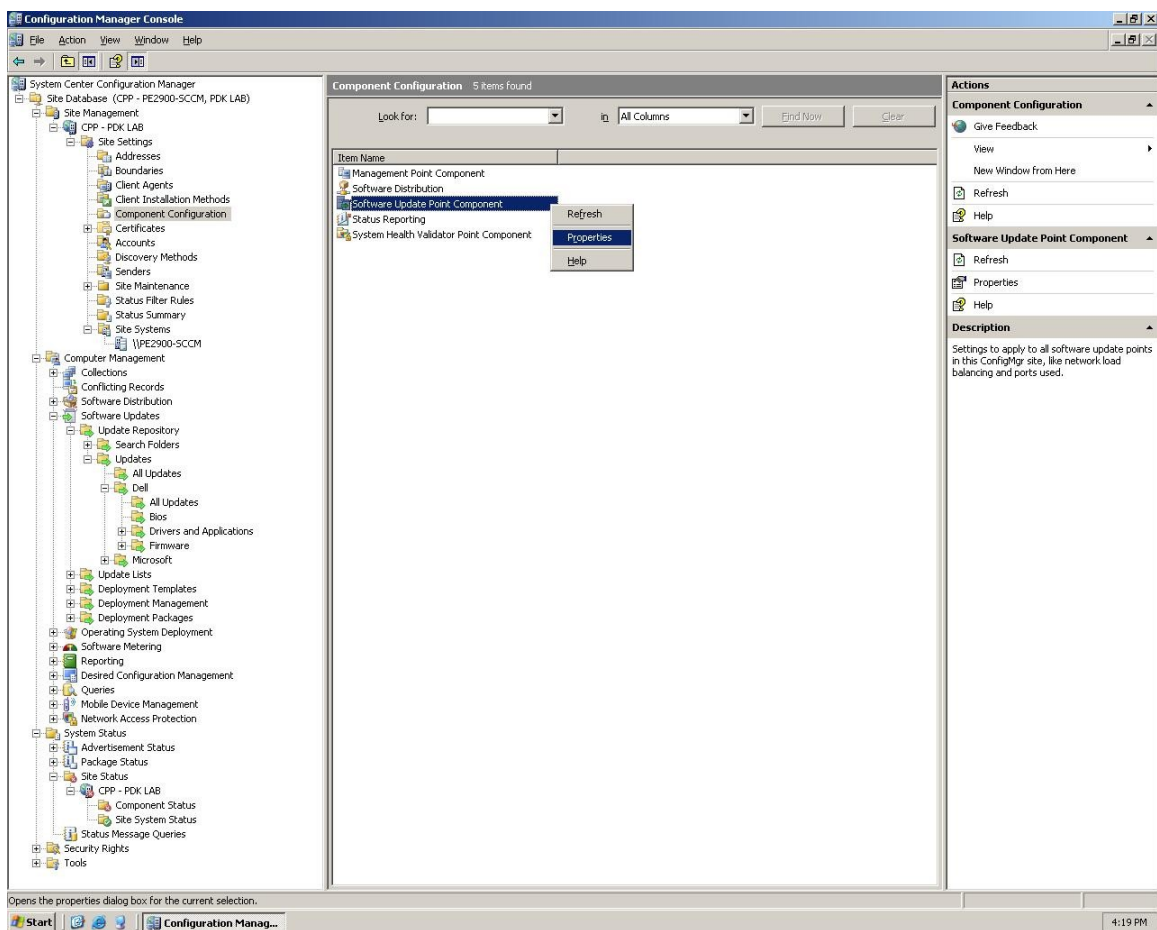


Dell Catalog for MSFT SCCM Patch Management

Question: How to remove Dell Updates from SCCM

Answer: To remove Dell Updates from SCCM follow these steps to expire/remove them.

1. In SCCM under the Console Tree expand the **Site Database > Site Management > %Site Name% > Site Settings > Component Configuration** group and select the properties of the **Software Update Point Component**.



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2. The Software Update Point Component Properties screen will appear, switch to the **Sync Schedule** tab and check **Enable synchronization on a schedule**, press **OK**. This is required for SCCM to remove the expired updates per the schedule time.



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3. In SCCM navigate to **Site Database > Computer Management > Software Updates > Update Repository > Updates > Dell > All Updates** select the update you wish to remove and click Action > Properties. From the properties screen choose **Expire**.
4. Expiring updates will not instantly remove them, a clean up scan will run 14 days after marking the updates expired and remove them from SCCM. Updates can not be removed from SCCM if the updates are included in a deployment package, first delete the deployment package then expire the updates.
5. Updates may reappear in SCCM if they are not unchecked in the next SCUP publishing / synchronization.

Note – For advanced steps to remove updates from SCCM search Microsoft's SCCM forums and Microsoft Technet.

Question: After installing Dell OpenManage Inventory Agent, the remainder of the updates are still showing the status of unknown.

Answer: Once clients perform their next software updates scan cycle, then the remainder of the updates applicability will be reported to the SCCM site.

Question: Will many of the steps outlined in this whitepaper be applicable to System Center Essentials (SCE)?

Answer: Yes, many will be similar but not necessarily exact.

Question: Where can more information be found about Dell Catalog and Dell OpenManage Inventory Agent?

Answer: ftp://ftp.dell.com/cmsdk/DellSDPCatalog_Readme.doc.
ftp://ftp.dell.com/cmsdk/DSIA_Readme.doc.

Question: Where is the Dell SCCM / SCE Catalog located?

Answer: <ftp://ftp.Dell.com/Catalog/DellSDPCatalog.cab>.

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