

IBM WebSphere eXtreme Scale for z/OS Version 7.1.1

*Customization Guide*





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# Chapter 1. Customizing WebSphere eXtreme Scale for z/OS

Using the WebSphere® Customization Toolbox, you can generate and run customized jobs to customize WebSphere eXtreme Scale for z/OS®.

## Before you begin

- Verify that your system contains the latest level of WebSphere Application Server Network Deployment:
  - If you are running Version 6.1, your system must contain fix pack 39 at a minimum. See *Installing your Version 6.1 application serving environment* for more information.
  - If you are running Version 7.0, your system must contain fix pack 19 at a minimum. See *Installing your Version 7.0 application serving environment* for more information.
- Install WebSphere eXtreme Scale for z/OS. See the WebSphere eXtreme Scale *WebSphere eXtreme Scale Program Directory* on the Library Page for more information.

## About this task

Using the WebSphere Customization Toolbox, generate customization definitions and upload and run customized jobs to customize WebSphere eXtreme Scale for z/OS. See the following topics for more information:

## Procedure

- Chapter 2, “Installing the WebSphere Customization Toolbox,” on page 3
- Chapter 3, “Generating customization definitions,” on page 5
- Chapter 4, “Uploading and running customized jobs,” on page 7



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## Chapter 2. Installing the WebSphere Customization Toolbox

Install the WebSphere Customization Toolbox Version 8.0.0.x or later to customize your WebSphere eXtreme Scale for z/OS environment.

### Before you begin

- Install WebSphere eXtreme Scale for z/OS. See the *WebSphere eXtreme Scale Program Directory* on the Library Page for more information.
- You must use the latest version of the WebSphere Customization Toolbox to successfully install the product extension files.

**Attention: 7.1.1+** You can use WebSphere Customization Toolbox Version 7.0.0.x to customize WebSphere eXtreme Scale Version 7.1.1 for z/OS, but any existing Version 7.1 profiles are rendered unusable and must be deleted and re-augmented. Therefore, it is highly recommended that you install the `xs.wct` extension file in Version 8.0.0.x of the WebSphere Customization Toolbox, and augment WebSphere eXtreme Scale Version 7.1.1 for z/OS profiles in this environment.

**Important:** If you want to use the `xs.wct` extension file in Version 8.0.0.x to install a previous version of WebSphere eXtreme Scale, such as Version 7.0 or Version 7.1, you must edit the `xs.wct` extension file to update the version number before you begin using the WebSphere Customization Toolbox.

### About this task

The WebSphere Customization Tools is a workstation-based graphical tool you use to create customized jobs that build WebSphere eXtreme Scale for z/OS runtime environments.

### Procedure

1. Use FTP to copy the `xs.wct` and `xspf.wct` extension files from your z/OS system to the workstation on which you are installing the WebSphere Customization Tools. The extension files are in the `/usr/lpp/zWebSphereXS/util/V7R1M1/WCT` directory on your z/OS system.
2. Download and install the latest version of the WebSphere Customization Toolbox.
3. Upload the `xs.wct` file to the WebSphere Customization Toolbox application.
  - a. Start the WebSphere Customization Toolbox application on your workstation.
  - b. Click **Help > Software Updates > Manage Extension**.
  - c. From the WebSphere Customization Toolbox Extension panel, click **Install**.
  - d. From the Source Archive File panel, click **Browse**, navigate to the directory in which you copied the `xs.wct` file in step 1, and click **Open**.
  - e. Click **Next** on the Source Archive panel.
  - f. Click **Next** on the Extension summary panel, and click **Finish** on the WebSphere Customization Toolbox Extension panel.
4. Upload the `xspf.wct` file to the WebSphere Customization Toolbox application.
  - a. From the WebSphere Customization Toolbox Extension panel, click **Install**.

- b. From the Source Archive File panel, click **Browse**, navigate to the directory in which you copied the xspf.wct file in step 1, and click **Open**.
- c. Click **Next** on the Summary panel.
- d. Click **Next** on the Source Archive panel.
- e. Click **Next** on the Extension summary panel, and click **Finish** on the WebSphere Customization Toolbox Extension panel.

### **What to do next**

After you upload both extension files and restart the WebSphere Customization Toolbox, you can use the Profile Management Tool to generate customization definitions for WebSphere eXtreme Scale for z/OS. See Chapter 3, “Generating customization definitions,” on page 5 for more information.



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## Chapter 3. Generating customization definitions

Use the Profile Management Tool function within the WebSphere Customization Toolbox to generate customization definitions and create customized jobs for WebSphere eXtreme Scale for z/OS.

### Before you begin

- Install and configure WebSphere Application Server for z/OS.
- Install and configure WebSphere eXtreme Scale for z/OS. See the *WebSphere eXtreme Scale Program Directory* on the Library Page for more information.
- Install the WebSphere Customization Tools and upload the `xs.wct` and `xspf.wct` extension files. See Chapter 2, “Installing the WebSphere Customization Toolbox,” on page 3 for more information.

### About this task

You can generate customization definitions using the Profile Management Tool, which is provided in the WebSphere Customization Tools. A *customization definition* is a set of files used to create customized jobs for configuring WebSphere eXtreme Scale for z/OS.

### Procedure

1. Start the Profile Management Tool.
  - **Windows** Click **Start > Programs > IBM WebSphere > WebSphere Customization Tools**. After the application starts, click the **Profile Management Tool** tab.
  - **Linux** Click *operating\_system\_menus > IBM WebSphere > WebSphere Customization Tools*. After the application starts, click the **Profile Management Tool** tab.
2. Add an existing location or create a location of the customization definition that you want to create. On the **Customization Locations** tab, click **Add**. If you create a location, the Version box refers to the existing WebSphere Application Server product version installed on your z/OS system.

**Note:** Do not use the same location you are using for other WebSphere eXtreme Scale customization definitions.

3. Generate the customization definition. On the **Customization Definitions** tab, click **Augment**.
4. Select the type of definition environment to create:
  - Stand-alone application server node
  - Deployment manager
  - Application server
  - Managed (custom) node
5. Complete the fields on the panels. Specify the values for the parameters that are used to create your z/OS system.
6. Click **Augment** to generate the customization definition.

## **What to do next**

Upload the customized job to your target z/OS system. See Chapter 4, “Uploading and running customized jobs,” on page 7 for more information.

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## Chapter 4. Uploading and running customized jobs

After you generate the customization definitions, you can upload and run the customized jobs associated with the definitions to your WebSphere eXtreme Scale for z/OS system.

### Before you begin

Generate the customization definitions for the jobs that you want to upload to your z/OS system. See Chapter 3, “Generating customization definitions,” on page 5 for more information.

### About this task

Upload and run the customized jobs you created using the WebSphere Customization Tools to administer and monitor your WebSphere eXtreme Scale for z/OS environment.

### Procedure

1. Upload the customized jobs. On the **Customization Definitions** tab, select the jobs that you want to upload and click **Process**.
2. Upload the jobs to the FTP server on your z/OS system. Specify the required information on the **Upload Customization Definition** panel.
3. Click **Finish**.
4. Run the customized jobs. Click the **Customization Instructions** tab, and follow the customization instructions for each job.



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