Costpoint WebLogic SPB JDK Installation

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26 March 2026

Contents

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Installation Overview

This document provides instructions for installing the Deltek Costpoint WebLogic SPB & JDK software. This installer supports WebLogic 14.1.2 (Costpoint 8.2, MR 2025.3.0 and higher), WebLogic 14.1.1 (Costpoint 8.2, MR 2025.2.0 and lower), and WebLogic 12.2.1.4 (Costpoint 8.1). The installer will automatically detect the version you are running and apply the appropriate files.

During this installation, you perform the following tasks:

- Stop Costpoint Windows Service(s).
- Run the Installer on your Primary application server:
  - Apply latest JDK.
  - Apply latest WebLogic Security Patches.
- Run the Installer on any additional WebLogic nodes:
  - Apply latest JDK.
  - Apply latest WebLogic Security Patches.
- Reconfigure and start Costpoint Windows Service(s).

> **Note:** If you need help with this installation, please contact Deltek Costpoint Technical Support at 877.HLP.PROJ (877-457-7765).

Installation Package Contents

The Costpoint WebLogic SPB & JDK installation package contains the following:

- Costpoint WebLogic SPB & JDK installer
- Deltek Costpoint WebLogic SPB & JDK Installation Guide

Installation Prerequisites

Before you install Costpoint WebLogic SPB & JDK, check that you meet the following version and access requirements.

Versions

Ensure that your system meets the following version requirements.

Item	Required Version
Costpoint	8.2.x or 8.1.31 or higher
Costpoint WebLogic	14.1.2 (Costpoint 8.2, MR 2025.3.0 and higher) or 14.1.1 (Costpoint 8.2, MR 2025.2.0 and lower) or 12.2.1.4 (Costpoint 8.1.x)

Deltek Software Manager (DSM)

You download software installations, installation instructions, technical guides, and release notes from Deltek Software Manager (DSM). You will also download future releases of Costpoint WebLogic SPB & JDK from DSM.

DSM is the sole download source for hotfix files.

DSM Requirements

You can run DSM from any desktop. You do not need to run DSM from Deltek application servers.

To run DSM, you must meet the following requirements:

- Windows XP or later
- Microsoft .NET Framework 3.5 SP1 (3.5.1)

The following Deltek Knowledge Base article contains a download link to the framework. It also has examples of what you may see if you do not have the framework installed:

https://deltek.custhelp.com/app/answers/detail/a_id/52469

> **Tip:** To learn more about DSM and how it works, see the DeltekSoftwareManager.pdf.

DSM Documentation and Troubleshooting

For more information on Deltek Software Manager, use the following links:

- To view the online help for DSM, click here.
- To view a tutorial on how to use DSM, click here.
- To view information about troubleshooting DSM, click here.
  This link works only when you are logged in to Deltek Customer Care Connect.

Pre-Installation Instructions

This section provides instructions that you must complete to prepare your Costpoint system for installation of the Costpoint WebLogic SPB & JDK.

> Warning: Ensure that you perform the steps in this section before you perform a test upgrade. Then complete these steps a second time before you upgrade your production environment. Changes that you make to your production environment after you upgrade your test copy could provide different results.

Notify All Users

It is important that you coordinate the timing for the installation with all users. Users must not access Costpoint, Time & Expense, or Planning during the WebLogic SPB & JDK installation.

Back Up Costpoint, including WebLogic

Before you install the latest Costpoint WebLogic SPB & JDK, Deltek strongly recommends that you make a backup of your existing Costpoint folder (C:\Deltek\Costpoint) and Oracle WebLogic folder (C:\Oracle\ Middleware14.1.2, C:\Oracle\Middleware14.1.1, or C:\Oracle\Middleware12.2.1.4).

WebLogic SPB & JDK Installation

This section provides instructions and recommendations for installing the Deltek Costpoint WebLogic SPB & JDK.

> Warning: For Costpoint 8.1 users, you **must** be on **MR 8.1.31** or higher to use this installer. The **April 2024 WebLogic SPB** release required changes on the Costpoint side as well. These Costpoint changes were released as part of MR 8.1.31.

> Note: If you use a clustered environment, you must **repeat** all the steps in this section for **each** of your Costpoint WebLogic Application nodes.

Stop Costpoint WebLogic Server

This section provides instructions for stopping your Costpoint WebLogic Server.

You must perform this step on your Costpoint WebLogic **application** server and **any WebLogic server nodes**.

To stop your Costpoint WebLogic Server(s):

1. Click **Start » Administrative Tools » Services**.

2. On the Services window, scroll down the **Services** list and **Stop** the **Costpoint 8.x** service.

3. Close the Services window.

Install WebLogic SPB & JDK Software

This section provides the steps to install the Costpoint WebLogic SPB & JDK software.

You must perform this step on your **application** server.

You must have Internet access on the machine where the Costpoint WebLogic SPB & JDK installer is invoked to download the latest **DeltekCostpoint82RequirementsINI.exe** file automatically.

> **Note:** Even if you are running Costpoint 8.1, this Deltek WebLogic SPB & JDK installer still uses the DeltekCostpoint82RequirementsINI.exe.

The DeltekCostpoint82RequirementsINI.exe file contains the latest OS platforms supported. This file is automatically downloaded when you launch the WebLogic SPB & JDK installation if your application server has Internet access.

> **Note:** The Deltek WebLogic SPB & JDK installer contains functionality that enables it to dynamically download configuration files from the Deltek Software Manager server when the WebLogic SPB & JDK installer executes. This connection requires communication over HTTPS.

If your application/web server does not have Internet access, you must perform the steps in the Latest Installer Files Download Instructions section of this document before you run DeltekCostpointWebLogic_SPB_JDK_yyyymm.exe.

To install the software:

1. Run the **DeltekCostpointWebLogic_SPB_JDK_yyyymm.exe** file to launch the Costpoint WebLogic SPB & JDK installation program.

> **Note:** Due to enhanced security in Microsoft Windows Server, Deltek recommends that you use the **Run as Administrator** option when launching installation files, even if you are logged in as a user with local administrative rights. To do so, right-click the **DeltekCostpointWebLogic_SPB_JDK_yyyymm.exe** file in Windows Explorer and select **Run as Administrator**.

2. On the Welcome to the InstallShield Wizard for Deltek Costpoint WebLogic Stack Patch Bundle and JDK screen, click **Next >**.

3. On the Costpoint Tier Type screen, complete the following fields, and then click **Next >**.

Field Name	Action
Primary (Updates Costpoint and WebLogic)	Select this setup type to install both the Oracle WebLogic and Deltek Costpoint software. You must select this option if you are installing Costpoint in a non-clustered environment or if this is your Primary Application Server Tier in a clustered environment. Additional changes are required to configure a clustered environment.
Secondary (Updates WebLogic only)	Select this setup type to install only the Oracle WebLogic software. The Deltek Costpoint software will not be installed. Only **after** you update your Primary Application Server Tier, you select this option for each of your additional WebLogic nodes in a clustered environment

4. On the Costpoint Installation Directory screen, accept the default location (the installer reads toolconnection.properties) of your Costpoint installation location, or click **Change...** to navigate to the proper location, and then click **Next >**.

5. On the Features screen, complete the following fields, and then click **Next >**.

Field Name	Action
JDK	Select this feature to install the latest JDK patch. If you already installed the latest JDK, this feature is cleared by default.
WebLogic Stack	Select this feature to install the latest WebLogic security patches and updates.

Field Name	Action
Patch Bundle	

6. On the Pre-Installation Summary screen, review the installation parameters you selected:

    ▪ If you want to change any settings, click **< Back** and make the necessary changes.
    ▪ If you are satisfied with the settings, click **Install >** to begin the installation.

    Once initiated, the installation process for Costpoint WebLogic SPB & JDK commences, and you should not interrupt the process.

7. If the installer encounters errors, the process stops, and you should review the Troubleshooting Instructions section of this document.

    If you require additional assistance, research the applicable log file(s) and report the errors to Deltek Costpoint Technical Support.

8. If the installation completes successfully, review the results on the Install Summary screen.

    For each feature that you selected to install, you should see a SUCCESS message or an indication that there were No Errors or Execution Not Needed.

9. Click **Next >**.

10. If the "Please reinstall the Costpoint Windows Service on each WebLogic node in order to use the updated JDK version." message displays, click **OK**.

    If you receive this message, you may need to reinstall your Costpoint Windows Service in a subsequent step below.

11. On the Installation Summary Results screen, select the checkbox to launch the folder containing the installer log files and click **Finish** to exit the installation.

12. When the DeltekCostpointWebLogic_SPB_JDK_SummaryResults.log file opens, showing you the same SUCCESS, No Errors, and Execution Not Needed messages as the Install Summary screen, review all log files for any errors or reported issues.

    All errors are listed in the DeltekCostpointWebLogic_SPB_JDK_ErrorSummaryResults.log.

> **Attention:** For information on the logs folder structure and contents, see the Post Installation WebLogic SPB & JDK Installer Log Files section.

> **Note:** If you are running a WebLogic cluster, you must repeat this step for all WebLogic servers. Run the step once on your Cluster master and select **Primary (Updates Costpoint and WebLogic)** for the **Costpoint Tier Type**. Then, on each of your cluster nodes, select **Secondary (Updates WebLogic only)** for the **Costpoint Tier Type**.
>
> For more information on WebLogic clustering, see the DeltekCostpoint8xConfigurationUtility.pdf technical guide.

Reinstall Costpoint Windows Service

This section provides instructions for reinstalling the Costpoint Windows service on any WebLogic nodes. Successful completion of the WebLogic SPB & JDK installer should automatically reinstall your Costpoint Windows service.

> **Note:** If you are running a WebLogic cluster, you must repeat this step for all your Costpoint Windows Services.

You must perform this step on your Costpoint WebLogic application server for any WebLogic server nodes.

To reinstall Costpoint nodes to run as a Windows service:

1. Use Windows Explorer to navigate to the directory in which the Costpoint software was installed (C:\Deltek\Costpoint\8x\bin).

2. Right-click **InstallCPWebAsService.cmd/InstallCPWebNodeAsService.cmd,** and then click **Run as administrator** on the shortcut menu.

Reconfigure and Start the Costpoint Windows Service

This section provides steps for configuring the Costpoint Windows service. Successful completion of the WebLogic SPB & JDK installer should automatically reinstall your Costpoint Windows service.

You must perform these steps on your Costpoint WebLogic application server as well as any WebLogic server nodes.

To configure the Costpoint Windows service:

1. Click **Start » Administrative Tools » Services**.

2. On the Services window, scroll down the **Services** drop-down list, right-click the **Costpoint** service, and click **Properties** on the shortcut menu.

3. On the Costpoint Properties screen, click the Recovery tab, complete the following fields, and then click **Apply**:

Field Name	Action
First failure	Change the 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.

4. On the Costpoint Properties screen, click the Log On tab, complete the following fields, and then click **Apply**:

Field Name	Action
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.

5. Make sure that the login account for the Costpoint Service is in the local Administrators group on the Application Tier server and is part of the local security group created by the original Costpoint Application Tier installer, CostpointToolsGroup.

   You must give this login account full access permissions for any Alternate File locations set up (network shared directories). Alternate File locations are used by Costpoint users for uploading and downloading files from within Costpoint.

6. On the Costpoint Properties screen, click the General tab, and then click **Start** to start the Costpoint service.

The service immediately indicates that it is starting. However, it takes several minutes for the Costpoint service to initialize fully. Therefore, after starting the service, you should wait several minutes before you attempt to connect to the software.

If you encounter problems, check the C:\Deltek\Costpoint\8x\logs\DEServer.log file and report any errors to Deltek Costpoint Technical Support.

7. Click **OK** to close the Costpoint Properties screen, and then close the Services window.

Post-Installation

WebLogic SPB & JDK Installer Log Files

WebLogic SPB & JDK Installation logs are written to **C:\Program Files\Deltek\CostpointWebLogic_SPB_JDK\ Logs.**

Each log file is detailed in the table below, but here is a look at the log folder/file structure:

C:\Program Files\Deltek\CostpointWebLogic_SPB_JDK\Logs

    DeltekCostpointWebLogic_SPB_JDK_Setup.log

    DeltekCostpointWebLogic_SPB_JDK_ErrorSummaryResults.log

    DeltekCostpointWebLogic_SPB_JDK_SummaryResults.log

    C:\Program Files\Deltek\CostpointWebLogic_SPB_JDK\Logs\InstallerLogArchive

The following table provides the list of log files generated during the WebLogic SPB & JDK Installation, the folder they are under, a description of each, and what to look for when reviewing them.

Log Name	Description	What to Look For
C:\Program Files\Deltek\CostpointWebLogic_SPB_JDK\Logs		
DeltekCostpointWebLogic_SPB_JDK_Setup.log	Main WebLogic SPB & JDK installation Log File. Shows detailed results of all processes executed in the installer. (Multiple log files for this, older ones from previous	Date and Build number at the top, Installation Success or failed at the bottom. Installation

Log Name	Description	What to Look For
	WebLogic SPB & JDK installer runs stored under InstallerLogArchive folder.)	details, including metadata results, Error or Failed messages in between.
DeltekCostpointWebLogic_SPB_JDK_SummaryResults.log	Installer Summary description Panel output written to a log file. Contains the results of the installation process. (Multiple log files for this, older ones from previous WebLogic SPB & JDK installer runs stored under InstallerLogArchive folder.)	SUCCESS items, FAILED items with error messages, and/ or Warning messages.
DeltekCostpointWebLogic_SPB_JDK_ErrorSummaryResults.log	WebLogic SPB & JDK installer error output written to a log file. Contains any ERROR results of the installation process. (Multiple log files for this, older ones from previous WebLogic SPB & JDK installer runs stored under InstallerLogArchive folder.)	Any errors during the installation will be written to this file. This will then lead you to the other logs for more detailed description of the errors.
C:\Program Files\Deltek\CostpointWebLogic_SPB_JDK\Logs\InstallerLogArchive		
	Copies of current log files will be moved to these folders when you run future WebLogic SPB & JDKs.	

WebLogic SPB & JDK Installer Silent Install Parameters

If you are looking to integrate into automation or orchestration platforms, there are command line parameters that can be enabled to run the WebLogic SPB & JDK Installer without going through the GUI interface.

Setup.iss must be in the same folder as the WebLogic SPB & JDK Installer executable. This file was downloaded from DSM when you downloaded the DeltekCostpointWebLogic_SPB_JDK_yyyymm.exe installer. You can find it in the Documentation folder.

Example for Silent Install on PRIMARY Node

```
start /wait DeltekCostpointWebLogic_SPB_JDK_202404.exe /s /z\"primary=true\"
/f1\"C:\\Users\\Administrator\\Desktop\\setup.iss\"
```

### Example for Silent Install on SECONDARY Node

```
start /wait DeltekCostpointWebLogic_SPB_JDK_202404.exe /s /z\"secondary=true\"
/f1\"C:\\Users\\Administrator\\Desktop\\setup.iss\"
```

The following table provides the list of parameters along with a description for the use of each.

Parameter Name	Description	Required?
/s	Use this parameter to indicate Silent Mode.	Y
/f1"<Path to>\setup.iss"	Use this parameter to indicate the location of the required **setup.iss**.	
/z"primary=true"	Use this parameter on primary Nodes. If set to true, force the installer to set the installer tier type to primary.	Y
/z"secondary=true"	Use this parameter on Secondary Nodes. If set to true, force the installer to set the installer tier type to secondary. (This will only install WL patches and JDK.)	
/z"showcmdwindow=true"	Use this parameter to display a command prompt window with progress during application of Patches, SPs, Dynamic Data, and Metadata.	
/z"showstatus=false"	Use this parameter to **not** display the status message box shown below during silent install.	
/z"filedynamicdownload=true"	Use this parameter to download the required parameter file DeltekCostpoint82RequirementsINI.exe when your application server does not have Internet access.	

Parameter Name	Description	Required?
/z"skiponline=true"	Use this parameter when your application server does not have Internet access to prevent the WebLogic SPB & JDK installer from trying to access DSM to download the required parameter file. You will need to have already downloaded and copied it to your application server in the same folder as the WebLogic SPB & JDK installer EXE.	

Silent install displays a status message box similar to the following as it proceeds through each Feature:
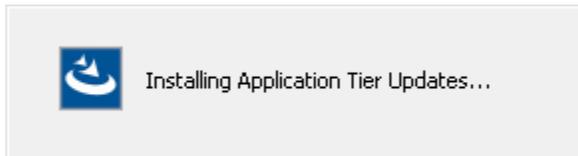
Troubleshooting Instructions

The following sections contain troubleshooting instructions for problems with the WebLogic SPB & JDK installation.

Costpoint Windows Service Will Not Start

Try reinstalling and reconfiguring the Costpoint Windows service by running C:\Deltek\Costpoint\8x\bin**InstallCPWebasService.cmd** (remember to Run as Administrator).

If running in a cluster, you need to reinstall and reconfigure all nodes as well: **InstallCPWebNodeAsServiceDEServer1.cmd**, **InstallCPWebNodeAsServiceDEServer2.cmd**, and so on.

Latest Installer Files Download Instructions

The instructions to download the latest **DeltekCostpoint82RequirementsINI.exe** file are detailed in this section. Each installer will automatically download the applicable file if your servers have Internet access. If your servers do not have access, you will need to run this step.
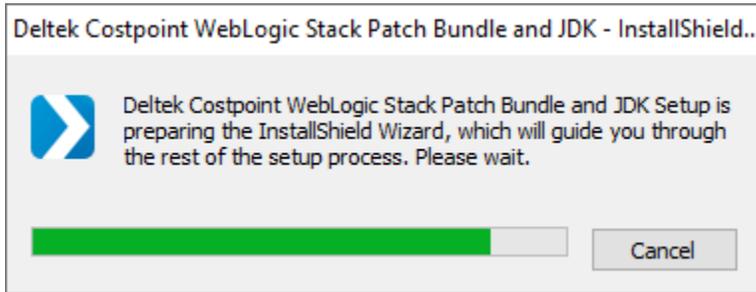
You must perform this step on any machine that has Internet access.

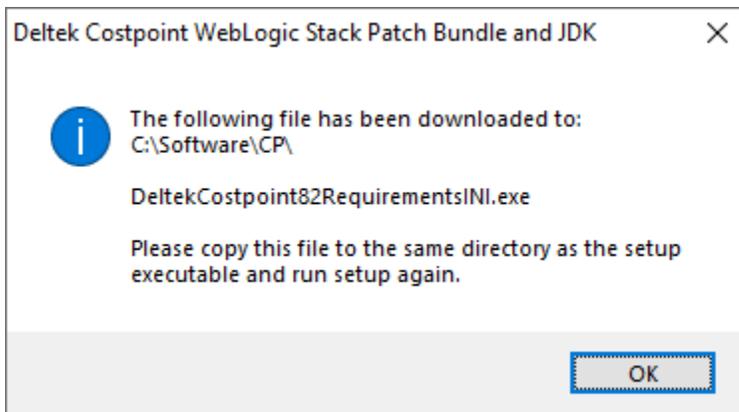**To download the required WebLogic SPB & JDK Installer file:**

1. Run the applicable command to retrieve the files from DSM:

   DeltekCostpointWebLogic_SPB_JDK_202404.exe /z"filedynamicdownload=true"

You will see a screen similar to the following.

2. After the files download, click **OK** when a message similar to the following displays:

3. Copy the downloaded **DeltekCostpoint82RequirementsINI.exe** file to your server, in the same folder as your WebLogic SPB & JDK **.exe** installer file.

4. When running the WebLogic SPB & JDK Installer on your application servers/nodes, invoke the following command:

```
DeltekCostpointWebLogic_SPB_JDK_202404.exe /z"skiponline=true"
```

Appendix: If You Need Assistance

If you need assistance installing, implementing, or using Deltek Costpoint, Deltek makes a wealth of information and expertise readily available to you.

Customer Services

For over 30 years, Deltek has maintained close relationships with client firms, helping with their problems, listening to their needs, and getting to know their individual business environments. A full range of customer services has grown out of this close contact, including the following:

- Extensive self-support options through the Deltek Support Center.
- Phone and email support from Customer Care analysts
- Technical services
- Consulting services
- Custom programming
- Classroom, on-site, and Web-based training

> **Attention:** Find out more about these and other services from the Deltek Support Center.

Deltek Support Center

The Deltek Support Center is a support Web site for Deltek customers who purchase an Ongoing Support Plan (OSP).

The following are some of the many options that the Deltek Support Center provides:

- Search for product documentation, such as release notes, install guides, technical information, online help topics, and white papers
- Ask questions, exchange ideas, and share knowledge with other Deltek customers through the Deltek Support Center Community
- Access Cloud-specific documents and forums
- Download the latest versions of your Deltek products
- Search Deltek's knowledge base
- Submit a support case and check on its progress
- Transfer requested files to a Customer Care analyst
- Subscribe to Deltek communications about your products and services
- Receive alerts of new Deltek releases and hot fixes
- Initiate a Chat to submit a question to a Customer Care analyst online

> **Attention:** For more information regarding Deltek Support Center, refer to the online help available from the Web site.

Access Deltek Support Center

To access the Deltek Support Center:

1. Go to https://deltek.custhelp.com.

2. Enter your Deltek Support Center **Username** and **Password**.

3. Click **Login**.

> **Note:** If you forget your username or password, you can click the **Need Help?** button on the login screen for help.