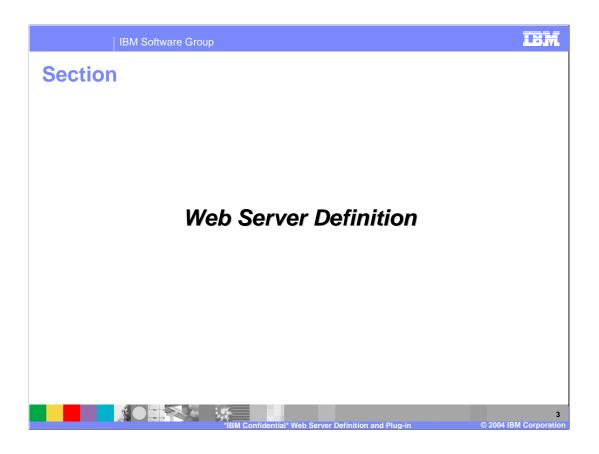


Agenda

- Web Server Definition
- Managed and Unmanaged node
- Web Server definition for Express or Network Deployment Stand-alone Server
- WebSphere Deployment Manager Admin Console
 UI manages Web Servers and the plug-in files





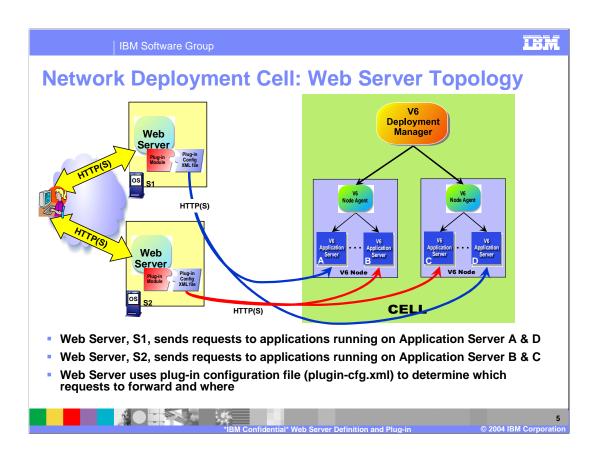
Web Server Definition

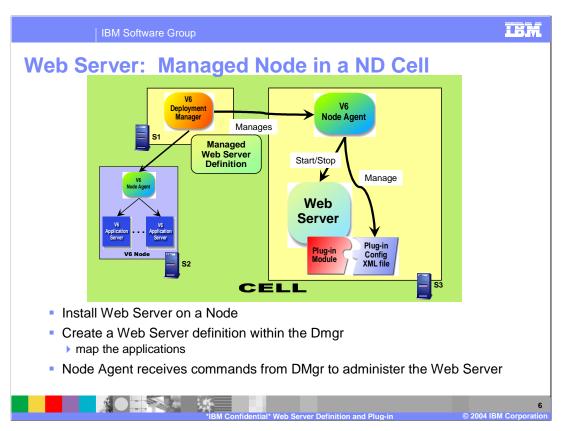
 Web Server can now be defined in WebSphere cell topology as a Web Server node

- Managed or unmanaged
- Managed nodes contain a node agent
- Association of an application to one or more Web Servers
- Generation of custom plug-in configuration files (plugin-cfg.xml) for a specific Web Server
 - ▶ Web Servers target specific applications running in a Cell
 - Automatically generated by the Deployment Manager



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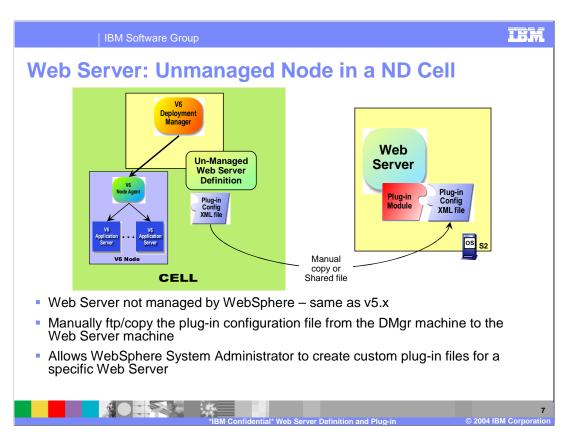
Web server has to be installed to a federated Node or managed Node (we have option to create managed node with out application server.

Managed by WebSphere Deployment Manager through Node Agent

Provides ability to start, stop the Web Server and automatically push the plug-in configuration file to the Web Server

Requires WebSphere Node Agent to be installed on the Web Server machine Used when web servers is on the same machine where Application Server is installed.

Common for behind a firewall where a WebSphere Node can be installed



Web Server is registered as Unmanaged Node in WebSphere configuration. Common for Web servers installed outside firewall or in DMZ, where no WebSphere Node Agent is installed

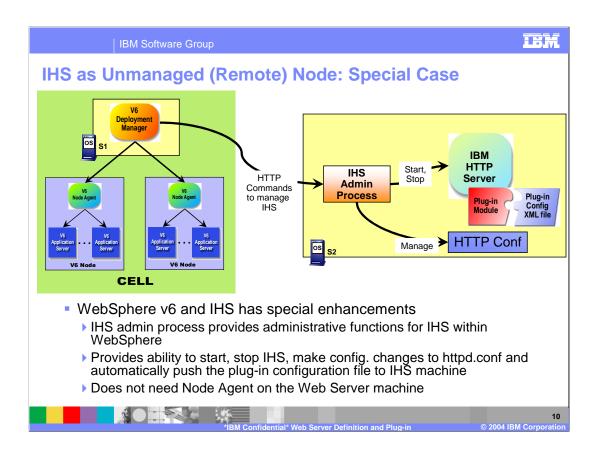


IHS Administration Overview

- IBM HTTP Server (IHS) v6 bundled with WebSphere v6
 - ▶ Based on Apache 2.0.47
 - Administration functionality is integrated into WebSphere v6 Admin-Console
 - IHS administrative process communicates with the Deployment Manager
- Administration of IHS 2.0.X is done from the command line



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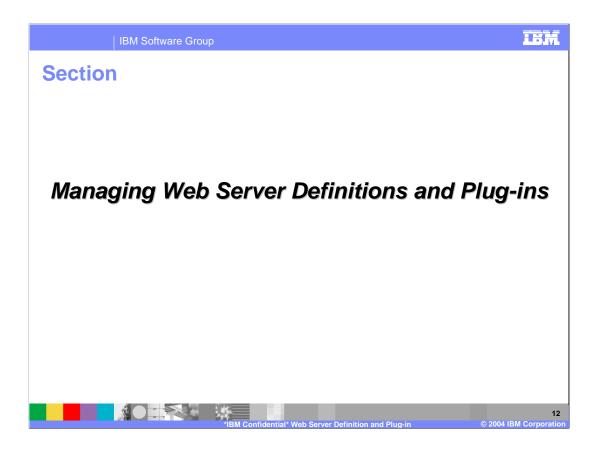
IK. **IHS Admin Server** The IHS Administration server runs as a separate instance of the IHS Web Server IHS Admin Component for IHS 6.0 includes: IHS Admin Module (mod_ibm_adm.so or IBMModuleAdmin.dll). IHS Admin configuration file (admin.conf) Default port for the IHS Admin server is 8008. IHS Admin authentication password file (htpasswd.admin) Initially BLANK, which prohibit access to IHS Admin Administrator updates IHS Admin password file using htpasswd utility program. Go to a command prompt for /<IHS-Home>/bin and enter the command > ./htpasswd -m ../conf/admin.passwd <user name> To start/Stop the administrative server, <IHS-Home>/bin/adminctl start <IHS-Home>/bin/adminctl stop Or Windows Service COL

The configuration files are owned by *root* after install. If you have created a separate user for administration of IBM HTTP Server, you must give write permission to the user designated for Web administration:

Become user *root* in the /opt/HTTPServer/conf directory.

Change ownership of the configuration files to the user designated for administration of IBM HTTP Server: # chown <IHS_admin_user_name>:<IHS_admin_group_name> admin.conf httpd.conf admin.passwd # chmod 640 admin.conf httpd.conf admin.passwd

Open an editor on the files admin.conf and httpd.conf. Change the **User** so it specifies the user designated for administration of IBM HTTP Server. Similarly, change the **Group** so it specifies the group designated for administration of IBM HTTP Server.

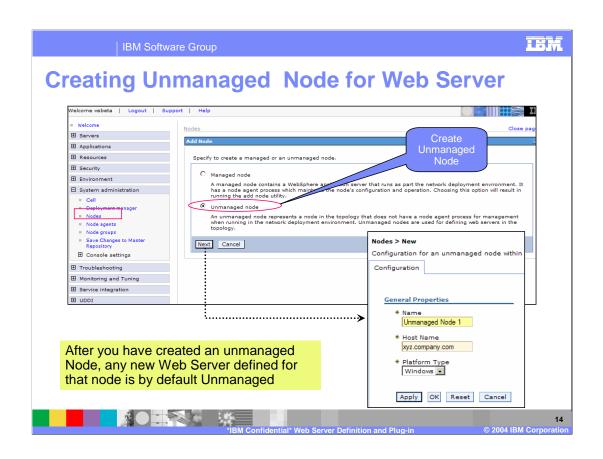


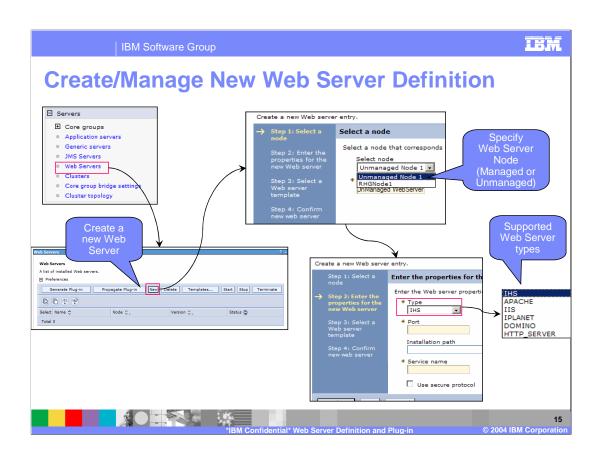
Web Server Administrative Functions

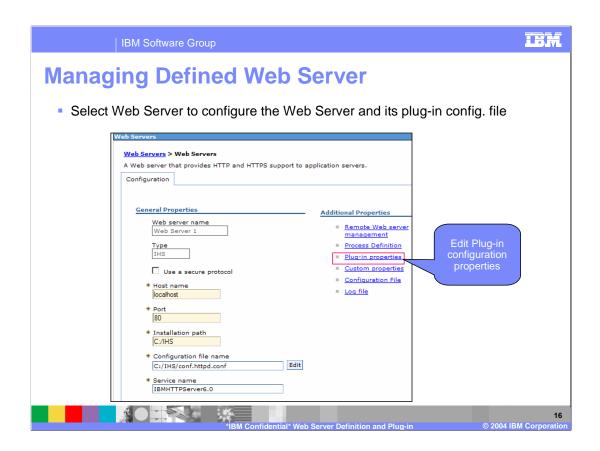
- Creating new Web Server definitions from pre-defined templates for supported Web Servers
 - Node must be created prior to creating the new Web Server definition
 - For Unmanaged Web Server definition, you will need to create an Unmanaged Node
- Creating new Web Server definition templates
- Managing and administration of defined Web Servers
 - > Start, Stop, Delete, Modify Web server configuration
- Managing Plug-in configuration files
 - Mapping applications to Web Servers

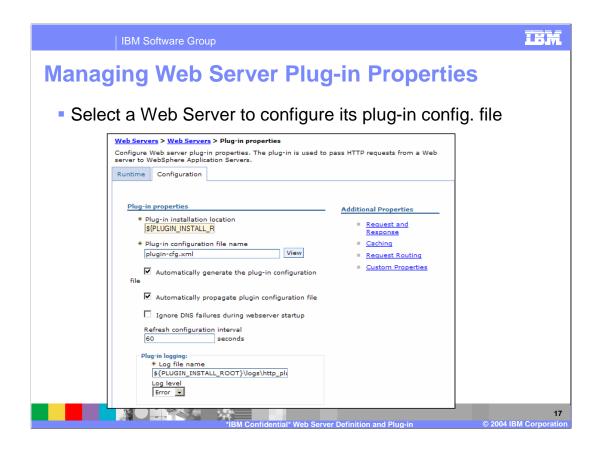
- Generating and propagating Plug-in configuration files for the Web Servers
- Configuring Plug-in configuration properties (like Error level, etc.)



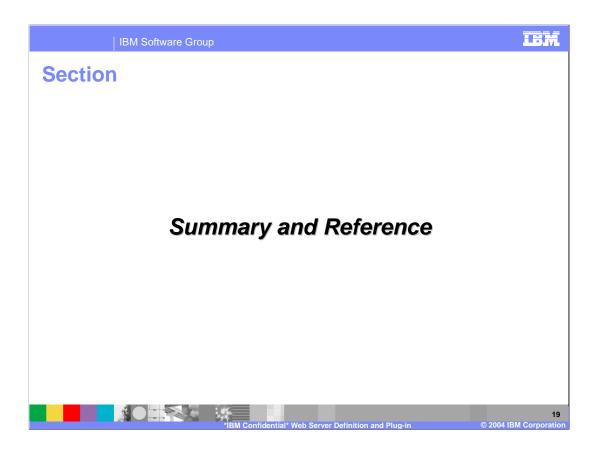








IBM **Mapping Applications to Web Server** Select application and the Stateful session bean failover mapping of modules to settings Session management servers Application profiles Libraries Then select the Application Target mappings Server and one or more Last participant support extension View Deployment Descriptor Web Servers Provide JMS and EJB endpoint URL Publish WSDL files Provide HTTP endpoint URL Map virtual hosts for Web modules Map modules to servers



Summary

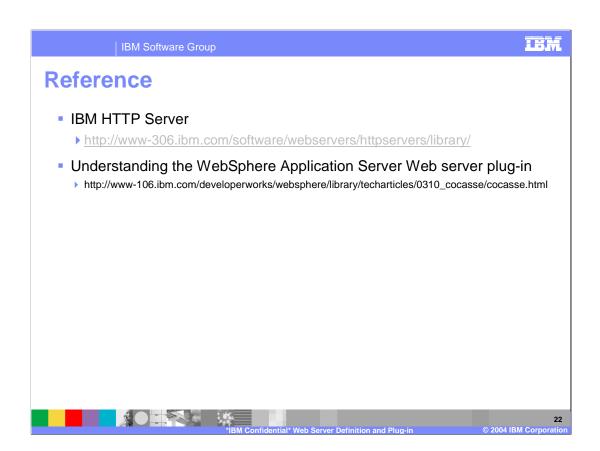
- WebSphere v6 allow defining Web Servers in the Cell topology and administer them
- Allows creating custom plug-in configuration files

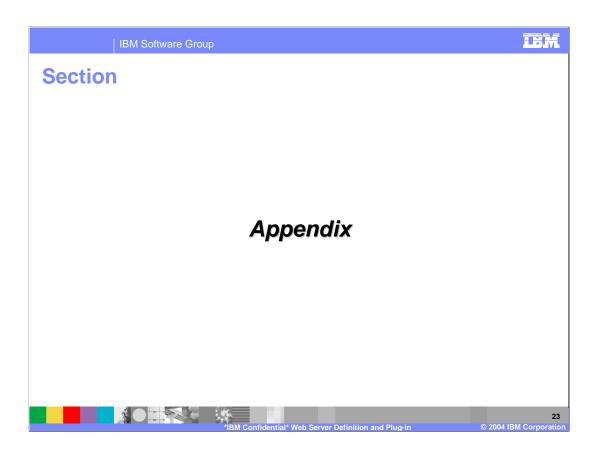


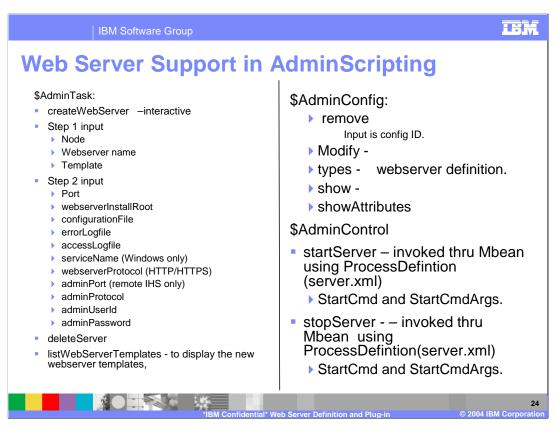
Web Server Definition – At a Glance

Topology	Topology Applicability	Requirement	Web Server Administration Capability
Managed Web Server Node	ND Cell	Requires Node Agent running on the Web Server machine	Start, Stop Web Server, Manage (push) Plug-in config. file to Web Server machine
Un-managed Web Server Node – same as WebSphere v5.x	All packages - Standalone Node Profile (ND or Express) or ND Cell	None	None
IHS as a special case of Unmanaged Node	ND Cell	None	Start, Stop Web Server, Manage (push) Plug-in config. file to Web Server machine









listWebServerTemplates - to display the new webserver templates, once templates are created and located in the proper directory off the config\templates directory, it should show up in wsadmin with no additional work.

Location of WebServer templates config/templates/servertypes/WEB_SERVER



Template Revision: 10/01/2004 4:46 PM

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