



IBM Software Group

IBM® WebSphere® Application Server V6

Application Server Install - Distributed Platform Express and Network Deployment



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This presentation will focus on the WebSphere Application Server V6 install process.

Goals

- The goal is to understand the WebSphere Application Server V6 component install in Express and Network Deployment packages

- Prerequisite:
 - ▶ Understand new Profiles function in WebSphere Application Server V6

The goal of this presentation is to explain the install process for WebSphere Application Server V6.

Agenda

- Application Server Install (GUI and Silent)
- Express Install
- Network Deployment Install
- Silent Install
- Uninstall
- Log Files



The agenda for this presentation is to examine install and uninstall options of WebSphere Application Server V6 Express and Network Deployment. You will also see the appropriate log files to consult when troubleshooting.

Section

Install (GUI and Silent)

This section discusses install process.

Application Server Install Overview

- GUI Install:
 - ▶ Launches from the Launch pad or directly invokes the install executable from the WebSphere directory
 - ▶ Install checks for other WebSphere installs
- Silent Install
 - ▶ Uses a response file as an input to silent install
- Uses ISMP (InstallShield® Multi-platform) to install WebSphere



The install process for WebSphere Application Server V6 has changed somewhat. You are still offered the option of performing either a GUI or silent install, with the silent install requiring the same type of response file that was needed in previous releases. Either process continues to use the install shield product.

The major install difference in different packages WebSphere Application Server V6 is that the Express installer will automatically create a default profile, whereas as the Network Deployment installer will provide a choice to the user for creating profiles. For more information, refer to the presentation on profiles.

Express Install

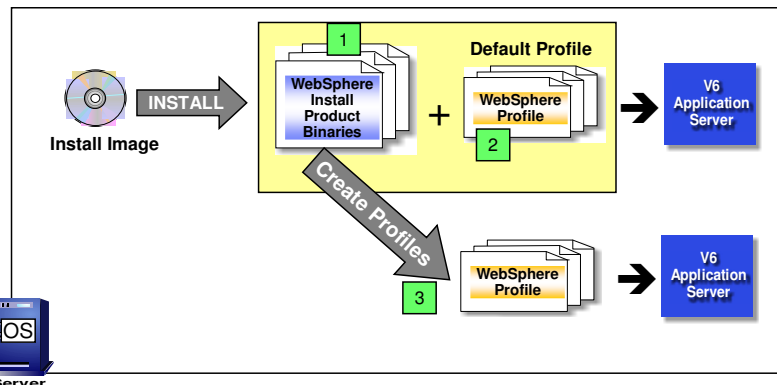
- Part of Install

1. Install product Binaries and
2. Create 1st default WebSphere Profile
3. Optional: Install Java™ Docs, WebSphere Samples and modify port selection on the default profile

- Post Install – Create additional Profiles, if needed

- Optional Samples:

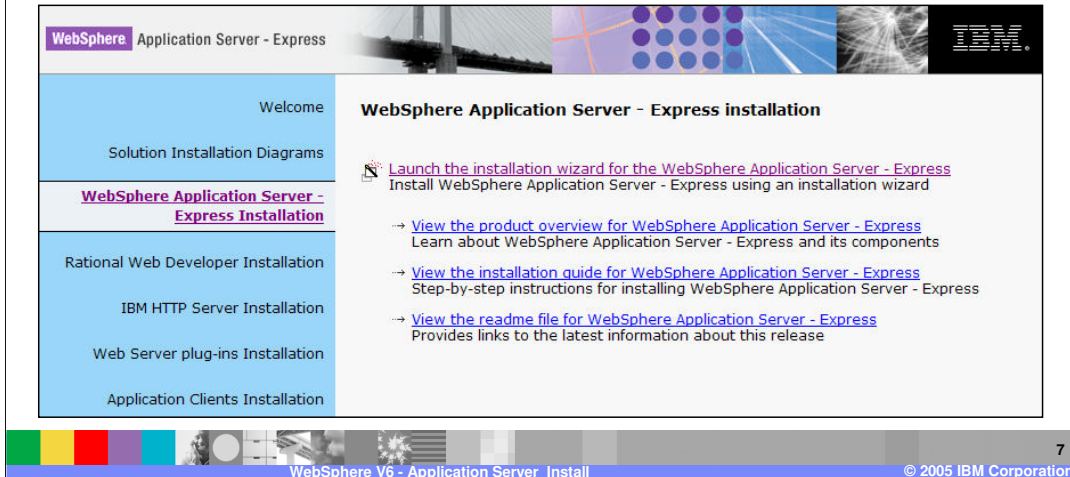
- ▶ PlantsByWebSphere
- ▶ DefaultApplication
- ▶ SamplesGallery
- ▶ SchedulerCalenders
- ▶ Query



Launching Express Server GUI Install



- GUI Install initiated from Launch pad
 - ▶ IHS and Web Server plug-in install is not part of Express Application Server install

A screenshot of the WebSphere Application Server - Express installation wizard. The window title is "WebSphere Application Server - Express". The main content area is titled "WebSphere Application Server - Express installation" and contains a "Launch the installation wizard for the WebSphere Application Server - Express" button. Below this are three links: "View the product overview for WebSphere Application Server - Express", "View the installation guide for WebSphere Application Server - Express", and "View the readme file for WebSphere Application Server - Express". The left sidebar contains a navigation menu with items: "Welcome", "Solution Installation Diagrams", "WebSphere Application Server - Express Installation", "Rational Web Developer Installation", "IBM HTTP Server Installation", "Web Server plug-ins Installation", and "Application Clients Installation". The bottom of the screenshot shows a status bar with "WebSphere V6 - Application Server Install" and "© 2005 IBM Corporation".

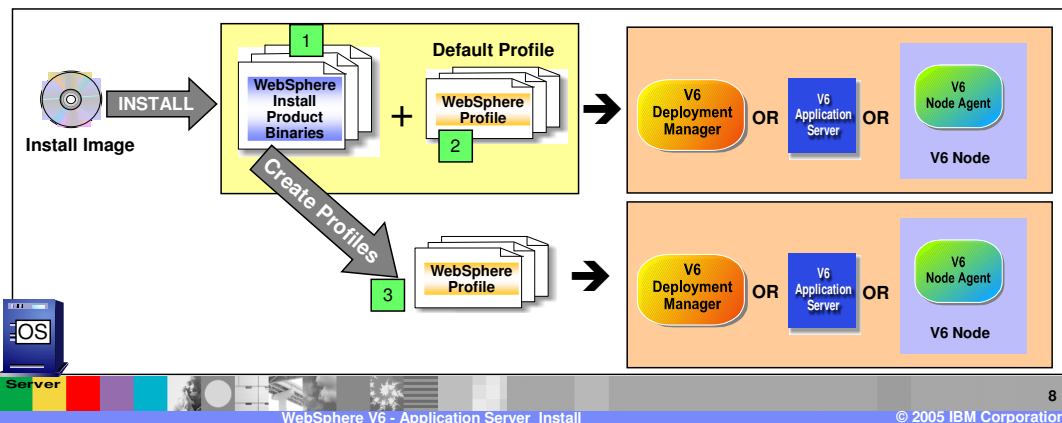
A demonstration is available of the Express install process. Click on the Show Me button to view this demo.

Network Deployment Install

Part of Install

- ▶ (1) Install product Binaries and option to install Java Docs and WebSphere Samples
- ▶ (2) OPTIONALLY, Create 1st default WebSphere Profile - DMgr, Stand-alone Single Application Server or Custom Profile (Managed Node)

Post Install – (3) create additional Profiles, if needed

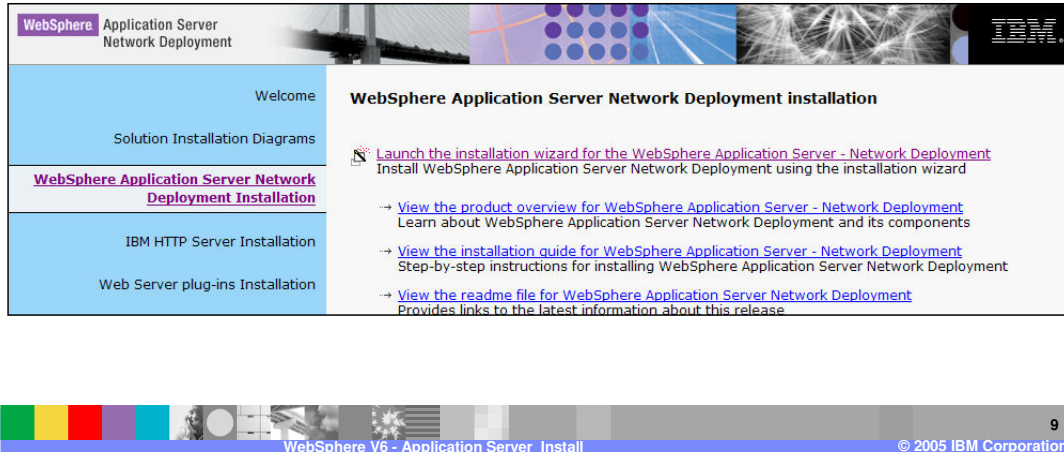


The install process differs from the Express install in that the profile creation is an optional step after installing the product files. The application server can't be used until a profile is created, but the process can be deferred until a more convenient time. Like in the express install more profiles can be created after install.

Launching ND Server GUI Install



- GUI Install initiated from Launch pad
 - ▶ IHS and Web Server plug-in install is not part of ND Application Server install



The screenshot shows the WebSphere Application Server Network Deployment installation wizard. The title bar reads "WebSphere Application Server Network Deployment". The main content area is titled "WebSphere Application Server Network Deployment installation" and contains the following text:

Launch the installation wizard for the WebSphere Application Server - Network Deployment
Install WebSphere Application Server Network Deployment using the installation wizard

→ [View the product overview for WebSphere Application Server - Network Deployment](#)
Learn about WebSphere Application Server Network Deployment and its components

→ [View the installation guide for WebSphere Application Server - Network Deployment](#)
Step-by-step instructions for installing WebSphere Application Server Network Deployment

→ [View the readme file for WebSphere Application Server Network Deployment](#)
Provides links to the latest information about this release

The footer of the screenshot displays "WebSphere V6 - Application Server Install" and "© 2005 IBM Corporation".

A demonstration is available of the Network Deployment install process. Click on the Show Me button to view this demo.

Section

Silent Install

The section discusses the silent install process.

Silent Install

- Uses an option file where you specify all the install options
- Sample option files are provided:
 - ▶ For Express install: **responsefile.express.txt**
 - ▶ For Base install: **responsefile.base.txt**
 - ▶ For Network Deployment install: **responsefile.nd.txt**
- Use the sample files to create your own custom option file, and use the following command:
- **install -options "myresponsefile.txt" -silent**

Refer to the Information Center for all the response file options

During a silent install, a response file will be used to obtain the input for the install process. The appropriate response file will need to be created before the silent install process is begun. To aid in this, a number of sample response files are provided, for each install types.

Silent Install – Network Deployment

- Additional profile creation sample option files are provided to create profiles during or after install:
 - ▶ responsefile.pct.NDdmgrProfile.txt - For DMgr profile
 - ▶ responsefile.pct.NDStand-aloneProfile.txt – For Stand-alone Application Server profile
 - ▶ responsefile.pct.NDmanagedProfile.txt – For Custom Managed Profile



The process of creating a profile can also be done silently, rather than using the GUI profile wizard. Separate response files are needed to create a profile. Again a number of sample response files are provided to aid in creating a custom response file.

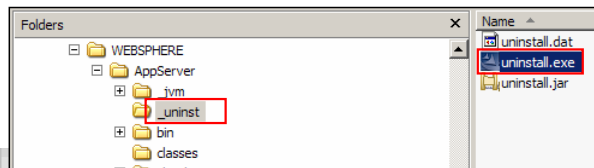
Section

Uninstall

This section discusses the uninstall process.

WebSphere V6 - Uninstall

- Uninstall uses InstallShield™ Multi Platform (ISMP) uninstaller
 - ▶ Entries in vpd.properties (Windows™, AIX®, Linux®) are removed by ISMP
- Located in the WebSphere directory tree under the “_uninst” directory
 - ▶ Command : uninstal.exe(.bin)
- **Always use the uninstaller to remove WebSphere components**
 - ▶ **Do not use other means like Add/Remove program to uninstall WebSphere**
- Cannot custom uninstall parts of WebSphere install (like Samples)
 - ▶ All the components will be removed
- Silent Uninstall is supported
 - ▶ **uninstall.exe(.bin) –silent**



During the install process for WebSphere Application Server, an uninstaller will be created. This is the best means available to remove a WebSphere install from a server. The uninstall process will completely remove WebSphere Application Server, and cannot be used to only remove certain components. A silent uninstall feature is also available.

Section

Install Log Files

This section discusses a number of install logs that are created during install.

WebSphere Install Logs: Application Server

Group	Log Files (default names)	Description
Application Server install logs	<WAS_HOME>/logs/log.txt	Main install log. Look for the following message: <ul style="list-style-type: none"> • INSTCONFSUCCESS for success <ul style="list-style-type: none"> ▸ All configuration actions executed successfully and all files laid down correctly • INSTCONFPARTIALSUCCESS for partial success - see cmtlog.txt for details <ul style="list-style-type: none"> ▸ Implies some non-fatal configuration actions failed (see cmtlog.txt for details) • INSTCONFFAILED for total failure - see cmtlog.txt for details
	<WAS_HOME>/logs/instconfig.txt	XML-based log for the configuration manager – a separate viewer will be available later to view this file
Profile creation	In <WAS_HOME>/logs dir: <i>launch_wsprofile.log</i> , <i>wasprofile.log</i>	Problem when launching the profile and creating profiles – used by the installer and also when creating profiles outside install process
Application deployment	In <WAS_PROFILE>/logs dir: <name>_deploy.log, <name>_config.log	Deployment and configuration logs for each of the enterprise applications installed by the WebSphere installer (Admin console, samples, etc)
Default Server	In <WAS_PROFILE>/logs dir, logs for server1, and other configuration	Logs for creating default server (server1), Service integration bus, etc.
vpd.properties	Entries added in the vpd properties files for Application Server	Entries added with WSB...60 identifier for all Application Server packages – Applies to Windows, AIX and Linux platforms only

<WAS_HOME> is the WebSphere install directory
 <WAS_PROFILE> is the Profile directory - default location = <WAS_HOME>/profiles/<profile-name>

This slide is a reference listing the different log files that can contain information obtained from the WebSphere Application Server install process. These logs should be used during problem determination of an unsuccessful install. Notice the new concept of the *WAS_Home* directory being different from the *WAS_Profile* directory which is located within *WAS_Home*.

Section

References

This section provides a number of References for the install process.

References

References

- ▶ [WebSphere V6 Information Center](#)

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