IBM WebSphere Application Server Feature Pack for Communications Enabled Applications

Maintenance

This presentation describes how to work with maintenance for the IBM WebSphere® Application Server Feature Pack for Communications Enabled Applications (CEA).

Agenda

- Installing maintenance
- Enforcing fixes

The first section of this presentation describes how to install maintenance for the feature pack, and the second section discusses features in the Installation Manager that enforce fix levels.

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Installing maintenance

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This section gives an overview of how to work with maintenance in the Feature Pack for CEA environment.

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Application server maintenance

- WebSphere Application Server V7 uses the Update Installer to apply maintenance
  - ▸ Application server maintenance is not available through the Installation Manager

- After applying maintenance to the application server, you must re-import the application server
  - ▸ Otherwise, the Installation Manager does not recognize the updated maintenance level

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WebSphere Application Server V7 uses the Update Installer to apply maintenance. Application server maintenance is not currently available through the Installation Manager. After you apply maintenance to the application server, you must re-import the application server into the Installation Manager. Otherwise, the Installation Manager does not recognize the updated maintenance level.

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Installing fix packs newer than Fix Pack 5

- If you are applying newer service than Fix Pack 5 and are working with Installation Manager on a system that uses local repositories:
  - ▶ Use the Update Installer to apply WebSphere Application Server maintenance as normal
  - ▶ Download new local repository content that supports importing WebSphere Application Server at the newer fix pack level
  - ▶ Configure the new repository in Installation Manager
  - ▶ Import the application server
- If you are using the Web repositories, the repository content to support the updated application server import is found automatically

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If you are applying newer service than Fix Pack 5 and are working with Installation Manager on a system that uses local repositories, you need to take additional steps to be able to import the application server into IBM Installation Manager. This is because the import operation relies on content in the product repository, and the version of the repository that you download when the product is released only contains the content to support the fix packs that are available at release time and not fix packs that will be available in the future.

To work with new fix packs, use the Update Installer to apply application server maintenance, as normal. Next, download the new local repository package that supports importing the application server at the newer fix pack level and configure the new repository in the Installation Manager. Then you can import the application server.

If your Installation Manager is configured to use the Web repositories that are hosted by IBM, then the repository content to support the updated application server import is found automatically.

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Feature pack maintenance

- Maintenance for the Feature Pack for CEA is installed using the Installation Manager
  - ▸ Interface recommends fixes, downloads them from the Web service repository, installs them

- To apply maintenance from a local repository:
  - ▸ Download a local copy of the service repository
  - ▸ Add that repository to your Installation Manager configuration

- Installation Manager finds and recommends maintenance during feature pack installation
  - ▸ Or use the Update wizard to apply maintenance after installation

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Maintenance for the Feature Pack for CEA is installed using the Installation Manager. The interface recommends fixes, downloads them from the Web-based service repository, then installs the fixes. The Installation Manager is designed to only allow you to download fixes for your hardware and operating system – for example, if you are using 32-bit hardware, the Installation Manager will not let you apply fixes that have been built for 64-bit hardware. To apply maintenance from a local repository, rather than a Web-based repository, you need to download a local copy of the service repository and add that repository to your Installation Manager configuration. Installation Manager also finds and recommends maintenance during product installation, or you can use the Update wizard to apply maintenance after installation.

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Enforcing fixes

The Installation Manager includes features that enforce fix levels for WebSphere Application Server.

# Enforcing fix packs at 7.0.0.5 or higher

- The IBM WebSphere Application Server Feature Pack for Communications Enabled Applications requires 7.0.0.5 or higher

- The Installation Manager does not allow you to install the feature pack unless the application server is at the correct fix pack level

Error

The installation package 'IBM WebSphere Application Server V7 Feature Pack for Communications Enabled Applications' requires components supplied by other packages.
The required components may be supplied by the following installation packages:
Package: WebSphere Application Server 7.0.0.5

To fix the problem, you can do one of the following:
-- Cancel this installation and install a package with the required features.
-- Cancel this installation and modify the package to add the required features.

OK   Details >>

- Use the Update Installer to apply application server maintenance, and then re-import the application server
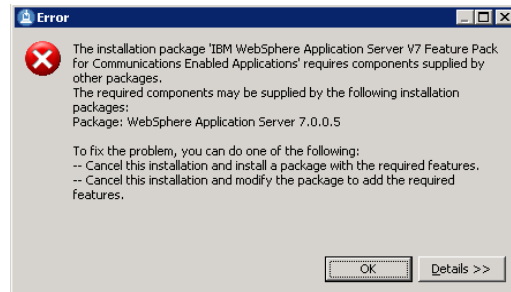
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The IBM WebSphere Application Server Feature Pack for Communications Enabled Applications requires WebSphere Application Server 7.0.0.5 or higher. The Installation Manager does not allow you to install the feature pack unless the application server is at the correct fix pack level. If you see an error panel similar to the one shown above, that typically means that the version of WebSphere Application Server that you imported into the Installation Manager is at an older maintenance level. To get past this, you need to use the Update Installer to apply any application server maintenance, then re-import the application server into Installation Manager.

Enforcing SDK fixes

- Fix Pack 5 for the application server has multiple packages

- To be able to import your WebSphere Application Server installation into the Installation Manager, you must apply BOTH:
  - The application server maintenance package
  - The Java™ SDK maintenance package
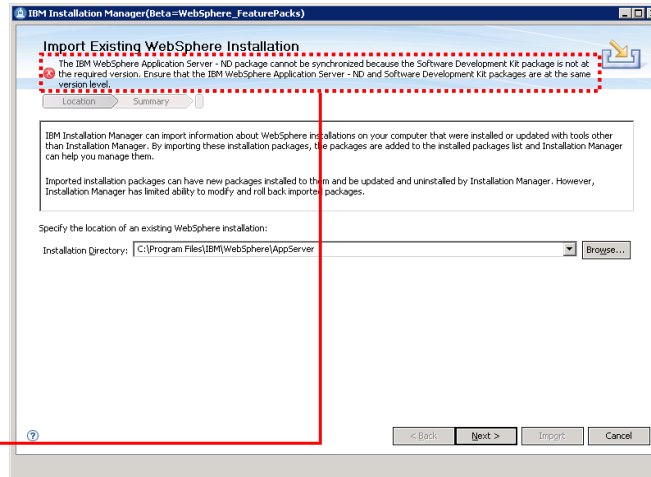
WebSphere Application Server fix packs have multiple packages. To be able to import your WebSphere Application Server installation into the Installation Manager, you just apply both the application server maintenance package and the Java SDK maintenance package for the fix pack. The Feature Pack for CEA requires Fix Pack 5 or higher.

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SDK maintenance example

- Download the fix pack packages you need from the WebSphere Application Server support site

- For example, for 32-bit Linux® on AMD or Intel®, you must apply at least these two packages:

Download package

What is Fix Central (FC)?
What is DD?

Download	RELEASE DATE	LANGUAGE	SIZE(Bytes)	Download Options
32-bit x86 AMD/Intel AppServer	03/27/2009	US English	584125905	FC FTP DD
32-bit x86 AMD/Intel AppClient	03/27/2009	US English	233257699	FC FTP DD
32-bit x86 AMD/Intel Plug-ins	03/27/2009	US English	3450577	FC FTP DD
32-bit x86 AMD/Intel IBM HTTP Srvc	03/27/2009	US English	2772178	FC FTP DD
32-bit x86 AMD/Intel Java SDK	03/27/2009	US English	72333819	FC FTP DD
32-bit x86 DMZ Secure Proxy Server	03/27/2009	US English	142968990	FC FTP DD

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You can download application server and SDK fix packages from the WebSphere Application Server support site. This page shows a sample screen capture for the 32-bit Linux downloads for Fix Pack 3 for WebSphere Application Server. In this example, you need to download and install both of the fix packages that are highlighted in red – AppServer and Java SDK.

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Summary

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This section gives a summary of the what you have learned in this presentation.

Summary

- To apply application server maintenance, use the Update Installer

- To apply feature pack maintenance, use the Installation Manager

- The Installation Manager enforces fixes for WebSphere Application Server

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You need to use different maintenance tools depending on whether you are installing application server fixes or feature pack fixes. For the application server, you must use the Update Installer to apply maintenance, then re-import the application server. For the feature pack, you must use the Installation manager to apply maintenance. The Installation manager enforces WebSphere Application Server fixes by not allowing you to install the feature pack on a back level version of the server and by requiring that both the application server and SDK fixes are at the same level.

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