



Deltek

Deltek Costpoint®
Shop Floor Time 2.2
JDK Installation Guide

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Installation Overview

This document provides instructions for downloading and deploying the latest Java JDK (for Costpoint SFT). This installation will have you apply the latest Java JDK to each of your WebLogic servers.

These are generic instructions for the Java JDK-11.0.29.

Installation Package Contents

The installation package contains the following:

- Java JDK exe
- Deltek Costpoint SFT WebLogic 14.1.1 JDK Installation Guide

Installation Prerequisites


The following prerequisites must be met before applying the latest WebLogic patch:

- Costpoint SFT 2.2 must be installed.
- WebLogic version 14.1.1 must be installed.

Adding Custom Notes to This Guide

If you would like to add custom notes to this guide that are specific to your company, Adobe® Reader® X provides this ability. If you do not already use Adobe Reader X, you can download it [here](#) free from Adobe.

To add a custom note using Adobe Reader X:

1. On the Reader toolbar, click **Comment** at the far right.
2. In the **Annotations** pane that displays, click  **Sticky Note**. The cursor changes to match the button.
3. Position the cursor at the location in the guide where you want the note to appear, and click. A note icon is inserted at the location and a text box pops up.
4. Enter your information in the text box.
5. Continue adding notes as needed.
6. Save the document.

Note: Deltek recommends that you save the document to a slightly different filename so as to keep the original from being overwritten.

When reading the document, cursor over a note icon to see the information. Double-click a note icon to edit the information.

Downloading Deltek Products using Deltek Software Manager

You can use Deltek Software Manager (DSM) to download complete Deltek products, hot fixes, cumulative updates, and sub-releases. You can access DSM through the Deltek Support Center or use Deltek Software Manager Lite to download Deltek products.

Accessing DSM from within the Deltek Support Center

To access DSM from within the Deltek Support Center:

1. In your web browser, go to <https://deltek.custhelp.com>.
2. Enter your Deltek Support Center **Username** and **Password**, and click **Login**.
3. When the Deltek Support Center page displays, click **Product Downloads**.
4. On the Deltek Software Manager screen, click **Launch Deltek Software Manager**.
5. Click **Settings** at the top right of the dialog box to use the Settings dialog box to specify the folder where you want to download Deltek products, and click **OK**.

Note: When you log on for the first time, DSM asks you to select a default folder where Deltek products are to be downloaded.

You can change this folder anytime in the Settings dialog box.

6. In the left pane, expand the Deltek product that you want to download, if it is not already expanded.
7. Select the product type that you want to download.

Options include:

- **Complete**
- **Cumulative Updates**
- **HotFixes**
- **Sub-Release**

8. In the table, select the checkbox that corresponds to the Deltek product that you want to download.

The right pane displays a message stating that the product has been added to the download queue.

Note: To view the items in the download queue, click **View Download Queue** at the bottom of the left pane.

9. Click **Download** at the bottom of the left pane to download the product to the folder that you selected.

Accessing DSM Lite

To access Deltek Software Manager Lite:

1. In your web browser, go to <https://dsm.deltek.com/DeltekSoftwareManagerLite>.
2. Enter your Deltek Support Center **Username** and **Password**, and click **Logon**.
3. When the Deltek Software Manager Lite page displays, select a product from the drop-down list.
4. Click the product type that you want to download.

Note: The download behavior and download folder may differ depending on the browser and browser settings that you are using.

DSM Documentation and Troubleshooting

- To view the online help for Deltek Software Manager, click [here](#).
- To view a tutorial on how to use Deltek Software Manager, click [here](#).
- To view more information on troubleshooting Deltek Software Manager, click [here](#).

Note: When you click a link, you will be asked to log into DSM if you aren't already logged in.

Uninstalling WebLogic Admin Service

This section contains the steps necessary to uninstall the WebLogic Windows Service.

Where

You must perform this step on your Costpoint SFT application server.

To uninstall WebLogic to run as a Service:

1. Click **Start » All Programs » Administrative Tools » Services**.
2. On the Services window, scroll down the **Services** drop-down list, right-click the **wlsvc CostpointSFT22_AdminServer** service, and click **Properties**.
3. On the wlsvc CostpointSFT21_AdminServer Properties screen, click the General tab, and click **Stop** to stop the **wlsvc CostpointSFT22_AdminServer** service.
4. Click **OK** to close the wlsvc CostpointSFT22_AdminServer Properties screen, and close the Services window.
5. Navigate to the **C:\Oracle\Middleware14.1.1\wlserver\server\bin** folder.
6. Make a backup copy of **uninstallSvc.cmd**.
7. Edit **uninstallSvc.cmd** to add the lines below before the **@echo off** line, editing the **bold** to match your settings:

```
set JAVA_OPTIONS=-DAUTOTIME_HOME="%AUTOTIME_HOME%" -XX:MaxPermSize=512m
set PRODUCTION_MODE=true
set USERDOMAIN_HOME=C:\Oracle\Middleware14.1.1\Deltek\CostpointSFT22
set SERVER_NAME=AdminServer
set DOMAIN_NAME=CostpointSFT22
@rem set ADMIN_URL= t3://${bcore.appserver.host}:7001
set MW_HOME=C:\Oracle\Middleware14.1.1
set WLS_USER=weblogic
set JAVA_VENDOR=Sun
```

8. Save your changes to **uninstallSvc.cmd**.
9. Open a command prompt window.

Note: Due to enhanced security in Windows Server, it is advised to use the option to **Run as Administrator** when launching this command even when the logged in user has local administrative rights.

10. Navigate to the **C:\Oracle\Middleware14.1.1\wlserver\server\bin** folder.
11. In the command prompt window, run **uninstallSvc.cmd**.
12. Close the command prompt window.

Java Configuration

Follow these steps to install a new version of Java 11.0.

Removing Older Java SE Development Kit 11 (JDK) 11.0.x

Your older JDK version 11.0.x needs to be removed.

Where

You must perform this step on the machine that will serve as your Costpoint SFT 2.2 application server.

To uninstall JDK 11.0.x:

1. Delete the old C:\Java\jdk11.0.x folder.

Installing Java SE Development Kit 11 (JDK) 11.0.29

JDK has two version numbers, external version number (11.0) and internal version number (11.0.29). WebLogic 14.1.1 requires this to be 11.0.19 or higher.

Where

You must perform this step on the machine that will serve as your Costpoint SFT 2.2 application server.

To install JDK 11.0.29:

1. Run the **jdk-11.0.29.exe** you downloaded from DSM.

Note: Due to enhanced security in Windows Server, it is advised to use the option to **Run as Administrator** when launching this command even when the logged in user has local administrative rights.

2. For the **Unzip to Folder**, enter the location you want Java 11.0.29 installed.

Deltek recommends **C:\Java**.

Warning: The Costpoint SFT WebLogic software will not function properly if the Java software is installed to a directory path or folder that contains a space.

3. Click **Unzip**.
4. After the 421 files have unzipped successfully, click **OK**.
5. Click **Close**.

Configuring JAVA_HOME Environment Variable

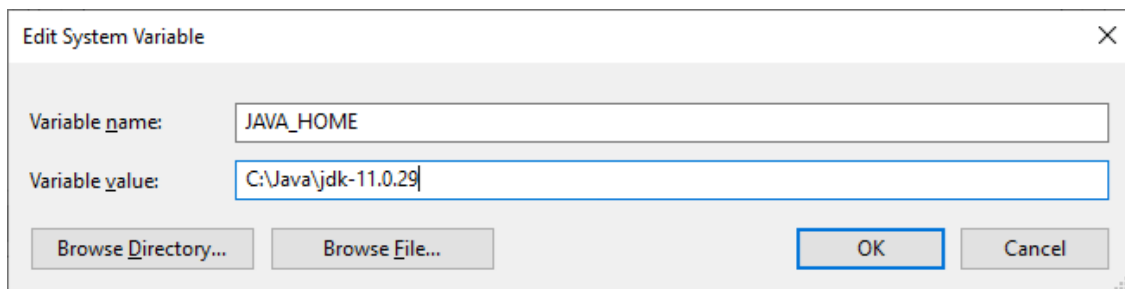
Costpoint SFT requires a JAVA_HOME environment variable to be set.

Where

You must perform this step on the machine that will serve as your Costpoint SFT 2.2 application server.

To set the Environment Variable on the application server:

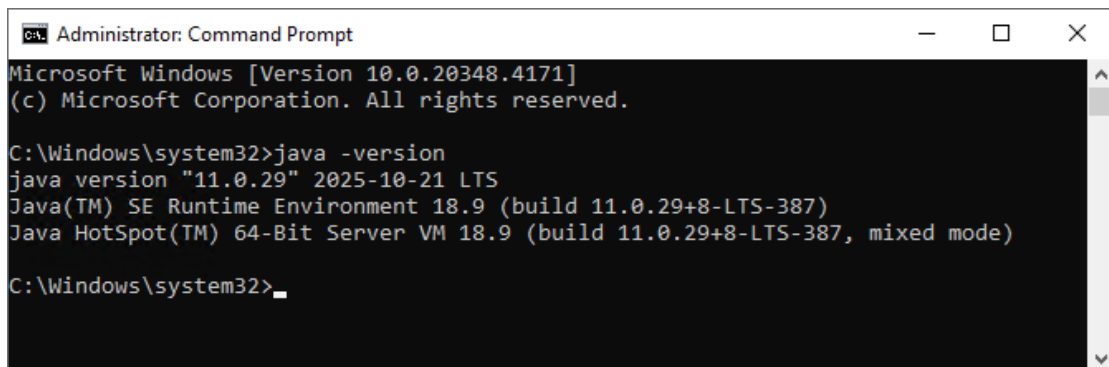
1. On the application server, open **System**.
2. Click the link for the **Advanced system settings**, and click **Environment Variables**.
3. In the **System Variables** group box of the Environment Variable dialog box, select the **JAVA_HOME** variable, and click **Edit**.
4. In the Edit/New System Variable dialog box, enter **JAVA_HOME** in the **Variable name** field and the path of the JDK 11.0.x you installed (for example: **C:\Java\jdk-11.0.29**) in the **Variable value** field, and click **OK**.



5. Click **OK** to close the Edit System Variable dialog box.
6. Click **OK** to close the Environment Variables dialog box.
7. Click **OK** to close the System Properties dialog box.
8. Close the System window.
9. Restart the application server.

You can verify the JDK version by launching the command prompt screen and running the following statement: `java -version`.

The version displayed must be the one you just installed. In the example below, it is **11.0.29**.



```
C:\Windows\system32>java -version
java version "11.0.29" 2025-10-21 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.29+8-LTS-387)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.29+8-LTS-387, mixed mode)

C:\Windows\system32>
```

Installing WebLogic Admin Service

This section contains the steps to install and configure WebLogic to run as a Windows Service.

Where

You must perform this step on your Costpoint Shop Floor Time 2.2 application server.

To install WebLogic to run as a Service:

1. Open a command prompt window.

Note: Due to enhanced security in Windows Server, it is advised to use the option to **Run as Administrator** when launching this command even when the logged in user has local administrative rights.

2. Navigate to the **C:\Oracle\Middleware14.1.1\wlserver\server\bin** folder.
3. In the command prompt window, run **installSvc.cmd**, followed by a space and your WebLogic Administrator password:

For example: **installSvc.cmd Password1**

4. Edit your Registry by clicking **Start » Run**, entering **regedit**, and clicking **Run**.
5. Navigate to **HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\wlsvc CostpointSFT22_AdminServer\Parameters**.
6. Double-click on **CmdLine** and edit these values to use more memory:

```
-server -Xms32m -Xmx200m
```

Edit this to something like the following if your server is running 6GB of memory:

```
-server -Xms2048m -Xmx4096m
```

7. Double-click **Log**, and set a path and file name to capture the startup of the service: **C:\Deltex\CostpointSFT\app\logs\CostpointSFT22Service.log**.
8. Close your Registry.
9. Click **Start » All Programs » Administrative Tools » Services**.
10. On the Services window, scroll down the **Services** drop-down list, right-click the **wlsvc CostpointSFT22_AdminServer** service, and click **Properties**.
11. On the wlsvc CostpointSFT22_AdminServer Properties screen, click the Recovery tab, complete the following actions, and click **Apply**.
 - **First failure:** Change the drop-down selection from **Take No Action** to **Restart the Service**.
 - **Second failure:** Accept the default value, **Take No Action**.
 - **Subsequent failures:** Accept the default value, **Take No Action**.
 - **Reset fail count after:** Change the value from **0** to **1** days.
 - **Restart service after:** Accept the default value, **1** minute.
12. On the wlsvc CostpointSFT22_AdminServer Properties screen, click the Log On tab, complete the following actions, and click **Apply**.

Make sure that the login account for the wlsvc CostpointSFT22_AdminServer Service is in the local Administrators group on the Application Tier server.

- **Account:** Enter the domain Account (for example, **domain\useraccountname**).
If you are using a domain service login account instead of the "Local System Account," select **This Account**.
 - **Password:** Enter the password for the domain Account.
 - **Confirm Password:** Re-enter your password for the domain Account.
13. On the wlsvc CostpointSFT22_AdminServer Properties screen, click the General tab, and click **Start** to start the **wlsvc CostpointSFT22_AdminServer** service.

If you encounter problems with the wlsvc CostpointSFT22_AdminServer service, check the C:\Delttek\CostpointSFT\app\logs\CostpointSFT22Service.log file.

When the WebLogic Server starts successfully, the following message displays near the bottom of the log file:

<The server started in RUNNING mode.>

14. Click **OK** to close the wlsvc CostpointSFT22_AdminServer Properties screen and close the Services window.

Run the Application

To run the application:

1. Connect to Costpoint Shop Floor Time.
 - On your Database Server, Oracle Listen Port 1521 or SQL Server Listen Port 1433 must be open for Inbound and Outbound traffic through your firewall.
 - On your Application Server, WebLogic Listen Port 7001 must be open for Inbound and Outbound traffic through your firewall.
2. Open your Web browser.
3. Clear your Web browser's cache.
4. Navigate to the following URL: <http://<Hostname or IP address of app server>:7001/costpointsf/>. The Login page displays. If you cannot display the Login page, contact [Deltak Support Center](#).
5. For initial login, use **ADMIN** as the user and **5679** as the password.

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