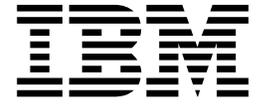


IBM Explorer for z/OS



# Client Installation Guide

*Version 3 Release 1*



IBM Explorer for z/OS



# Client Installation Guide

*Version 3 Release 1*

**Note**

Before using this information, be sure to read the general information under “Notices” on page 37.

**Third edition (September, 2017)**

This edition applies to IBM Explorer for z/OS Version 3.1.1 (program number 5655-EX1) and to all subsequent releases and modifications until otherwise indicated in new editions.

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# Contents

<b>About this book</b> . . . . .	<b>v</b>	Removing an existing software update site . . . . .	17
Who should read this book . . . . .	v	Removing an installed software plug-in . . . . .	18
Where to find more information about z/OS Explorer v		Reverting to a previous installation configuration . . . . .	19
<b>Chapter 1. Preinstallation tasks</b> . . . . .	<b>1</b>	Importing a list of software update sites . . . . .	20
<b>Chapter 2. Hardware and software requirements</b> . . . . .	<b>3</b>	Exporting a list of software update sites . . . . .	21
<b>Chapter 3. Installing z/OS Explorer</b> . . . . .	<b>5</b>	Select or deselect software sites to check for available software . . . . .	22
Installing z/OS Explorer by using the IBM Installation Manager . . . . .	5	<b>Chapter 6. Updating z/OS Explorer.</b> . . . . .	<b>23</b>
Installing z/OS Explorer by using an existing IBM Installation Manager . . . . .	5	Updating z/OS Explorer by using the Installation Manager . . . . .	23
Installing z/OS Explorer from scratch by using the Installation Manager . . . . .	7	Updating z/OS Explorer by using Eclipse p2 update site . . . . .	23
Deploying z/OS Explorer to users without internet access . . . . .	7	<b>Chapter 7. Installing client updates</b> . . . . .	<b>25</b>
Silent installation . . . . .	8	<b>Chapter 8. Uninstalling z/OS Explorer</b> . . . . .	<b>27</b>
Installing z/OS Explorer by using Eclipse p2 . . . . .	9	<b>Chapter 9. IBM Installation Manager</b> . . . . .	<b>29</b>
Installing z/OS Explorer from an existing Eclipse application by using Eclipse p2 . . . . .	9	Installing Installation Manager . . . . .	30
Installing z/OS Explorer from scratch by using Eclipse p2 . . . . .	9	Starting Installation Manager . . . . .	30
Deploying z/OS Explorer to users without internet access . . . . .	10	Uninstalling Installation Manager . . . . .	31
<b>Chapter 4. Starting z/OS Explorer</b> . . . . .	<b>11</b>	Using Installation Manager . . . . .	31
<b>Chapter 5. Installing additional software</b> . . . . .	<b>13</b>	Installation repositories . . . . .	31
Updating and installing software . . . . .	13	Package groups and the shared resource directory . . . . .	32
Using the composite update site . . . . .	13	<b>Appendix. Accessibility features for z/OS Explorer.</b> . . . . .	<b>35</b>
Adding a new software update site . . . . .	14	<b>Notices</b> . . . . .	<b>37</b>
Checking for, and installing, software updates . . . . .	15	Copyright license . . . . .	40
Enabling automatic updates . . . . .	16	Trademark acknowledgments . . . . .	40
		<b>Index</b> . . . . .	<b>43</b>



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## About this book

This installation guide provides instructions for installing and updating IBM® Explorer for z/OS® (z/OS Explorer).

This document contains information about the following tasks:

- Preparing for installation
- Installing z/OS Explorer
- Installing the required and optional workstation software

The following name is used in this manual:

- *IBM Explorer for z/OS* is called *z/OS Explorer*

This document is maintained between product releases. The new changes, and smaller corrections and additions, are indicated by a "|" change bar in the left margin of the page.

For the most up-to-date versions of the complete documentation, see the z/OS Explorer library page.

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## Who should read this book

This book is intended for programmers who are installing and configuring z/OS Explorer client on their workstations. To use this book, you must be able to work with at least one of the supported platforms per Software Requirements:

- Microsoft Windows operating system
- Red Hat Linux operating system
- SUSE Linux operating system
- Ubuntu operating system

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## Where to find more information about z/OS Explorer

This document does not contain information about using z/OS Explorer. For that information, see the online IBM Knowledge Center.

For updated documentation and troubleshooting information, see the z/OS Explorer library page.



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## Chapter 1. Preinstallation tasks

### About this task

Before you install the product, complete the following steps:

1. Confirm that your system meets the requirements that are described in the Chapter 2, "Hardware and software requirements," on page 3 section.
2. Confirm that your user ID meets the following access privileges for installing the product.
  - Your user ID must not contain double-byte characters.
  - To install for all users of the system, you must have an ID that belongs to the Administrators group. If you do not have Administrator privileges, you can only install for the current user.
3. Before installing or uninstalling, disable antivirus and malware detection software.

**Note:** Some antivirus and malware detection software occasionally locks certain files, especially .dll files. The locking interferes with installation and uninstallation operations. When .dll or other files are locked by these programs, installation and uninstallation operations fail with errors indicating that files might not be removed.



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## Chapter 2. Hardware and software requirements

For a complete listing of the z/OS Explorer hardware and software requirements including prerequisites and co-requisites, generate reports from Software Product Compatibility Reports.



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## Chapter 3. Installing z/OS Explorer

You can install z/OS Explorer by using several methods.

The following factors might determine the installation method that you use:

- The format and method by which you access the installation files.
- Whether you are installing onto your own workstation, or making the installation files available to your enterprise.
- Whether you are installing by using the Installation Manager GUI, or installing silently.

You can use the following installation methods to install z/OS Explorer:

- Installing from the Installation Manager
- Installing from Eclipse p2 update site

**Note:** To install z/OS Explorer, you can run the Installation Manager program in silent mode. For details on running Installation Manager in silent mode, see “Silent installation” on page 8.

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### Installing z/OS Explorer by using the IBM Installation Manager

IBM Installation Manager is a single installation program that uses remote or local software repositories to install, modify, or update certain IBM products. Use this program to install, update, modify, roll back, and uninstall packages on your computer. The program locates and shows available packages, checks prerequisites and interdependencies, and installs or modifies the selected packages. You also use Installation Manager to uninstall the packages that you installed by using Installation Manager. For more information about the Installation Manager, see Chapter 9, “IBM Installation Manager,” on page 29.

### Installing z/OS Explorer by using an existing IBM Installation Manager

#### About this task

If you have an existing IBM Installation Manager Version 1.8.5.1 or later, install z/OS Explorer by taking the following steps:

#### Procedure

1. Start the Installation Manager. If you did not install Installation Manager before, download it from the IBM Installation Manager download website. Version 1.8.5.1 or later is required.
2. On the main panel of the Installation Manager, click **File > Preferences**.
3. On the Preferences panel, click **Repositories > Add Repositories**.
4. On the Add Repositories panel, add the Offering URL of z/OS Explorer. The URL for z/OS Explorer V3.0 (Eclipse 4.4 Luna) is <http://public.dhe.ibm.com/ibmdl/export/pub/software/htp/zos/tools/aqua/>. The URL for z/OS Explorer V3.1 (Eclipse 4.6 Neon) is <http://public.dhe.ibm.com/ibmdl/export/pub/software/htp/zos/tools/aqua3.1>. And click **OK**.
5. Go back to the main interface of Installation Manager, and click **Install**.

6. On the **Install Packages** panel, select **IBM Explorer for z/OS** and the version number that you purchased, and click **Next**.
7. If prompted to update IBM Installation Manager to a newer version, to install the update immediately, click **Yes**, or to install the newer version later, click **No**.
8. On the **Licenses** panel, select **I accept the terms in the license agreement**, and click **Next**.
9. On the **Location** panel, specify the directory accordingly:
  - If you do not have any other packages already installed on the system, enter the path of the shared resources directory to use in the **Shared Resources Directory** field.

**Note:** Select a location on the largest drive for the shared resources directory, because it will be used by every package that you install using Installation Manager, and it cannot be changed after the first package is installed. To change the location of the shared resources directory later, you must uninstall all of the packages and then reinstall them, specifying a new shared resources directory.

- If you are also installing Installation Manager with z/OS Explorer, enter the location to install Installation Manager in the **Installation Manager Directory** field.
10. On the next **Location** panel, specify whether to create a new package group to contain the z/OS Explorer package, or to use an existing package group on the system. When you install packages into the same package group, they share a common workbench, and the functionality from the different packages is combined in that workbench. This is known as shell sharing. Packages that are installed into different package groups do not share a workbench and are kept separate from each other. When you have finished making your selections, click **Next**.
    - To create a new package group for IBM Explorer for z/OS, click **Create a new package group**, and click **Next**.

**Note:** If you are installing on a 64-bit operating system, you can choose whether to create a 32-bit or 64-bit package group by selecting the corresponding radio button below the **Installation Directory** field. If you select the 32-bit package group, the installed packages run in 32-bit mode. You cannot change the bit mode of an existing package group after it has been created. Some software packages may support only 32-bit or 64-bit modes and can only be installed into a package group configured for the same architecture.

- To install z/OS Explorer into an existing package group, click **Use an existing package group**. Then, select the package group into which to install z/OS Explorer. Click **Next**. If the selected package group is not compatible with z/OS Explorer, you are prompted to select a compatible package group or to create a new package group.
11. On the **Features** panel, under **Translations**, select the languages to install for this package group. The user interface and documentation for z/OS Explorer is installed in that language.

**Notes:**

- Your choices apply to all of the packages that are installed in this package group.

- In this release of z/OS Explorer, selecting any of the available languages results in the national language translations for all of the languages being installed.
12. On the **Features** panel, select the features to install, and click **Next**.
  13. On the **Summary** panel, click **Install**.
  14. Click **Finish**.

## Installing z/OS Explorer from scratch by using the Installation Manager

If you start from scratch, install z/OS Explorer by downloading the IM installer for z/OS Explorer.

For a first-time user, install the z/OS Explorer by taking the following steps:

1. Based on your operating system, download the appropriate IM installer for z/OS Explorer from Mainframe DevOps Downloads.
2. Unzip the IM installer.
3. Run the IM installer. You can run the IM installer as a user install or an administrator install. The administrator install uses a common area that will be available to all users of the PC and requires administrator permissions. The user install uses the home directory of the current user. The administrator install is less common because it is safer to not grant administrator permissions to the installer.
  - To run as a user install:
    - For Windows users, double-click the `imLauncherWindowsUser.bat` file.
    - For Linux users, double-click the `imLauncherLinuxUser.sh` file.
    - For OS X users, double-click the `InstallerImage_macosx_cocoa_x86_64/Userinst.app`.
  - To run as an administrator install:
    - For Windows users, double-click the `imLauncherWindows.bat` file.
    - For Linux users, double-click the `imLauncherLinux.sh` file.
    - For OS X users, execute the `imLauncherMac.sh` file via terminal or double-click the `InstallerImage_macosx_cocoa_x86_64/Install.app`.
4. Select all available installation packages within IM installer for installation.

## Deploying z/OS Explorer to users without internet access

You can deploy z/OS Explorer to your users without internet access if you installed z/OS Explorer through the IBM Installation Manager.

To deploy z/OS Explorer through Installation Manager without internet access and control versions of software are available to your users, take the following steps:

1. Install Installation Manager on the desktop.
2. Install IBM Package Utility.
  - a. Based on your operating system, download the latest IBM Package Utility from Installation Manager and Packaging Utility download links.
  - b. Install the IBM Package Utility by following the wizard.
  - c. Launch the IBM Package Utility and select **Copy Packages** to get software content from the public IBM site to your own internal site.
  - d. Click **Open Repository**, and enter the update site URL. The URL for z/OS Explorer V3.0 (Eclipse 4.4 Luna) is `http://public.dhe.ibm.com/ibmdl/`

export/pub/software/http/zos/tools/aqua/. The URL for z/OS Explorer V3.1 (Eclipse 4.6 Neon) is `http://public.dhe.ibm.com/ibmdl/export/pub/software/http/zos/tools/aqua3.1`.

**Note:** You must include `http://`.

- e. From the list of software that is displayed, select the software that you want to copy, and click **Next**.

**Note:** You can install and use the software if you have a license for the product. For example, you can install and use CICS Explorer® if you have a license for CICS®.

- f. Enter the target repository which is a file location. The target repository can either be a new location to be created, or an existing repository location.
- g. Click **Next** to confirm your selections.
- h. Click the button **Copy** to start copying the contents from the IBM update site to the internal repository.

**Note:** You can pause and resume the copy process.

3. After you install IBM Packaging Utility, go to the Installation Manager and click **File > Preferences > Add Repository**, and add the directory of the file `repository.config` that is included in your internal repository. The file `repository.config` contains the XML content that describes the repository contents.
4. Click the button **Install** in the Installation Manager and select the tools that you want to install. You can use the button **Update** to update the tools.

After you complete these steps, distribute the software in your internal repository to users in an enterprise.

## Silent installation

### About this task

You can install z/OS Explorer in silent mode. When you run Installation Manager in silent mode, its user interface is not available; instead, you use a response file to supply the commands required to install the package.

Running Installation Manager in silent mode is helpful because you can use a batch process to install, update, modify, and uninstall packages through scripts.

These are the three main tasks for silent installation:

1. If you are planning to install silently on multiple systems, copy the installation image to a location on a shared drive or server.
2. Create the response file.
3. Run Installation Manager in silent installation mode.

The following sections explain the task of copying the installation image to a shared drive or server. For the most current information about the remaining tasks (creating response files and running Installation Manager in silent mode to install the package), see the *Managing packages in silent mode with Installation Manager*.

The *Working in silent mode* topic provides detailed information about these topics.

Other installation options such as group installation and a full list of the installation locations for each operating system are described in *Installing as an administrator, nonadministrator, or group* in the IBM Installation Manager Knowledge Center.

If you plan deployment to many systems at one time, see *Using IBM Installation Manager for Enterprise Deployment*.

For further information about Installation Manager installation, see *Deploying IBM z/OS Explorer Aqua using IBM Installation Manager*.

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## Installing z/OS Explorer by using Eclipse p2

Eclipse p2 is a component of the Eclipse Equinox project that provides a provisioning platform for Eclipse-based applications. You can use the Eclipse p2 update site to install z/OS Explorer from an existing Eclipse application or from scratch.

### Installing z/OS Explorer from an existing Eclipse application by using Eclipse p2

#### About this task

In this scenario, you can install z/OS Explorer by using an existing Eclipse application.

#### Procedure

1. Start an Eclipse application. If you do not have one, download Eclipse Neon from the Eclipse.org, and extract the compressed file to a local drive on your computer.
2. Click **Help > Install New Software**.
3. Click **Add**, add the z/OS Explorer Eclipse p2 update site. The URL for z/OS Explorer V3.0 (Eclipse 4.4 Luna) is <http://public.dhe.ibm.com/ibmdl/export/pub/software/http/zos/tools/aqua/>. The URL for z/OS Explorer V3.1 (Eclipse 4.6 Neon) is <http://public.dhe.ibm.com/ibmdl/export/pub/software/http/zos/tools/aqua3.1>.
4. Select the features that you want to install, and click **Next**.
5. Follow the wizard until the product is installed.
6. Select **Restart Now** when prompted to ensure the z/OS Explorer features are installed and validated by Eclipse.

### Installing z/OS Explorer from scratch by using Eclipse p2

If you start from scratch, install z/OS Explorer by downloading the Eclipse package for z/OS Explorer.

For a first-time user, install the z/OS Explorer by taking the following steps:

1. Based on your operating system, download the appropriate Eclipse package for z/OS Explorer from Mainframe DevOps Downloads.
2. Extract the package and start using z/OS Explorer.
3. To install features from the Eclipse composite update site for z/OS Explorer, take the following steps:
  - a. Click **Help > Install New Software > Add**.

- b. Enter the Eclipse p2 update site. The URL for z/OS Explorer V3.0 (Eclipse 4.4 Luna) is `http://public.dhe.ibm.com/ibmdl/export/pub/software/htp/zos/tools/aqua/`. The URL for z/OS Explorer V3.1 (Eclipse 4.6 Neon) is `http://public.dhe.ibm.com/ibmdl/export/pub/software/htp/zos/tools/aqua3.1`.
- c. Select all available installation packages for installation.

## Deploying z/OS Explorer to users without internet access

You can deploy z/OS Explorer for other users without internet access. And you can also create a staging area between their users and the IBM site.

To get the tools in the update site and distribute the tools locally within your organization to download and use, take the following steps:

1. Download the latest package from Mainframe DevOps Downloads.
2. Start your Eclipse after the download, and click **Help > Install New Software**.
3. Select **Add** to open the Add Repository dialog.
4. Select **Archive** on the Add Repository dialog to navigate to where you downloaded the package.

**Note:** Select the button **Archive** instead of **Local**, because the package you download is a zip archive. The button **Local** is used for pointing at a folder that has the software.

5. To point to the package downloaded quickly, type the location directly by using the format `jar:/file:{path/aqua.n.update.site-yyyyymmdd.zip}!/,` for example, `jar:file:/C:/temp/aqua.n.update.site.-20160510.zip!/`.
6. Select the tools that you want to install from the list of update site contents.
7. Follow the instructions that are provided to complete the installation.

---

## Chapter 4. Starting z/OS Explorer

Select the right method to start z/OS Explorer based on your operating system.

### Starting z/OS Explorer on Windows

You can start z/OS Explorer in one of the following ways:

- If you installed z/OS Explorer by using IBM Installation Manager, go to the **Windows Start** menu and select **Start > All Programs > IBM Software Delivery Platform > IBM Explorer for z/OS**, or run *eclipse.exe* from the product installation directory.
- If you installed z/OS Explorer on an existing Eclipse instance by using Eclipse p2 update, run *eclipse.exe* from the product installation directory.
- If you downloaded the full z/OS Explorer package for Eclipse, run *zosexplorer.exe* from the product installation directory.

### Starting z/OS Explorer on Linux

You can start z/OS Explorer in one of the following ways:

- If you installed z/OS Explorer by using IBM Installation Manager, go to the **Applications** menu and select **Applications > IBM Software Delivery Platform > IBM Explorer for z/OS**, or run *eclipse* from the product installation directory.
- If you installed z/OS Explorer on an existing Eclipse instance by using Eclipse p2 update, run *eclipse* from the product installation directory.
- If you downloaded the full z/OS Explorer package for Eclipse, run *zosexplorer* from the product installation directory.

### Starting z/OS Explorer on Mac

You can start z/OS Explorer in one of the following ways:

- If you installed z/OS Explorer by using IBM Installation Manager or the full z/OS Explorer package, go to the **Applications** menu and select **Applications > IBM > zOS\_Explorer > IBM Explorer for z/OS**, or run *IBM Explorer for zOS* from the product installation directory.
- If you installed z/OS Explorer on an existing Eclipse instance by using Eclipse p2 update, run *IBM Explorer for zOS* from the product installation directory.



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## Chapter 5. Installing additional software

After you install z/OS Explorer, you can use the facilities provided by the Eclipse platform to update your z/OS Explorer or other compatible product software, for example CICS Explorer, or add new software plug-ins, for example CICS tools.

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### Updating and installing software

You can use the facilities provided by the Eclipse platform to update your z/OS Explorer or other compatible product software, for example CICS Explorer, or add new software plug-ins, for example CICS tools.

For z/OS Explorer Version 2.1 and later, you can use the composite update site to keep up to date with new versions of z/OS Explorer and to add new tools and plug-ins to your z/OS Explorer environment. For more information, see “Using the composite update site.”

The update site for the z/OS Explorer Explorer is already coded in the product. You can see the site address on the Installed Software page in the Software Updates window.

If you choose not to use the composite update site, you need to specify the address of your preferred update site, either on your local machine or a remote location. You can add multiple update sites, each containing one or more software downloads.

### Using the composite update site

You can use the composite update site to update your z/OS Explorer or other compatible product software, or add new software plug-ins such as additional tools.

For z/OS Explorer Version 2.1 and later, you can use the composite update site, which simplifies the installation of updates to z/OS Explorer software plug-ins. When a composite update site is present and you click **Help > Install New Software**, software plug-ins for additional tools are listed as well as z/OS Explorer.

The update site for z/OS Explorer is already coded in the product. You can see the site address in the Available Software Sites pane on the Preferences window.

If you are using the z/OS Explorer SDK and you installed the SDK by using the composite update site, you can click **Help > Check for Updates** to check for new versions of the z/OS Explorer and any tools you have installed. If you installed the SDK by downloading the compressed file, the composite update site is not available.

The URLs of composite update sites include the version number of z/OS Explorer or other compatible product software that they relate to. For example, if the composite update site URL contains the version number 5.1, you will receive any modification and fix updates for Version 5 Release 1 of the product, but not any new releases or versions. Eclipse, and therefore z/OS Explorer or other compatible product software, always offers the latest available version when you check for updates. If you choose to not accept an update, you will NOT be notified if a new

fix level (for instance 5.1.0.1) becomes available. For example, if you have version 5.1.0.0 and are offered a modification level update to version 5.1.1.0 but decline it, you will NOT be notified if fix level 5.1.0.1 becomes available.

You are always offered the very latest code that is available in the whole composite update site. If you declined a new fix level, you must check manually whether any new updates are available. Click **Help > Install New Software** and remove the option that selects only the latest versions of software. You will receive all updates to any tools you have installed (such as IBM CICS Configuration Manager) that are compatible with the version of z/OS Explorer that the composite update site relates to. Review the version numbers before upgrading a component.

If you want to control the updates that end users can move to for both z/OS Explorer and plug-ins, you need to remove the composite update site from z/OS Explorer and select another site manually. For more information, see “Adding a new software update site.”

## Adding a new software update site

Before you can install new software plug-ins, you must specify the address of the update site, or sites, where the software is located. The sites can be at a remote address, or in a folder on a local machine.

### Before you begin

You must know the web site address (URL) or local file system location of the update site that you want to add.

### Procedure

1. Use the appropriate method to open the Preferences window:
  - Windows or Linux: Click **Window > Preferences** on the workbench menu bar.
  - OS X: Click **IBM Explorer for z/OS > Preferences** on the main menu.
2. In the Preferences window, expand **Install/Update**, then click **Available Software Sites**.
3. In the Available Software Sites pane, click **Add**.
4. In the Add Site window, specify the location of the update site in one of the following ways:
  - If the update site is located on the web, type the website address (URL) of the site into the **Location** field. Alternatively, paste or drag and drop a URL from a web browser.
  - If the update site is in your local file system, including a CD, click **Local** and select the directory location of the site.
  - If the update site is in your local file system but is packaged as a .jar or .zip file, click **Archive** to locate and select the name of the file.
5. Click **OK**.

### Results

The update site is added to the list of available software and the site is checked to find available software at that site. The progress icon in the workbench is displayed while the update site is being checked. Do not click the site URL while the process is continuing, because an error might be displayed, although the process will continue. When the progress icon goes, the process is complete.

If no software is found at the site, an error is displayed. Remove the site and add a valid site.

When you install new software and you select the new software update site in the Available Software pane in the Install window, the new software found is displayed in a tree format. For more information about installing software updates, see the related links.

**Related tasks:**

“Checking for, and installing, software updates”

You can check for software updates for z/OS Explorer, other compatible product software, or installed plug-ins, then use a wizard to install any updates.

“Removing an existing software update site” on page 17

You can remove software update sites from the list of available software by using the Available Software Sites pane in the Preferences window.

“Importing a list of software update sites” on page 20

You can import a list of software update sites that have been exported previously by using the Available Software Sites pane in the Preferences window.

“Exporting a list of software update sites” on page 21

You can export one or more update sites to a file by using the Available Software Sites pane in the Preferences window. The file can then be imported into another instance of the product.

“Select or deselect software sites to check for available software” on page 22

You can select or deselect one or more update sites in z/OS Explorer to use for updating software, using the Available Software Sites dialog.

## Checking for, and installing, software updates

You can check for software updates for z/OS Explorer, other compatible product software, or installed plug-ins, then use a wizard to install any updates.

### About this task

To check for software updates, you use the Installed Software tab of the Installation Details window. To install software updates, you use the Available Updates wizard.

### Procedure

1. Click **Help > Install New Software** on the workbench menu.
2. In the Install window, click the **What is already installed** link. The Installation Details window is displayed. The Installed Software tab lists the plug-ins that are currently installed.
3. Select the items for which you want to check for software updates from the list on the Installed Software tab.
4. Click **Update**. If updates are available, they are displayed in the Available Updates wizard.
5. In the Available Updates wizard, select the software items to update. You can select one or more items to install. Each time you select an item, the compatibility of the checked items is compared with your current system. If the selection is not compatible, an error message is displayed and you cannot update the software. You must select other items to find a compatible selection.
6. If the selected items have license agreements to be reviewed, click **Next**. Carefully review the license agreements for the updated items. If the terms of

all these licenses are acceptable, check **I accept the terms in the license agreements**. Do not proceed to download the items if the license terms are not acceptable.

7. If the license agreements are acceptable, or if the selected items did not have license agreements to review, click **Finish**. The download and installation of the updates begins.
8. Some items might be digitally signed by the company that provides them. You can use the digital signature to verify more easily that the features and plug-ins that are about to be downloaded and installed are coming from a trusted supplier. You might be prompted to verify digitally signed content once the signature is detected.  
**Attention:** Because of the possibility of harmful or even malicious software, download only software from parties that you trust.
9. When all the software is downloaded successfully and the necessary files installed into the product, you are prompted to restart z/OS Explorer. Click **Yes** when asked to exit and restart the workbench for the changes to take effect.

## Results

z/OS Explorer restarts with the latest updates installed.

### Related tasks:

“Adding a new software update site” on page 14

Before you can install new software plug-ins, you must specify the address of the update site, or sites, where the software is located. The sites can be at a remote address, or in a folder on a local machine.

“Removing an existing software update site” on page 17

You can remove software update sites from the list of available software by using the Available Software Sites pane in the Preferences window.

“Importing a list of software update sites” on page 20

You can import a list of software update sites that have been exported previously by using the Available Software Sites pane in the Preferences window.

“Exporting a list of software update sites” on page 21

You can export one or more update sites to a file by using the Available Software Sites pane in the Preferences window. The file can then be imported into another instance of the product.

“Select or deselect software sites to check for available software” on page 22

You can select or deselect one or more update sites in z/OS Explorer to use for updating software, using the Available Software Sites dialog.

## Enabling automatic updates

You can specify that enhancements and fixes are downloaded automatically as they become available by using the Automatic Updates pane on the Preferences window.

### Procedure

1. Use the appropriate method to open the Preferences window:
  - Windows or Linux: Click **Window > Preferences** on the workbench menu bar.
  - OS X: Click **IBM Explorer for z/OS > Preferences** on the main menu.
2. In the Preferences window, expand Install/Update and click **Automatic Updates**.

3. In the Automatic Updates pane, select **Automatically find new updates and notify me** to enable automatic updates. You can then select options in the following sections:
  - Update schedule: Choose when to look for updates.
  - Download options: When updates are available, choose whether to receive notifications only, or to download updates automatically and receive notifications.
  - When updates are found: Choose when to be notified about new updates.
4. Click **Apply** or **OK**.

## Results

z/OS Explorer automatically checks for updates at the selected time, and downloads the updates, or notifies you, depending on the options selected. You can turn off automatic updates at any time by opening the Automatic Updates pane and clearing the **Automatically find new updates and notify me** check box.

## Removing an existing software update site

You can remove software update sites from the list of available software by using the Available Software Sites pane in the Preferences window.

### Procedure

1. Use the appropriate method to open the Preferences window:
  - Windows or Linux: Click **Window > Preferences** on the workbench menu bar.
  - OS X: Click **IBM Explorer for z/OS > Preferences** on the main menu.
2. In the Preferences window, expand **Install/Update** and click **Available Software Sites**.
3. In the Available Software Sites pane, click and highlight the existing software update site that you want to remove. You can use Ctrl+click (cmd+click for OS X) or Shift+click to select more than one site.

**Note:** Do not use the check boxes to select the required software update site. Any check box selections on this pane are ignored for this action.

4. Click **Remove**.
5. Click **OK**.

## Results

The site is removed from the list of available sites.

### Related tasks:

“Adding a new software update site” on page 14

Before you can install new software plug-ins, you must specify the address of the update site, or sites, where the software is located. The sites can be at a remote address, or in a folder on a local machine.

“Checking for, and installing, software updates” on page 15

You can check for software updates for z/OS Explorer, other compatible product software, or installed plug-ins, then use a wizard to install any updates.

“Importing a list of software update sites” on page 20

You can import a list of software update sites that have been exported previously by using the Available Software Sites pane in the Preferences window.

“Exporting a list of software update sites” on page 21

You can export one or more update sites to a file by using the Available Software Sites pane in the Preferences window. The file can then be imported into another instance of the product.

“Select or deselect software sites to check for available software” on page 22

You can select or deselect one or more update sites in z/OS Explorer to use for updating software, using the Available Software Sites dialog.

## Removing an installed software plug-in

You can uninstall and remove an existing plug-in by using the Installation Details window.

### Before you begin

Before you uninstall a plug-in, you must close all perspectives associated with the plug-in. Failure to do so might cause an error and you might have to reinstall z/OS Explorer.

### Procedure

1. Click **Help > Install New Software** on the workbench menu. The Install window opens.
2. In the Install window, click the **What is already installed** link. The Installation Details window opens. The Installed Software tab shows a list of the software installed.
3. Select the software that you want to uninstall. Click **Uninstall**.
4. In the Uninstall window, click **Finish**. A progress bar is displayed in the workbench status bar until the process completes.
5. When you are prompted to restart z/OS Explorer, click **Yes**.

### Results

The software plug-in is uninstalled from z/OS Explorer and removed from the list of installed software. z/OS Explorer restarts to complete the action.

#### Related tasks:

“Adding a new software update site” on page 14

Before you can install new software plug-ins, you must specify the address of the update site, or sites, where the software is located. The sites can be at a remote address, or in a folder on a local machine.

“Checking for, and installing, software updates” on page 15

You can check for software updates for z/OS Explorer, other compatible product software, or installed plug-ins, then use a wizard to install any updates.

“Importing a list of software update sites” on page 20

You can import a list of software update sites that have been exported previously by using the Available Software Sites pane in the Preferences window.

“Exporting a list of software update sites” on page 21

You can export one or more update sites to a file by using the Available Software Sites pane in the Preferences window. The file can then be imported into another instance of the product.

“Select or deselect software sites to check for available software” on page 22

You can select or deselect one or more update sites in z/OS Explorer to use for updating software, using the Available Software Sites dialog.

## Reverting to a previous installation configuration

As you install, upgrade, and uninstall software in z/OS Explorer, configuration snapshots are kept in a history. You can revert to a previous configuration to back out the results of an unsuccessful installation, upgrade, or uninstall. You can also revert z/OS Explorer to a previous version. However, you must have access to an update site because when you upgrade the z/OS Explorer product, previous versions are not saved.

### Before you begin

If you used IBM Installation Manager to install, upgrade, or uninstall software in z/OS Explorer, you can revert to a previous version by using the rollback feature, and you do not need to use the following procedure.

**Important:** It is a limitation of Eclipse that before you can revert to a previous version of z/OS Explorer, you must have access to an update site that includes the required version.

To download the update site, use the following steps:

1. For the **Product Group** field, select Other Software and for **Product**, select IBM Explorer for z/OS. For the **Installed Version** and **Platform** fields, select All, then click **Continue**.
2. Select **Browse for fixes** and click **Continue**.
3. Select the update site at the level you want to revert to and click **Continue**.
4. Download the update site to your workstation. Do not uncompress the file. z/OS Explorer requires a compressed file.
5. In z/OS Explorer, add the update site by using **Help > Software Updates** on the workbench menu. For more information, see “Adding a new software update site” on page 14.

You can now revert z/OS Explorer to the required level.

### About this task

This example task shows you how to revert z/OS Explorer to a previous configuration.

### Procedure

1. Click **Help > Install New Software** on the workbench menu. The Install window opens.
2. Click the **What is already installed** link. The Installation Details window opens. The Installation History tab shows a list of the previous configurations.
3. Select the configuration that you want to revert to. When you select a configuration, another pane shows the content in that configuration.  
**Attention:** The oldest entry in the list of previous configurations represents the initial z/OS Explorer installation. This configuration has no contents. **Do not revert to this configuration.** If you do, z/OS Explorer fails and must be completely reinstalled.
4. Click **Revert**. The Revert Software Configuration confirmation dialog is displayed.
5. Click **Yes** to confirm, and when asked to exit and restart the workbench for the changes to take effect.

## Results

z/OS Explorer reverts to the selected configuration and restarts.

### Related tasks:

“Adding a new software update site” on page 14

Before you can install new software plug-ins, you must specify the address of the update site, or sites, where the software is located. The sites can be at a remote address, or in a folder on a local machine.

“Checking for, and installing, software updates” on page 15

You can check for software updates for z/OS Explorer, other compatible product software, or installed plug-ins, then use a wizard to install any updates.

“Removing an existing software update site” on page 17

You can remove software update sites from the list of available software by using the Available Software Sites pane in the Preferences window.

“Importing a list of software update sites”

You can import a list of software update sites that have been exported previously by using the Available Software Sites pane in the Preferences window.

“Exporting a list of software update sites” on page 21

You can export one or more update sites to a file by using the Available Software Sites pane in the Preferences window. The file can then be imported into another instance of the product.

“Select or deselect software sites to check for available software” on page 22

You can select or deselect one or more update sites in z/OS Explorer to use for updating software, using the Available Software Sites dialog.

## Importing a list of software update sites

You can import a list of software update sites that have been exported previously by using the Available Software Sites pane in the Preferences window.

### Procedure

1. Use the appropriate method to open the Preferences window:
  - Windows or Linux: Click **Window** > **Preferences** on the workbench menu bar.
  - OS X: Click **IBM Explorer for z/OS** > **Preferences** on the main menu.
2. In the Preferences window, expand **Install/Update** and click **Available Software Sites**.
3. In the Available Software Sites pane, click **Import**.
4. In the Import Sites window, locate and select the file that contains the list of exported update sites, and click **Open**.

### Results

The update sites in the file are imported into the product and are added to the list in the Available Software Sites pane.

### Related tasks:

“Adding a new software update site” on page 14

Before you can install new software plug-ins, you must specify the address of the update site, or sites, where the software is located. The sites can be at a remote address, or in a folder on a local machine.

“Checking for, and installing, software updates” on page 15

You can check for software updates for z/OS Explorer, other compatible product

software, or installed plug-ins, then use a wizard to install any updates.

“Removing an existing software update site” on page 17

You can remove software update sites from the list of available software by using the Available Software Sites pane in the Preferences window.

“Exporting a list of software update sites”

You can export one or more update sites to a file by using the Available Software Sites pane in the Preferences window. The file can then be imported into another instance of the product.

“Select or deselect software sites to check for available software” on page 22

You can select or deselect one or more update sites in z/OS Explorer to use for updating software, using the Available Software Sites dialog.

## Exporting a list of software update sites

You can export one or more update sites to a file by using the Available Software Sites pane in the Preferences window. The file can then be imported into another instance of the product.

### Procedure

1. Use the appropriate method to open the Preferences window:
  - Windows or Linux: Click **Window > Preferences** on the workbench menu bar.
  - OS X: Click **IBM Explorer for z/OS > Preferences** on the main menu.
2. In the Preferences window, expand **Install/Update** and click **Available Software Sites**.
3. In the Available Software Sites pane, click and highlight one or more software update sites that you want to export. You can use Ctrl+click (cmd+click for OS X) or Shift+click to select more than one site.

**Note:** Do not use the check boxes to select the required software update sites. Any check box selections on this pane are ignored for this action.

4. Click **Export**.
5. In the Export Sites dialog, select a destination for the exported file. You can provide a new file name or keep the default name.
6. Click **Save**.

### Results

Details of the selected sites are exported to your local file system.

#### Related tasks:

“Adding a new software update site” on page 14

Before you can install new software plug-ins, you must specify the address of the update site, or sites, where the software is located. The sites can be at a remote address, or in a folder on a local machine.

“Checking for, and installing, software updates” on page 15

You can check for software updates for z/OS Explorer, other compatible product software, or installed plug-ins, then use a wizard to install any updates.

“Removing an existing software update site” on page 17

You can remove software update sites from the list of available software by using the Available Software Sites pane in the Preferences window.

“Importing a list of software update sites” on page 20

You can import a list of software update sites that have been exported previously

by using the Available Software Sites pane in the Preferences window.

“Select or deselect software sites to check for available software”

You can select or deselect one or more update sites in z/OS Explorer to use for updating software, using the Available Software Sites dialog.

## Select or deselect software sites to check for available software

You can select or deselect one or more update sites in z/OS Explorer to use for updating software, using the Available Software Sites dialog.

### About this task

This example task shows you how to use the Available Software Sites dialog to select or deselect sites to check for available software updates. All sites registered in z/OS Explorer are shown in the list in the Available Software Sites dialog.

### Procedure

1. Click **Help > Install New Software** on the menu bar. The Install window opens.
2. Click the **What is already installed** link. The Installation Details window opens. The Installed Software tab shows a list of the installed software.
3. In the Installation Details window, select or deselect software to check for updates.
4. Click **Update**. z/OS Explorer searches the update site for a newer version of the code. Note that the update site must be defined in the Preferences page. See the related links for information on adding a new software update site.

### Results

The sites selected are displayed in the Available Software page. The sites are the only ones that are checked for software updates.

#### Related tasks:

“Adding a new software update site” on page 14

Before you can install new software plug-ins, you must specify the address of the update site, or sites, where the software is located. The sites can be at a remote address, or in a folder on a local machine.

“Checking for, and installing, software updates” on page 15

You can check for software updates for z/OS Explorer, other compatible product software, or installed plug-ins, then use a wizard to install any updates.

“Removing an existing software update site” on page 17

You can remove software update sites from the list of available software by using the Available Software Sites pane in the Preferences window.

“Importing a list of software update sites” on page 20

You can import a list of software update sites that have been exported previously by using the Available Software Sites pane in the Preferences window.

“Exporting a list of software update sites” on page 21

You can export one or more update sites to a file by using the Available Software Sites pane in the Preferences window. The file can then be imported into another instance of the product.

---

## Chapter 6. Updating z/OS Explorer

You can update the z/OS Explorer with Installation Manager or p2. To download the latest version and fix pack of z/OS Explorer, visit Mainframe DevOps Downloads. For the APARs fixed and enhancements in each version and fix pack, see Fix list for IBM Explorer for z/OS.

---

### Updating z/OS Explorer by using the Installation Manager

If you have installed z/OS Explorer by using the Installation Manager, take the following steps:

1. Launch the Installation Manager.
2. Click the button **Update** and select all or none available packages in the package group to install.

**Note:** If you do not select all packages in the package group to install, the products in the same package group might not be compatible.

3. Follow the instructions that are provided.

---

### Updating z/OS Explorer by using Eclipse p2 update site

If you have installed z/OS Explorer, update it by using one of the following ways:

- Check for Updates
  1. Launch Eclipse.
  2. Click **Help > Check for Updates**.
  3. Select all or none available packages to install, and click **Next**.
  4. Review and confirm the updates, and click **Next**.
  5. Select **I accept the terms of the license agreement**, and click **Finish**.
- Automatic Update
  1. Launch Eclipse.
  2. Click **Window > Preferences > Install/Update > Automatic Updates**.
  3. Select **Automatically find new updates and notify me**, and click **OK**.



---

## Chapter 7. Installing client updates

The z/OS Explorer server can be configured to automatically download product updates to the client. When product updates are available, the client is prompted to install the updates when you connect to a remote system.

### Before you begin

If user authentication is required to access the code repository for the update, then you must save your user ID and password in IBM Installation Manager.

This type of update supports only modification-level updates. You can use push-to-client to update clients from version 3.1 to version 3.1.1, for example, but not from version 3.1 to version 4.0 and not from version 4.0 to version 4.1.

### About this task

If updates for z/OS Explorer are available, the following message is displayed when you connect to a remote system:

```
The IBM Explorer for z/OS server has been configured to automatically
download product updates to the client when you connect to the remote
system. Current Product Version shows the product version currently
installed on your workstation. A new version will be installed when you
click OK.
```

*offeringName*

Current Product Version: *currentVersionnumber*

The *offeringName* is the product offering name as identified in IBM Installation Manager.

If the server is configured to support product and configuration groups, this message might be preceded by a Choose Product Group window that prompts you to select a product group for updating the client.

### Procedure

To install available product updates:

1. If you are prompted to choose a product group, select one from the Choose Product Group window. You can download configurations from the default group or from the group that is associated with this workspace. If you must access and download product updates from another product group, you must connect by using a different workspace. For more information about creating a workspace, see Switching workspaces. A window opens prompting you to install product updates.
2. The z/OS Explorer server can be configured to allow or disallow you to refuse product updates:
  - If the server allows you to refuse product updates, you can click **Cancel** to close the message without installing the product update. You are prompted again to update the product the next time you connect to the remote system.

- If the server disallows you to refuse product updates, then no **Cancel** button is displayed on the message window. You must click **OK** to continue with the product update. The workbench shuts down and IBM Installation Manager is started to install the product updates.

---

## Chapter 8. Uninstalling z/OS Explorer

### About this task

The **Uninstall** option in the Installation Manager can be used to uninstall packages that were previously installed using Installation Manager.

To uninstall the packages, you must log in to the system using the same user account that you used to install the packages.

### Procedure

1. Close all of the programs that you installed using Installation Manager.
2. From the main panel of Installation Manager, click **Uninstall**.
3. On the **Uninstall Packages** panel, select the packages to uninstall. Click **Next**.
4. On the **Summary** panel, review the packages you selected to uninstall. To make any changes, click **Back**. To begin the uninstallation process, click **Uninstall**.
5. The **Complete** panel is displayed after the uninstallation finishes and shows the results. Click **Finish**.



---

## Chapter 9. IBM Installation Manager

IBM Installation Manager is a program that installs z/OS Explorer and other packages on your workstation. It also updates, modifies, and uninstalls these and other packages that you install. A package can be a product, a group of components, or a single component that is designed to be installed with the Installation Manager.

For the most current information about the IBM Installation Manager, see the Installation Manager product documentation.

Installation Manager is an installation management tool that has several time-saving features. It helps you install, update, modify, and uninstall product packages on your computer. It keeps track of what you are about to install, as well as what you have already installed and what is available for you to install. It searches for updates so that you know that you are installing the latest version of a package. It also provides tools for managing licenses for the packages it installs, and for updating and modifying packages.

For information about how to deploy z/OS Explorer to many users, see the information available in the Enterprise installation articles section of the Installation Manager product documentation.

Use the six wizards in Installation Manager to maintain a package through its lifecycle, as follows:

- The Install wizard walks you through the installation process. You can install a package by accepting the defaults, or you can change the default settings to customize an installation. Before you install a package, you see a summary of your selections throughout the wizard. Using the wizard, you can install one or more packages at one time.
- The Update wizard searches for available updates to packages that you have installed. An update might be a released fix, a new feature, or a new version of the product. Details of the contents of the update are provided in the wizard. You can decide whether to apply an update.
- With the Modify wizard, you can change certain elements of a package that you have installed. During the first installation of the package, you select the features to install. If you require other features later, you can use the Modify wizard to add the features. You can also remove features.
- The Manage Licenses wizard helps you set up the licenses for your packages. Use this wizard to change a trial license to a full license, to set up the servers for floating licenses, and to select the type of license to use for each package.
- The Import wizard adds packages that were installed by using installation tools other than Installation Manager to the list of installed packages.

Installation Manager tracks the products that it installs, including selectable features and maintenance updates for products. Earlier versions of some products that can be installed with Installation Manager might have been installed with different installation technology. Installation Manager must import information about existing installations of these products before Installation Manager can modify and update the products.

**Note:** This wizard is available only after Installation Manager detects a package in a repository that requires this feature.

- The Roll Back wizard enables you to revert to a previous version of a package.
- The Uninstall wizard removes a package from your computer. You can uninstall more than one package at a time.

---

## Installing Installation Manager

### About this task

IBM Installation Manager is typically installed automatically as part of the z/OS Explorer installation process.

If you need to install IBM Installation Manager by itself, without installing z/OS Explorer, download the Installation Manager from Installation Manager downloads.

1. Change to the directory of the Installation Manager that you installed.
2. To install as administrator for all of the users on the system, run the following command:

**Windows**

```
install.exe
```

**Linux**

```
install
```

To install as a non-administrator for the current user only, run the following command:

**Windows**

```
userinst.exe
```

**Linux**

```
userinst
```

3. On the first page of the Install Packages wizard, click **Check for Other Versions and Extensions** to install the latest available version. If a newer version is available, it is automatically selected for installation. Click **Next**.
4. On the Licenses page, read the license agreements for IBM Installation Manager. If you agree to the terms of all of the license agreements, click **I accept the terms in the license agreements** and then click **Next**.
5. On the Location page, in the **Installation Manager Directory** field, type the path for the directory where Installation Manager must be installed or accept the default path. Then click **Next**.
6. On the Summary page, review your choices before starting the installation process. To change your selections, click **Back** to return to the previous pages. When you are satisfied with your selections, click **Install**.

---

## Starting Installation Manager

### About this task

IBM Installation Manager is installed and started automatically when you start the z/OS Explorer installation.

If you need to start Installation Manager manually to update, modify, roll back, or uninstall packages following the installation, do these steps:

#### Windows

1. Open the **Start** menu from the Taskbar.
2.
  - For an administrator installation, click **All Programs > IBM Installation Manager > IBM Installation Manager**.
  - For a non-administrator installation, click **All Programs > My IBM Installation Manager > IBM Installation Manager**

#### Linux

1. Open a terminal window.
2. Go to the *Installation Manager install directory/eclipse* directory.
3. Run this command: `./IBMIM`

---

## Uninstalling Installation Manager

### About this task

**Note:** You cannot uninstall IBM Installation Manager until all of the packages have been uninstalled.

#### Windows

The IBM Installation Manager must be uninstalled using the Add or Remove Programs panel.

1. Open the **Start** menu from the Taskbar.
2. Select **Control Panel > Add or Remove Programs > IBM Installation Manager**.
3. Click **Remove** and follow the on-screen instructions.

#### Linux

Do these steps to uninstall Installation Manager:

1. Open a terminal window.
2. Run the following command: `/var/ibm/InstallationManager/uninstall/uninstall`.

---

## Using Installation Manager

### Installation repositories

Installable offerings, or packages, are stored in locations called repositories, which can be on an HTTP web server, shared network drive, physical discs, or a local workstation. Installation Manager retrieves packages from these repositories to install them on your system.

Anytime you start Installation Manager manually from the Windows **Start** menu, you must specify the repositories that contain the packages to be installed. Enter the repository details in the Installation Manager repository preferences so that

Installation Manager knows where to look for them. For more details, see “Setting repository preferences in Installation Manager.”

Some organizations might bundle and host their own product packages within their intranet. For this type of business case scenario, see Installing from a repository on an HTTP server. Your system administrators must provide you with the correct URL.

By default, IBM Installation Manager uses an embedded URL in each package that you install to connect to a repository server through the Internet and search for installable packages, such as service updates and new features.

## Setting repository preferences in Installation Manager

### About this task

If you start Installation Manager manually from the Windows **Start** menu, for example to install packages from a repository located on a Web server, you must add the repository location in the Installation Manager preferences before you can install the package. Adding the repository locations is done on the Repositories panel of the Preferences window in Installation Manager. By default, Installation Manager uses an embedded URL in each Rational® software development product to connect to a repository server through the Internet and search for installable packages, updates, and new features. Your organization could require you to redirect the repository to use intranet sites.

**Note:** Before starting the installation process, be sure to obtain the installation package repository URL from your administrator.

To add, edit, or remove a repository location in Installation Manager, do the following steps:

1. Start Installation Manager.
2. On the Start page of Installation Manager, click **File > Preferences**, and then click **Repositories**. The Repositories page opens, showing any available repositories, their locations, and if they are accessible.
3. On the Repositories page, click **Add Repository**.
4. On the Add repository window, enter the URL of the repository location or browse to it and enter a file path, and then click **OK**. The new or changed repository location is listed. If the repository is not accessible, a red x is displayed in the Accessible column.
5. Click **OK** to exit.

## Package groups and the shared resource directory

When you install z/OS Explorer with IBM Installation Manager, you must choose a package group and a shared resource directory.

### Package groups

During the installation process, you must specify a package group for z/OS Explorer and any other bundled offerings you are installing. A package group represents a directory in which the packages share resources with other packages in the same group. This is known as shell sharing. When you install z/OS Explorer and any bundled offerings with Installation Manager, you can create a new package group or install the packages into an existing package group. (Some packages might not be able to share a package group, in which case the option to use an existing package group is not available.)

**Note:** Under most circumstances, when you install multiple packages at the same time, all of the packages are installed into the same package group.

A package group is assigned a name automatically; however, you choose the installation directory for the package group.

After you create the package group by successfully installing a package, you cannot change the installation directory for the package group. The installation directory contains files and resources that are specific to the packages installed into that package group. Other resources in the packages that can potentially be shared by other package groups are placed in the shared resources directory.

### **Shared resources directory**

The shared resources directory is the directory where resources that can be shared by different packages, potentially in different package groups, are stored. Using a common location for these resources allows Installation Manager to install only one copy of each of these resources, thus conserving disk space, rather than installing separate copies of the same resources when they are used by multiple packages.

**Important:** You can specify the shared resources directory only once: the first time that you install a package. For best results, use the largest drive for this directory. You cannot change the directory location later unless you uninstall all of the packages.



---

## Appendix. Accessibility features for z/OS Explorer

Accessibility features assist users who have a disability, such as restricted mobility or limited vision, to use information technology content successfully.

### Overview

z/OS Explorer includes the following major accessibility features:

- Keyboard-only operation
- Operations that use a screen reader
- Color and typeface preferences

z/OS Explorer uses IBM Installation Manager to install the product. You can read about the accessibility features for IBM Installation Manager in IBM Installation Manager documentation.

z/OS Explorer uses the latest W3C Standard, WAI-ARIA 1.0, to ensure compliance with US Section 508 and Web Content Accessibility Guidelines (WCAG) 2.0. To take advantage of accessibility features, use the latest release of your screen reader and the latest web browser that is supported by z/OS Explorer.

The z/OS Explorer online product documentation in IBM Knowledge Center is enabled for accessibility. The accessibility features of IBM Knowledge Center are described in the Accessibility section of the IBM Knowledge Center help.

### Keyboard navigation

You can use keyboard shortcuts to navigate the help system and the product without using a mouse. For more information, see the *Keyboard shortcuts for the help system in the product* topic in z/OS Explorer documentation.

### Interface information

The z/OS Explorer online product documentation is available in IBM Knowledge Center, which is viewable from a standard web browser.

PDF files have limited accessibility support. With PDF documentation, you can use optional font enlargement, high-contrast display settings, and can navigate by keyboard alone.

To enable your screen reader to accurately read syntax diagrams, source code examples, and text that contains period or comma PICTURE symbols, you must set the screen reader to speak all punctuation.

### Related accessibility information

In addition to standard IBM help desk and support websites, IBM has a TTY telephone service for use by deaf or hard of hearing customers to access sales and support services:

TTY service 800-IBM-3383 (800-426-3383) (within North America)

For more information about the commitment that IBM has to accessibility, see IBM Accessibility.

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## Index

### A

accessibility features 35  
Adding a new update site 14  
additional software, Installing 13

### C

Checking for software updates 15

### D

directory, shared resource 32

### E

Enabling automatic updates 16  
Exporting update sites 21, 22

### G

groups, Package 32

### I

Importing update sites 20  
Installation Manager 29  
Installation Manager, Installing 30  
Installation Manager, Setting repository preferences in 32  
Installation Manager, Starting 30  
Installation Manager, Uninstalling 31  
Installation methods 5  
Installation repositories 31  
Installing software 13  
Installing software updates 15  
Installing, additional software 13  
Installing, Installation Manager 30  
Installing, silent 8

### M

methods, Installation 5

### P

Package groups 32  
preferences, Setting in Installation Manager 32  
Preinstallation tasks 1  
product updates  
  IBM Explorer for z/OS 25

### R

Removing an installed plug-in 18  
Removing update sites 17  
repositories, Installation 31

repository preferences, Setting in  
  Installation Manager 32  
Reverting to a previous configuration 19

### S

shared resource directory 32  
silently, Installing 8  
Software update sites 14  
software, Installing additional 13

### T

tasks, Preinstallation 1

### U

Uninstalling a plug-in 18  
Uninstalling Installation Manager 31  
Uninstalling, z/OS Explorer 27  
Updating and installing software 13  
Updating software 13, 15  
  Enabling automatic updates 16

### Z

z/OS Explorer, Uninstalling 27



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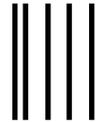
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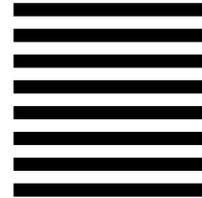
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