



IBM Software Group

IBM® WebSphere® Application Server V6

IBM HTTP Server V6 Install

Distributed Platform



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This presentation will focus on the IBM HTTP Server V6 install process.

Goals

- The goal is to understand the IBM HTTP Server (IHS) V6 install process

- Prerequisite:
 - ▶ WebSphere Application Server V6 Install Overview

The goal of this presentation is to explain the install process of the IBM HTTP Server (IHS) V6.

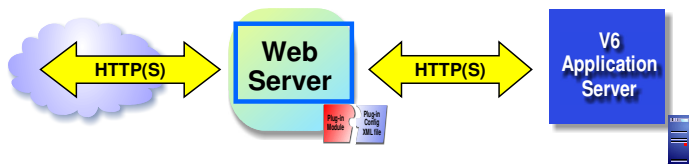
Section

IBM HTTP Server V6 - Install



The next section will detail the install process of the IBM HTTP server V6.

IHS V6 Installer



- InstallShield™ Multi-Platform based installer
- Available as a download from the external IBM HTTP Server site or on WebSphere Application Server package CD under "IHS" directory
- No longer invoked silently via the WebSphere Application Server install
- IHS V6 is based on Apache 2.0.47
- IHS install can be on the same machine as the Application Server or on a remote machine

The install process for the IBM HTTP Server is based on the same Install Shield platform as the other installs in WebSphere Application Server V6. The installer for the IBM HTTP Server is available on the WebSphere CD or can be obtained from the external IBM HTTP site. The install process for the IBM HTTP Server is a separate install in WebSphere Application Server V6, instead of being included as part of the basic install process. IBM HTTP Server V6 is based on the Apache 2.0.47 web server.

IHS V6 Install : GUI and Silent Install

- GUI Install:
 - ▶ Launched from the Launch pad or directly invoking the Install executable from the "IHS" directory
- Silent Install
 - ▶ Uses a response file as an input to silent install
 - Customize the sample response file, provided in the IHS directory
 - ▶ install -options "responsefile.txt" -silent
- Entries in vpd.properties (Windows™, AIX®, Linux®) are added during install
- Option to change the install location
- Global Security Kit (GSKit) is installed as part of IBM HTTP Server, unless
 - ▶ IBM HTTP Server is installed in developer mode or if the provided user id does not have the administrator (root) privileges



There are two options of installing the IBM HTTP Server. The first option is to use the GUI wizard that can be started from the Launch pad, or directly from the IHS directory. The second option is to do a silent install. This requires the creation of a response file that holds the information for which the wizard would otherwise prompt a user. When the IBM HTTP Server is installed, entries will be placed in the vpd properties file. This file can be checked for information about the IBM HTTP Server that has been installed. During the install of the IBM HTTP Server the Global Security kit for web servers will also be installed, as long as the appropriate permissions exist.

Starting IHS

- **Windows® Platform**
 - ▶ **Services** in the Control Panel.
 - Default setting is to start Automatically
 - ▶ From the Start menu
 - **Start > Programs > IBM HTTP Server > Start Server**
- **Unix® environment:**
 - ▶ **Command line**
 - <IHS_Install_root>/bin/apachectl start
 - <IHS_Install_root>/bin/apachectl stop

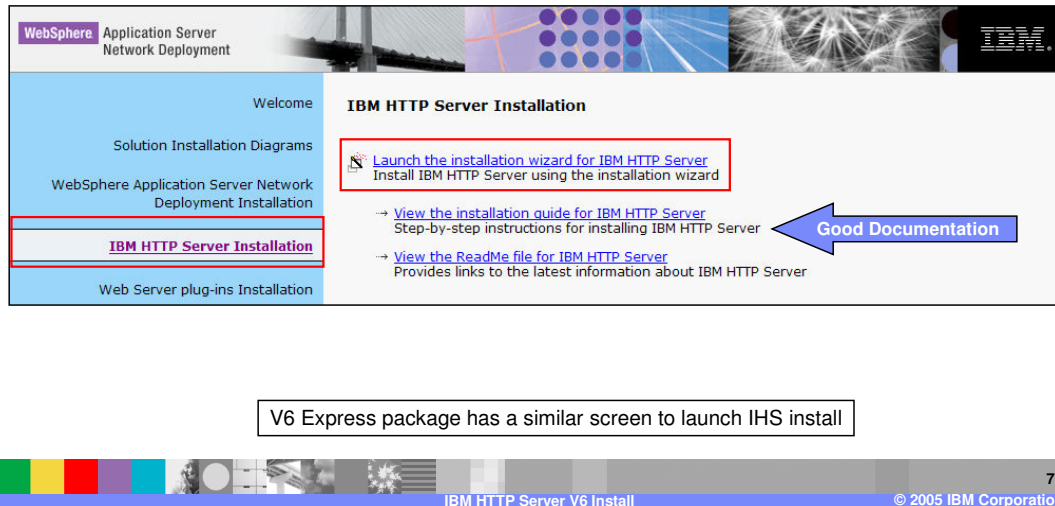


Starting the IBM HTTP Server varies on your platform. In Windows, its started from the services panel, or the start menu. In a Unix environment, it is a command run from the prompt. Specific information on other platforms can be found in the Information Center.


GUI Install – Launching IHS Install



- IBM HTTP Server install initiated from Launch pad
 - ▶ Unlike WebSphere Application Server V5, where IBM HTTP Server install was within the Application Server install wizards



The screenshot shows the "IBM HTTP Server Installation" window. On the left is a navigation pane with the following items: "Welcome", "Solution Installation Diagrams", "WebSphere Application Server Network Deployment Installation", "IBM HTTP Server Installation" (highlighted with a red box), and "Web Server plug-ins Installation". The main content area is titled "IBM HTTP Server Installation" and contains the following text:

 [Launch the installation wizard for IBM HTTP Server](#)
Install IBM HTTP Server using the installation wizard

→ [View the installation guide for IBM HTTP Server](#)
Step-by-step instructions for installing IBM HTTP Server

→ [View the ReadMe file for IBM HTTP Server](#)
Provides links to the latest information about IBM HTTP Server

A blue arrow labeled "Good Documentation" points to the second link. A text box below the screenshot reads: "V6 Express package has a similar screen to launch IHS install". The footer of the window shows "IBM HTTP Server V6 Install" and "© 2005 IBM Corporation".

This page illustrates how the IBM HTTP Server install process can be started within the Launch pad program.

Clicking on the Show Me button will start the IHS install demonstration.

Security component (GSKit) Install

- Previous releases:
 - ▶ GSKit was installed as part of Web Server plug-in and IBM HTTP Server install within the WebSphere Application Server install wizard
- In V6:
 - ▶ WebSphere Application Server install wizard will no longer install GSKit.
 - ▶ Web Server Plug-in and IBM HTTP Server installer will install it, if one does not exist
 - ▶ GSKit v7.0.3.6 will be installed unless:
 - Installing as a developer or if the supplied user id has no administrator (root) privileges



As mentioned earlier, during the IBM HTTP Server install, the Global Security Kit for Web Servers will be installed. In previous versions of WebSphere Application Server this was part of the Application Server install process. The GSKit version 7 will be installed as long as appropriate permissions are possessed by the user.

IBM HTTP Server - Uninstall

- Uninstall uses the InstallShield Multi Platform (ISMP) uninstaller
 - ▶ Entries in vpd.properties (Windows, AIX, Linux) are removed by ISMP
- Located in the IHS directory tree under the _uninst directory
 - ▶ Command : **uninstall.exe**
- Always use the ISMP uninstaller and not any OS services to remove IBM HTTP Server
- Silent Uninstall is supported
 - ▶ **uninstall.exe –silent**



During the IBM HTTP Server install, an InstallShield uninstaller will be created for the IBM HTTP Server. This is no different than the uninstaller created for WebSphere Application Server during its install. This uninstaller is what should be used to remove the IBM HTTP Server, with one of the options shown on the slide. Any other process used is not guaranteed to remove all of the components created during the install process.

IBM HTTP Server Install Logs

Log Files	Description
<IHS_INSTALL>/ihsv6_install.log	<p>Records all of the ISMP events that occur during the install. The log also describes whether the install was local or remote. Messages at the end of the file indicate whether manual configuration steps are required to complete the install. Look for the following in the log file:</p> <ul style="list-style-type: none"> ▪ INSTCONFSUCCESS for success <ul style="list-style-type: none"> ▶ All configuration actions executed successfully and 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 ▪ INSTCONFFAILED for total failure (see cmtlog.txt for details)
installGSKit.log	Records events only when install of the GSKit fails

This page is a reference listing the different log files that can contain information obtained from the IBM HTTP Server install process. These logs should be used during problem determination of an unsuccessful install.

Section

Summary and Reference

This is the summary and reference section.

Summary and References

- Easier to install IBM HTTP Server on remote machine
 - ▶ Does not require WebSphere Application Server wizards, like in V5

- References
 - ▶ WebSphere Application Server V6 Information Center

This presentation explained the install process for the IBM HTTP server V6. More details can be found in the Information Center.

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