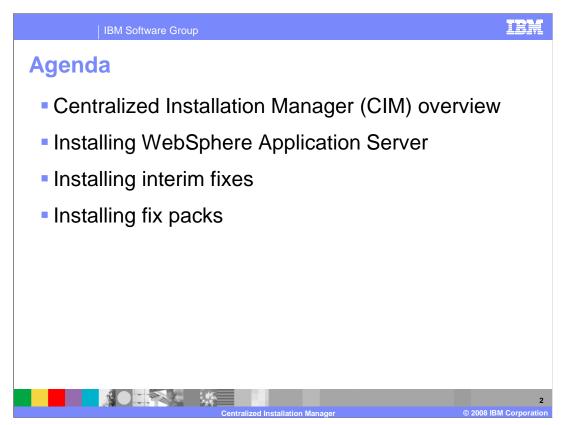
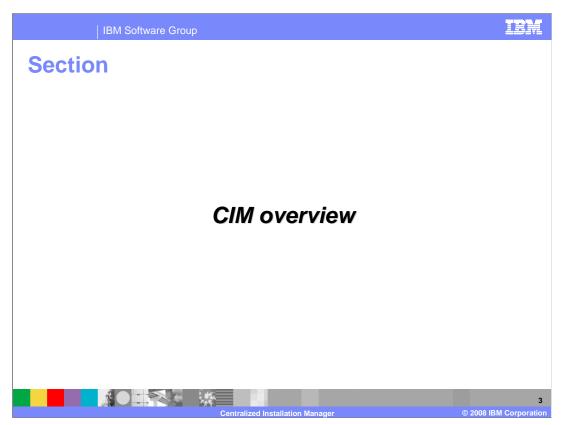


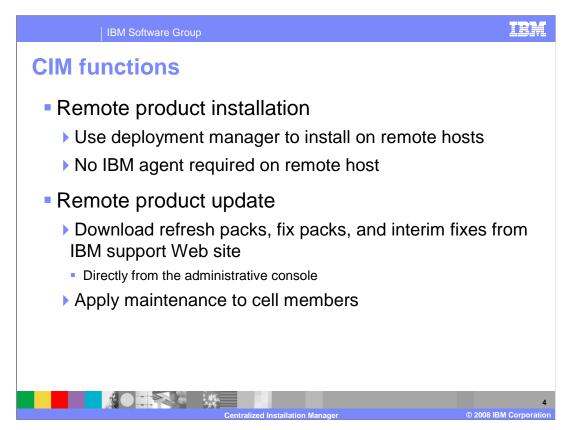
This presentation covers the Centralized Installation Manager in WebSphere Application Server V7.



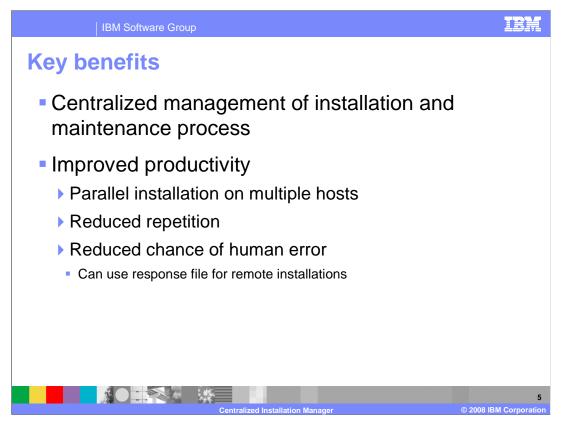
This presentation introduces the Centralized Installation Manager, abbreviated CIM, and show how it can be used for remote installation of WebSphere Application Server and for product maintenance.



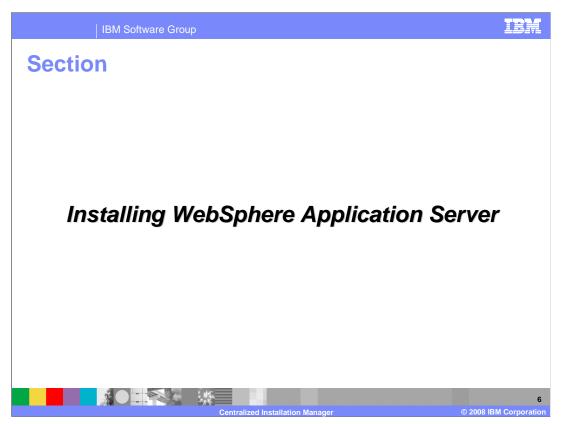
This section introduces the key functions and benefits of the Centralized Installation Manager.



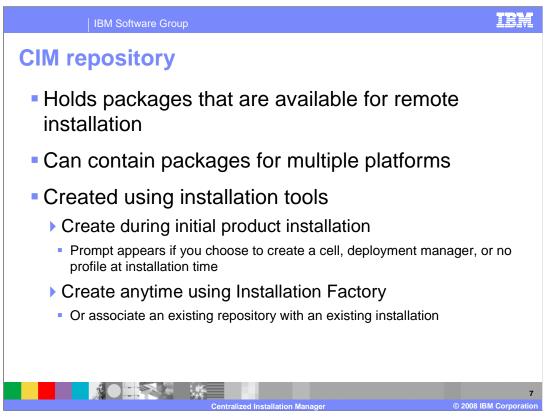
The Centralized Installation Manager introduces support for remote installation functionality in WebSphere Application Server V7. The deployment manager can be used as a central interface for installing WebSphere Application Server to remote hosts and integrating them into a cell. These remote hosts do not require any IBM software to be present before installation, as the installation is performed using operating system tools. In addition to installing WebSphere Application Server, the V7 deployment manager also has the ability to remotely install fix packs, refresh packs, and interim fixes on remote nodes that have been added to the cell. Fixes can be downloaded from IBM directly within the deployment manager's administrative console and remotely installed to member nodes.



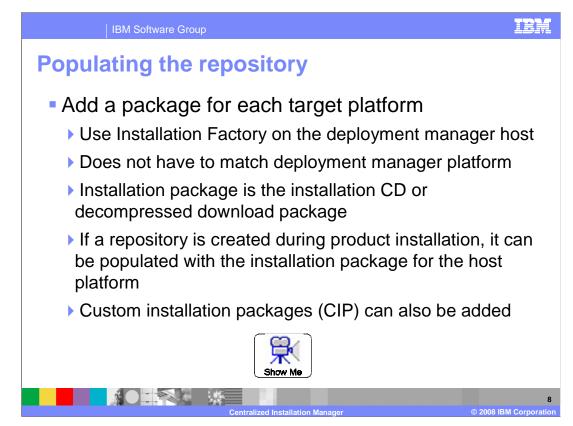
There are several benefits to a centrally-managed installation process. You can easily install WebSphere Application Server to your entire cell from a single interface in parallel, which not only saves time by avoiding a repetitive process, but also makes it easier to ensure that you are specifying the same installation options on each of your hosts. The deployment manager interface accepts standard response files, just like the traditional installer uses, enabling you to specify all of the same parameters when installing with the Centralized Installation Manager.



This section describes the process of installing WebSphere Application Server with the Centralized Installation Manager.



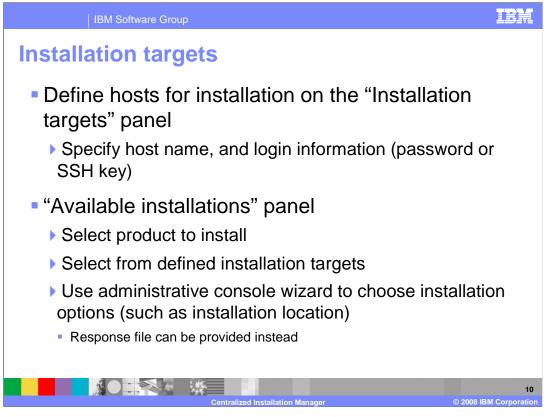
The CIM repository is a directory on your file system that contains files that are available for remote installation. This directory can be created and associated with your WebSphere Application Server installation at installation time, or later, using the Installation Factory tool. This repository can contain installation packages for each platform to which you will be installing remotely, regardless of the local platform.



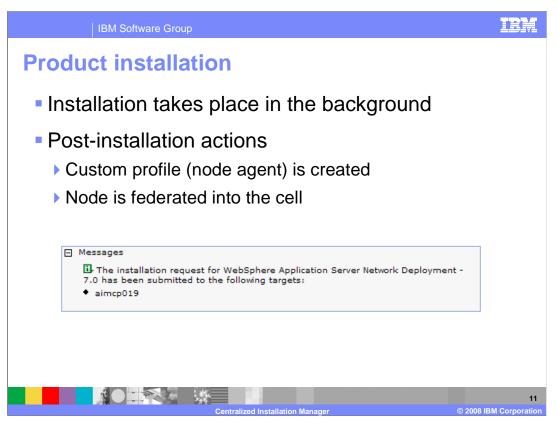
Once you have created the repository, you can add additional packages to the repository using the Installation Factory tool. If you created the repository during installation, it will already include a package for the locally installed platform. To add a package to the repository, you need to have the product installation binaries for your platform of choice, and sufficient space to store a copy of them on the drive where the repository is hosted. To view a demonstration of how a repository is created and populated, pause this presentation and click the "show me" icon. You will need to restart the deployment manager before newly added packages will be available for remote installation.

	IB	M Software Group		IBM			
Remo	Remote installation interface						
 Use the CIM interface in the administrative console System administration > Centralized Installation Manager Also available in wsadmin "Installation packages" panel shows packages in the repository 							
	Select	Platform 🗘	Download Status 🗘 🗘				
		AIX 64 bit	Completed				
		Windows	Completed				
		Linux for i/p Series 64 bit	Absent				
		Linux for i/p Series	Absent				
		Solaris x86 64 bit	Absent				
	Ĵ						
Centralized Installation Manager © 2008 IBM Corporati							

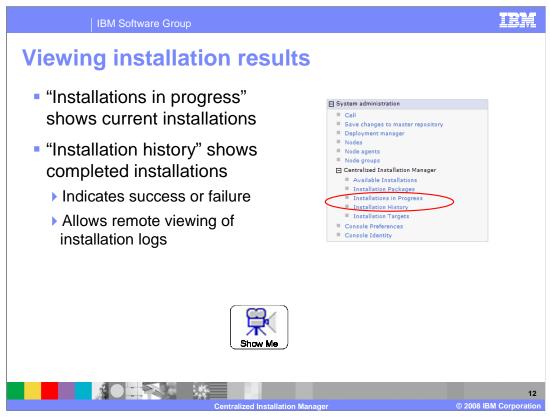
Once they have been added to the repository, installation packages are displayed in the "installation packages" panel in the Centralized Installation Manager interface of the administrative console. Click on the name of the package to display the list of available platforms for that package, as is shown here.



To install WebSphere Application Server on a remote host, you must define the host as an "installation target". In addition to specifying the host name or IP address, you can also provide authentication information for the remote host, as either a user ID and password or an SSH key. After you have defined installation targets, you can start a remote installation to one or more of those hosts using the "available installations" panel. You can use a wizard in the administrative console to specify installation options, or you can provide a response file. The Centralized Installation Manager accepts the same response file format as the traditional installer.



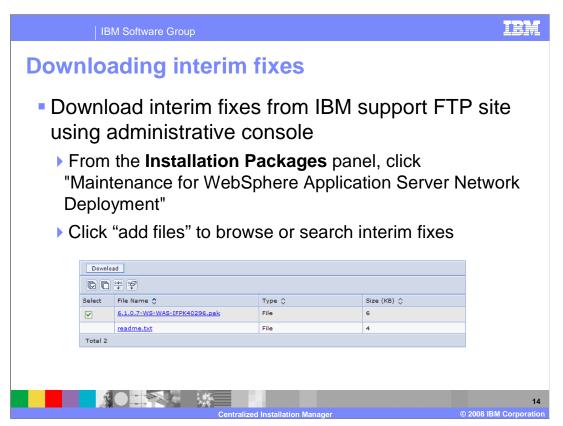
Installation will proceed in the background, and after product installation completes, a profile will be created on the remote host, and that profile's node agent will be federated into the cell. However, if the installation was performed using a response file, whether a profile is created and federated to the cell is controlled entirely by options specified in the response file.



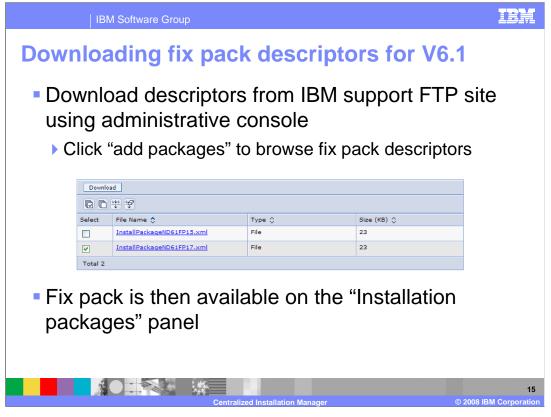
To view the status of an installation that you have started, use the "installations in progress" link in the administrative console. The "installation history" link shows past installations, whether they succeeded or failed, and lets you remotely view the logs from those installations. To view a demonstration of the remote installation process, pause this presentation and click the "show me" icon.



This section will discuss installing product maintenance with the Centralized Installation Manager.



Installation packages for interim fixes can be downloaded from IBM support and added to the CIM repository directly from the administrative console. You can browse the available fixes by type, and download them to the repository, as shown here. The V7 deployment manager supports installing maintenance to V7 nodes and to V6.1 nodes, in a mixed cell.



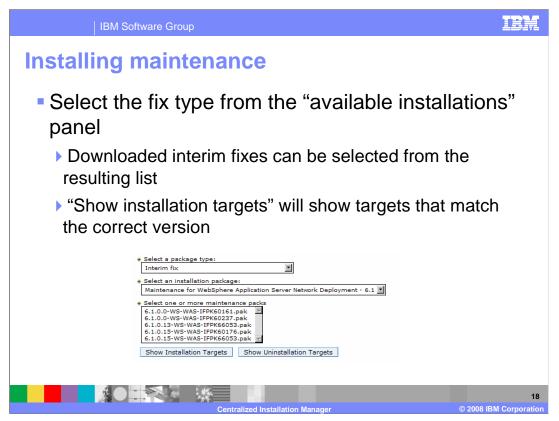
When installing fix packs for V6.1 nodes, you must first download a fix pack descriptor for the required fix pack. A descriptor is an XML file that describes the binaries to be installed. You do not need to download descriptors for V7 fix packs, because those descriptors are installed to the deployment manager when you install the fix pack locally on the deployment manager, which is a required step before installing the fix pack to cell members.

	IBM Software Group							
Dow	Downloading fix packs							
Download fix pack binaries from IBM support FTP site using administrative console								
From the Installation Packages panel, click the name of the fix pack								
Select your platforms and click "Download"								
Download Remove								
	Select	Platform 🗘	Download Status 🗘 👲					
1		AIX 32 bit	Absent					
		AIX 64 bit	Absent					
		HP-UX	Absent					
		HP-UX 64 bit	Absent					
		Linux for AMD 64 bit	Absent					
		Linux for Intel	Absent					
		Centralized Insta	llation Manager © 2	16 2008 IBM Corporation				

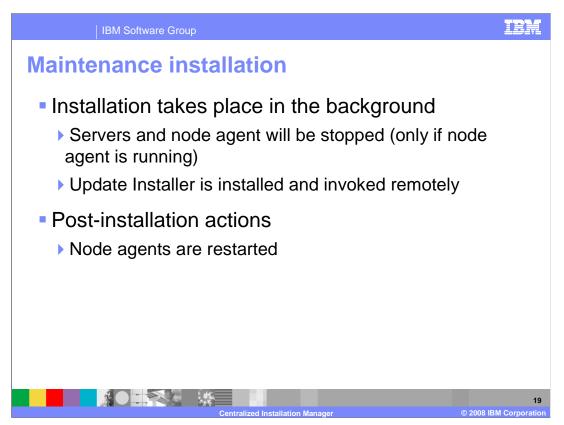
Installation packages for fix packs can be downloaded from IBM support and added to the CIM repository directly from the administrative console. You can browse the available fixes by type, and download them to the repository, as shown here. CIM will download all associated fix packs for a given fix pack level, including fix packs for the Java SDK and feature packs. The V7 deployment manager supports installing maintenance to V7 nodes and to V6.1 nodes, in a mixed cell.

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Downloading the update installer							
	ownload Options						
	ftp URL:						
	ftp://ftp.software.ibm.com/software/websphere/appserv/support/tools/UpdateInstaller/7.0.3 Apply Reset						
	Download Location:						
	D:\cimrepository\UPDI70						
E P	Terferences						
	Download Remove						
C							
Sele	ct Platform 🛟	Download Status 🗇 👲					
	Solaris for Sun Sparc 32 bit	Absent					
	Solaris for Sun Sparc 64 bit	Absent					
	Solaris ×86 64 bit	Absent					
	Windows	In progress					
	Windows AMD Opteron	Absent					
	Windows Intel Itanium	Absent					
	150S	Absent					
	Page: 2 of 2 Total 27						
	Centralized Installat		17 B IBM Corporation				

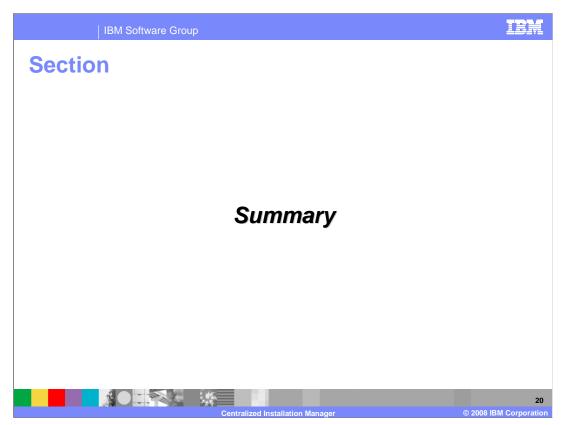
To install interim fixes or fix packs, you will also need the update installer on your remote nodes. You can install the update installer locally on the nodes, or download it into your repository using the administrative console. Once the update installer is in your repository, you do not need to explicitly install it. It will be installed automatically when you choose to install fix packs or interim fixes.



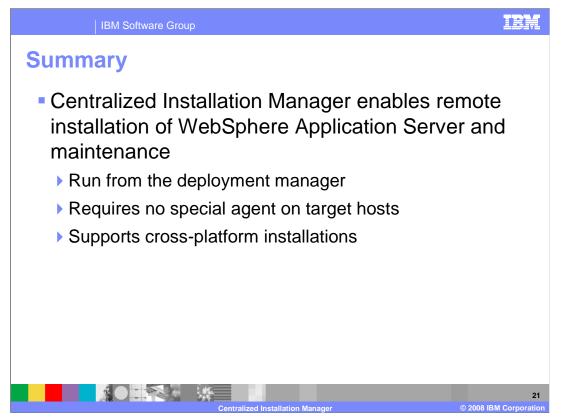
You can view the fixes in your repository by version and package type, and then select installation targets for them, just as you would when installing WebSphere Application Server remotely.



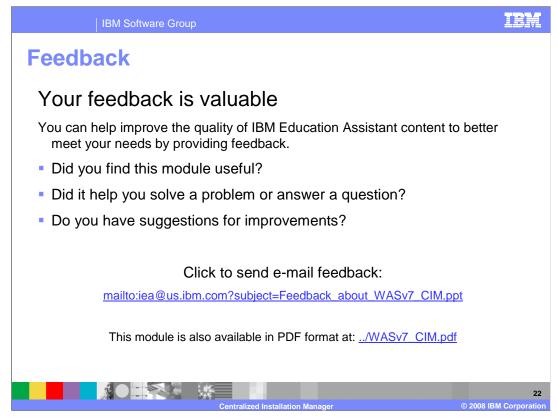
Similar to product installation, maintenance installation takes place in the background, and you can continue with other administrative tasks. Processes on the remote server will be stopped, and the Update Installer will be invoked remotely to install the maintenance on the selected hosts. After installation completes successfully, the node agent will be restarted.



This section summarizes the presentation.



The Centralized Installation Manager provides a facility for remote installation of WebSphere Application Server and product maintenance. A V7 deployment manager has the ability to install the product on a remote host, without the use of a remote agent, beyond facilities provided by the operating system. This new capability can help reduce installation time for large environments, and increase consistency, reducing the chance for mistakes.



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