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WebSphere® Process Server V6.0
WebSphere® Integration Developer V6.0
WebSphere Integration Developer Installation



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This presentation will provide an overview of WebSphere Integration Developer V6.0 installation.

Goals

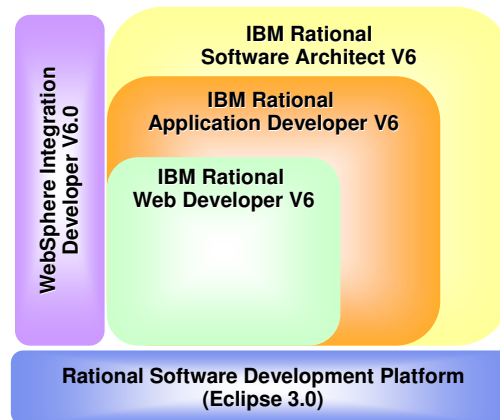
- Describe WebSphere Integration Developer V6.0 installation details
- Provide tips for troubleshooting a failed installation
- Describe uninstall process



The goals of this presentation are to describe the installation process for WebSphere Integration Developer V6.0 and to provide some tips for troubleshooting a failed installation. A brief description of the uninstall process will also be included.

Installation: Architecture

- Rational Software Development Platform (RSDP) provides the basis for WebSphere Integration Developer V6.0
 - ▶ Composed of Eclipse 3.0 and other components
- Rational Software Development Platform is installed once per system
 - ▶ Only plug-ins for the new product are installed



As with other IBM software products, the Rational Software Development Platform (RSDP) provides the basis for WebSphere Integration Developer V6.0. This platform is built upon Eclipse 3.0 technology. The important thing to be aware of with the RSDP is that it is installed once per system. As other products built upon this platform are installed, only the plug-ins needed by the new product are installed.

Installation: Migration and Co-existence

- WebSphere Studio Application Developer Integration Edition v4.x.x or V5.0.x
 - ▶ No migration support available
 - ▶ Can co-exist with WebSphere Integration Developer V6.0
- WebSphere Studio Application Developer Integration Edition V5.1.1
 - ▶ Source artifact migration available and co-existence
- Other RSDP-based products
 - ▶ See Installation guide for complete list



Shown here is a summary of the migration and co-existence information for WebSphere Integration Developer V6.0 with respect to related IBM products. Customers moving from WebSphere Studio Application Developer Integration Edition to WebSphere Integration Developer V6.0 need to be aware of the version numbers of WebSphere Studio Application Developer Integration Edition for migration support. For versions of WebSphere Studio Application Developer Integration Edition prior to V5.1.1, there is no migration support available. However, source artifact migration is available for WebSphere Studio Application Developer Integration Edition V5.1.1.

WebSphere Integration Developer V6.0 can co-exist with previous versions of WebSphere Studio Application Developer Integration Edition. For more information on co-existence with other RSDP-based products, see the WebSphere Integration Developer V6.0 installation guide.

Installation: Hardware Requirements

Hardware	Requirement
Processor	<ul style="list-style-type: none">▪ Intel Pentium III 1GHz processor (minimum)▪ Higher is recommended
Memory	<ul style="list-style-type: none">▪ 1 GB RAM (minimum)▪ 1 – 2 GB RAM is recommended
Disk Space	<ul style="list-style-type: none">▪ Full WebSphere Integration Developer V6.0 install requires 5 GB disk space▪ 1 GB TEMP disk space is needed during installation
Display	<ul style="list-style-type: none">▪ 1024x768 (minimum)▪ 1280x1024 is recommended

The information on this slide summarizes hardware requirements for a WebSphere Integration Developer V6.0 installation. A complete discussion of these requirements can be found in the product installation guide.

Installation: Supported Operating Systems

- Windows 2000 Advanced Server with SP3 and SP4
- Windows 2000 Server with SP3 and SP4
- Windows 2000 Professional with SP3 and SP4
- Windows Server 2003 Enterprise Edition
- Windows Server 2003 Standard Edition
- Windows XP Professional with SP1 and SP2
- Red Hat Enterprise Linux 3.0 WS Update 2
- SuSe Linux Enterprise Server 9



This slide summarizes the supported operating systems for a WebSphere Integration Developer V6.0 installation. This information can also be found in the product installation guide.

Installation: Hints and Other Information

- Before installing WebSphere Integration Developer V6.0
 - ▶ Verify you are logged on as a user with administrative privileges
 - ▶ Verify there is 1 GB of available TEMP space
 - ▶ Verify other shell sharing products are at the appropriate levels
 - Installation time is longer than WebSphere Studio Application Developer Integration Edition V5.1.1
 - ▶ WebSphere Integration Developer installation ≈ 30 min
 - ▶ WebSphere Process Server V6.0 installation ≈ 45-90 min
 - Sources of information
 - ▶ <IMAGE_DIR>\disk1\readme.html
 - ▶ <IMAGE_DIR>\disk1\install.html
 - ▶ <IMAGE_DIR>\disk1\migration.html
- } Total Time
≈ 2 Hours
- } Also available
from launchpad




Before installing WebSphere Integration Developer V6.0 there are several things you should verify to ensure that the installation process can proceed. First, make sure you are logged onto the system as a user that has administrative privileges before starting the installation process. Also, make sure that there is at least 1GB of TEMP disk space available for use during the installation process. If you are installing WebSphere Integration Developer V6.0 on a system that has other RSDP-based products installed, it is important to verify that these products are at the appropriate levels. If they are not, during the installation process, you may be informed that the installation cannot proceed until these products are at the appropriate level.



If you have installed WebSphere Studio Application Developer Integration Edition V5.1.1 in the past, you should be aware that the installation will be a little longer for WebSphere Integration Developer V6.0. The time it takes to install the base WebSphere Integration Developer V6.0 product is approximately 30 minutes, and there is an additional 45-90 minutes if you choose to install the WebSphere Process Server V6.0 unit test environment. The total time to install WebSphere Integration Developer V6.0 with the unit test environment could be approximately 2 hours.


If you would like to learn more about installation and migration considerations with WebSphere Integration Developer V6.0 before installing the product, refer to the following sources of information included on disk 1 of the installation media:



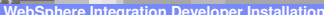

<IMAGE_DIR>\disk1\readme.html , <IMAGE_DIR>\disk1\install.html, and
<IMAGE_DIR>\disk1\migration.html.
WPSWIDv6_WIDInstallation.ppt

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Installation: Wizard

- Run launch pad
 - ▶ <IMAGE_DIR>\disk1\launchpad.exe 
 - ▶ <IMAGE_DIR>/disk1/launchpad.bin 
- Select Install IBM WebSphere Integration Developer V6.0
- Installation Steps
 - ▶ Read/Accept license agreement
 - ▶ Specify install location
 - ▶ Select WebSphere Integration Developer features
 - WebSphere Process Server V6.0 Test Environment



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WebSphere Integration Developer V6.0 includes an installation wizard to guide developers through the installation process. A common way to start the installation wizard is using the launchpad that is found on disk 1 of the installation media. On the launchpad you will see an option to install WebSphere Integration Developer V6.0 along with links to the readme, installation, and migration guides.

The installation wizard for WebSphere Integration Developer V6.0 guides you through 3 primary installation steps. First, you are asked to review and accept the license agreement. Next, you have the opportunity to specify the installation location or accept the default. Finally, you have the option to install the WebSphere Process Server V6.0 unit test environment silently as part of the WebSphere Integration Developer V6.0 installation process.

Linked on this slide is a show me demonstration that illustrates the WebSphere Integration Developer V6.0 installation process. To watch this demonstration click on the Show Me icon.

Installation: Command Line

- Location of setup.exe

- > <IMAGE_DIR>\disk1\setup\setup.exe Windows

- > <IMAGE_DIR>/disk1/setup/setup.bin Linux

- Examples

Options	Description
setup.exe -console	Interactive command line installation
setup.exe -silent	Silent install with Default install (features and location)
setup.exe -silent -P installLocation="C:\WID_INSTALL_DIR"	Silent install with install location specified
setup.exe -silent -options "<DIR>\responseFile.txt"	Silent install with options in response file. Response file options include: <ul style="list-style-type: none"> ▪installLocation ▪feature_wps6_win32.active

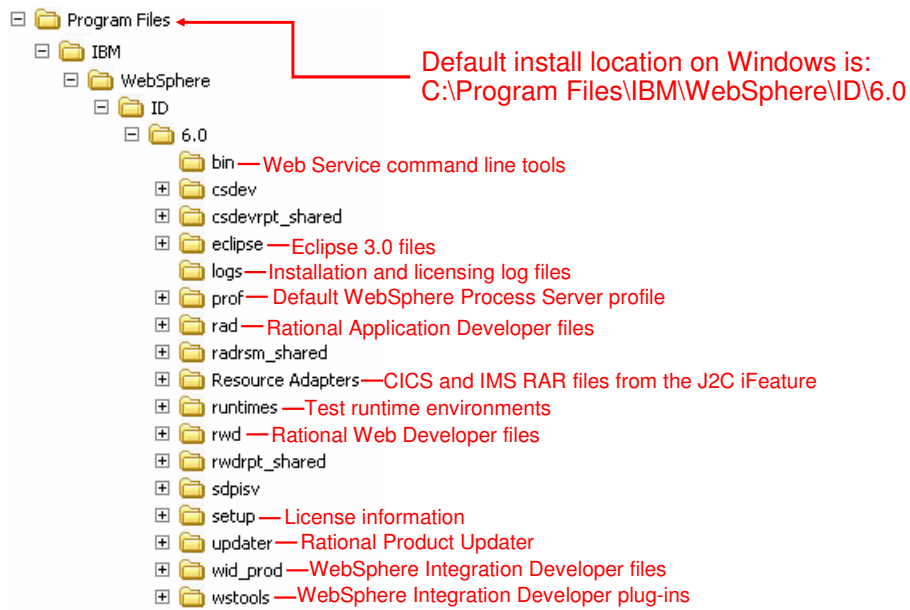
In addition to the installation wizard, there is also a command line utility available to install WebSphere Integration Developer V6.0. The command line utility (setup.exe) is found on disk 1 under the setup directory of the installation media. This slide also lists several common options available with this command line utility. For more information on this utility and the available options, see the WebSphere Integration Developer V6.0 installation guide.

Installation: Process Details

Step	Description	Comments
1	<ul style="list-style-type: none"> Lay down WebSphere Integration Developer V6.0 product files 	<ul style="list-style-type: none"> Failures are uncommon during this step
2	<ul style="list-style-type: none"> Lay down RSDP V6.0 Run updater to bring to V6.0.0.1 level 	<ul style="list-style-type: none"> Failures during this step are typically the result of inadequate TEMP disk space
3	<ul style="list-style-type: none"> WebSphere Process Server V6.0 server installation 	<ul style="list-style-type: none"> This process may take anywhere from 45-90 minutes See troubleshooting WebSphere Process Server V6.0 installation for more information on failures during this step
4	<ul style="list-style-type: none"> Compiles Eclipse plug-in cache data 	<ul style="list-style-type: none"> Failures are uncommon during this step This process will take about 15 minutes

There are four basic steps to the WebSphere Integration Developer V6.0 installation process. These steps are summarized on this slide along with some comments on types of failures that can occur during each phase. In the first step, the WebSphere Integration Developer V6.0 installer lays down the product files. Next, in the installation process the RSDP V6.0 files are added and the updater is used to bring these files to the V6.0.0.1 level. If you selected to install the WebSphere Process Server V6.0 unit test environment, this feature is installed silently during the third phase of the installation process. Finally, as the last step in the installation process, the eclipse plug-in cache data is compiled. When the installation process is complete, you will see a summary page that identifies the status of each phase in the installation process. If there are any failures reported on the summary page, take note of the step that failed and refer to the installation logs for more information on the error.

Installation: File System Layout (Example)



This slide highlights the file system layout after WebSphere Integration Developer V6.0 has been installed.

Installation: Product Configuration

- Registry updated in Windows
 - ▶ See Appendix for more information
- Entries beginning with wid_xxx added to
 - ▶ **Windows 2000** – C:\WINNT\vpd.properties
 - ▶ **Windows XP / 2003** – C:\WINDOWS\vpd.properties
 - ▶ **Linux** – /root/vpd.properties
- Entries added to RAT60 properties
 - ▶ **Windows 2000** – C:\WINNT\IBM\RAT60\.sdpinst\cdi_ref.properties
 - ▶ **Windows XP/2003** –
C:\WINDOWS\IBM\RAT60\.sdpinst\cdi_ref.properties
 - ▶ **Linux** – /etc/RAT60/.sdpinst/cdi_ref.properties

During the WebSphere Integration Developer V6.0 installation there are some product configuration steps that occur. This slide summarizes this configuration. To begin, the Windows registry updates are listed in the Appendix of this presentation. In addition to the updates to the Windows registry there are also two properties files that are updated. First, the vpd.properties file is updated to include several key WebSphere Integration Developer specific property values. These properties begin with “wid_”. Configuration updates are also made to the RAT60 properties file as noted on this slide.

WebSphere Process Server V6.0 Environment

- Full WebSphere Process Server V6.0 install
 - ▶ Installed silently
 - ▶ Binaries installed to <WID_HOME>\runtimes\bi_v6
 - ▶ Default profile created at <WID_HOME>\prof\
 - ▶ Userid /password of wid/wid is created automatically at install time
- Installation log files
 - ▶ <WID_HOME>\logs\wps_v6_install_out.log
 - Check for INSTCONFSUCCESS message at end of file for successful installation
 - ▶ <WID_HOME>\logs\wps_v6_install_err.log
 - ▶ <WID_HOME>\runtimes\bi_v6\logs\log.txt
 - ▶ <WID_HOME>\runtimes\bi_v6\logs\wbi\
 - ▶ <WID_HOME>\runtimes\bi_v6\logs\wsprofile\wasprofile_create_wid.log

If you choose to install the WebSphere Process Server V6.0 unit test environment, there are several things that are important to know about the installation of this feature. As mentioned previously, the WebSphere Process Server V6.0 unit test environment is installed silently as part of the WebSphere Integration Developer installation process if you select this feature for installation. The binaries for this product are installed under <WID_HOME>\runtimes\bi_v6, and a default profile is created under <WID_HOME>\prof\. Also during the installation process, a userid and password combination is created automatically.

If there is a failure during the installation of the WebSphere Process Server V6.0 unit test environment, the locations of the installation logs are listed on this slide.

Test Environment Product Configuration

- Registry updated in Windows
 - ▶ See Appendix for more information
- Entries beginning with WSEAA and WSBAA added to vpd.properties file
 - ▶ **Windows 2000** – C:\WINNT\vpd.properties
 - ▶ **Windows XP / 2003** – C:\WINDOWS\vpd.properties
 - ▶ **Linux** – /root/vpd.properties
- Creates .WASRegistry and .WBIRegistry files in the following location
 - ▶ **Windows** – C:\Document and Settings\%USER_PROFILE%\
 - ▶ **Linux** – /root/



During the WebSphere Process Server V6.0 installation there are some product configuration steps that occur. This slide summarizes this product configuration. To begin, the Windows registry updates are listed in the Appendix of this presentation. In addition to the updates to the Windows registry, two properties files are also updated. First, the vpd.properties file is updated to include several key WebSphere Process Server specific property values. These properties begin with “WSEAA” and WSBEE. Also, two registry files are created called .WASRegistry and .WBIRegistry.

Installation: Troubleshooting

- Identify which step during the installation failed
 - ▶ Final panel of installation wizard provides an install summary
 - ▶ Check install log files
 - WebSphere Integration Developer: <WID_HOME>\logs\
 - WebSphere Process Server
- Uninstall product before attempting another install
- Use the following to enable debugging during installation
 - ▶ `setup.exe -log # !C:\output.txt @ALL`



If you experience a failed WebSphere Integration Developer installation, first identify the installation step where the failure occurred. This information is displayed on the last panel of the installation wizard. Also, refer to the installation logs noted on this slide for more information about the failure. Before attempting another install of the product, make sure you run the uninstall for WebSphere Integration Developer before proceeding. This will clean up any product configuration that has occurred as part of the installation process. Once you have corrected the cause of the installation problem, you can proceed with installing the product again. There is a command line option available that will allow you to turn on debugging during installation. This command is noted at the bottom of this slide.

Uninstall

- Before uninstalling WebSphere Integration Developer
 - ▶ Verify the WebSphere Process Server is stopped
 - ▶ Exit WebSphere Integration Developer
 - ▶ Verify you are logged in with administrative privileges
- To uninstall
 - ▶ Run the following command
 - <WID_HOME>\wid_prod_uninst\uninstall.exe **Windows**
 - <WID_HOME>/wid_prod/_uninst/uninstall.exe **Linux**
- Remaining files/directories after uninstall
 - ▶ <WID_HOME>\eclipse\.config
 - ▶ <WID_HOME>\eclipse\links
 - ▶ <WID_HOME>\logs

This slide provides some information about uninstalling WebSphere Integration Developer V6.0. Before attempting to uninstall WebSphere Integration Developer V6.0 there are a few things you should check. First, verify that the WebSphere Process Server V6.0 unit test environment is stopped and that you have exited WebSphere Integration Developer. Also, make sure you have logged onto the system as a user with administrative privileges. To launch the uninstall process, run `uninstall.exe` under `<WID_HOME>\wid_prod_uninst\`. After the product has been uninstalled, you might notice some files and directories that remain. These files are listed at the bottom of this slide.

Summary

- WebSphere Integration Developer V6.0 is based upon Rational Software Development Platform V6.0.0.1
 - ▶ Shell sharing with RSDP products at a level greater than V6.0.0.1 will be blocked
- Installation of WebSphere Process Server unit test environment is an option install feature

For more information on the installation of WebSphere Integration Developer V6.0, look at the installation guide provided with the installation media.

Section

Appendix

Installation: Windows Registry Keys

```
[HKEY_LOCAL_MACHINE\SOFTWARE\IBM]
[HKEY_LOCAL_MACHINE\SOFTWARE\IBM\WebSphere Integration Developer]
[HKEY_LOCAL_MACHINE\SOFTWARE\IBM\WebSphere Integration Developer\product]
[HKEY_LOCAL_MACHINE\SOFTWARE\IBM\WebSphere Integration Developer\product\com.ibm.wid]
"location"="$N($P(absoluteInstallLocation))"
"version"="6.0"
"name"="IBM WebSphere Integration Developer"
"edition"="Full"

[HKEY_LOCAL_MACHINE\SOFTWARE\IBM\WebSphere Integration Developer\components]
[HKEY_LOCAL_MACHINE\SOFTWARE\IBM\WebSphere Integration Developer\components\com.ibm.wid.specific]
"location"="$N($P(absoluteInstallLocation)/wid_prod)"

[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall]
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall\06fa267e8c64aa70259d1a86162408e6]
"DisplayIcon"="$N($P(absoluteInstallLocation)\wid.ico)"
```

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