Deltek Costpoint® 8.0

Maintenance Release Installation Guide

May 12, 2022

Contents

Installation Overview

This document provides instructions for installing the Deltek Costpoint 8.0 Maintenance Release software. During this installation, you perform the following tasks:

- Back up all schemas:
  - Costpoint Admin
  - Costpoint System
  - Costpoint Transaction
  - Time & Expense Transaction (if applicable)
  - Planning Transaction (if applicable)
- Upgrade to WebLogic 12.2.1.4.
- Stop Costpoint Windows Service(s).
- Run the MR Installer on your Primary application server:
  - Apply latest JDK.
  - Apply latest WebLogic Security Patches.
  - Apply Costpoint Application Classes.
  - Apply Costpoint Web Tier files.
  - Apply Costpoint Help Files.
  - Apply Patches, Dynamic Data, and Stored Procedures.
  - Apply System Metadata.
  - Run Link Views and Rebuild User Menus.
- Run the MR Installer on any additional WebLogic nodes:
  - Apply latest JDK.
  - Apply latest WebLogic Security Patches.
- Run the MR Installer on any IIS web servers:
  - Apply Costpoint Web Tier files.
- Reconfigure any non-standard InstallCPWeb Service CMDs.
- Reconfigure and start Costpoint 8.0 Windows Service(s).
- Update Costpoint Web Services (PMFG SFT/MES clients only).

> **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 8.0.x installation package contains the following:

- Costpoint 8.0.x Maintenance Release installer
- Deltek Costpoint 8.0 Maintenance Release Installation Guide

Installation Prerequisites

Before you install Costpoint 8.0.x, check that you meet the following version and access requirements.

Versions

Ensure that your system meets the following version requirements:

Item	Required Version
Costpoint WebLogic	12.2.1.4
Costpoint databases	7.1.2 or later
Time & Expense databases (if applicable)	7.1.2 or later
Planning databases (if applicable)	7.1.2 or later

Administrative Access

In addition, ensure that you have Administrative access to the following databases:

- Costpoint Transaction
- Costpoint System
- Costpoint Admin
- Time & Expense (if applicable)
- Planning Transaction (if applicable)

Internet Access

In addition, the MR installer will also need Internet access to download the following files at runtime:

- DeltekCostpoint80RequirementsINI.exe
- DeltekCostpoint80MRSupportFiles.exe

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 8.0 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 8.0 Maintenance Release.

> **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 Maintenance Release installation.

Back Up Database Schemas

Deltek strongly recommends that you make a backup of your existing Costpoint database before you install the latest Costpoint 8.0 Maintenance Release.

You also need to back up the following schemas:

- Transaction
- Admin
- System
- Time & Expense (if applicable)
- Planning Transaction (if applicable)

Use your preferred method for backing up these databases or employ the Oracle datapump export utility.

> **Note:** Deltek strongly recommends that you regularly test and verify your database backups**.**

Maintenance Release Installation

This section provides instructions and recommendations for installing the Deltek Costpoint 8.0 Maintenance Release.

> **Note:** If you use a clustered environment, you must **repeat** all the steps in this section for **each** of your Costpoint 8.0 WebLogic Application nodes.

Upgrade Costpoint WebLogic Server to 12.2.1.4

This section provides instructions for upgrading your Costpoint WebLogic Server to version 12.2.1.4. Costpoint 8.0 only works with WebLogic 12.2.1.4.

> **Note:** Skip this step if you already upgraded WebLogic to version 12.2.1.4.

You must perform this step on your Costpoint 8.0.x WebLogic **application** server and **any WebLogic server nodes**.

To upgrade your Costpoint WebLogic Server(s):

1. Complete the instructions in **DeltekCostpointWebLogic12214UpgradeInstallationGuide.PDF**.

Stop Costpoint WebLogic Server

This section provides instructions for stopping your Costpoint 8.0 WebLogic Server.

You must perform this step on your Costpoint 8.0.x 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 7.1/Costpoint 8.0** service.

   > **Note:** When upgrading from Costpoint 7.1.x to Costpoint 8.0, you also need to **Stop** the **Costpoint Exchange Server Connector** service, if it exists.

3. Close the Services window.

Install Maintenance Release Software

This section provides the steps to install the Costpoint 8.0.x Maintenance Release software.

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

You must have Internet access on the machine where the Costpoint 8.0 MR installer is invoked in order to download the latest DeltekCostpoint80MRSupportFiles.exe and DeltekCostpoint80RequirementsINI.exe files automatically.

The DeltekCostpoint80MRSupportFiles.exe contains the latest database patch rollback scripts that have been incorporated into the MR. The DeltekCostpoint80RequirementsINI.exe contains the latest OS platforms and database versions supported. These files are automatically downloaded when you launch the MR installation, assuming that your application/web server has Internet access.

> **Note:** The Deltek MR installer contains functionality that enables it to dynamically download configuration files and patch rollback scripts from the Deltek Software Manager server when the MR 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 the DeltekCostpointMaintenanceRelease_8.0.x.nnnn.exe.

To install the software:

1. Run the **DeltekCostpointMaintenanceRelease_8.0.x.nnnn.exe** file to launch the Costpoint 8.0 Maintenance Release installation program.

   The Welcome to the InstallShield Wizard for Costpoint Maintenance Release screen displays.

   > **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 DeltekCostpointMaintenanceRelease_8.0.x.nnnn.exe file in Windows Explorer and select **Run as Administrator**.

2. 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
Web Tier (Updates local Web Tier only)	Select this setup type on the IIS web server(s) to install the Deltek Costpoint software. You must run this option on all IIS web server(s) when first upgrading from Costpoint 7.1 to Costpoint 8.0 to change your Deltek Costpoint DEWebApp folder location from 71 to 80, if it contains a 71 folder

Field Name	Action
	location (i.e., C:\Deltek_IIS\Costpoint**71**\applications\DEProxy, C:\Deltek_IIS\Costpoint**71**\applications\DEWebApp). After you are at Costpoint 8.0, as long as the Primary Application Server has access to the UNC path to your DEWebApp folder, all subsequent MR 8.0 installs will not require this option to be run on IIS web server(s). If you are running your IIS web server(s) in a DMZ to which the Primary Application Server does not have access, then you can run this option to update your DEWebApp folder with each MR release.

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 >**.

   Deltek recommends that you select all of the following fields when you install the maintenance release.

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 Patch Bundle	Select this feature to install the latest WebLogic security patches and updates.
Costpoint Application Classes	Select this feature to install the Costpoint application classes.
Costpoint Web Tier	Select this feature to install Costpoint Web Tier files.
Help Files	Select this feature to install the help files. If you are using Hosted Help, this feature is not available.
Patches, Dynamic Data, Stored Procedures	Select this feature to install the database patches, dynamic data, and stored procedures.
System Metadata	Select this feature to install the system metadata.
Link Views (Rebuild User Menus included)	Select this feature to run link views and rebuild user menus.

6. If you selected **Help Files** and you are currently using local help files, you are given the option to switch to using online help files:

   ▪ Click **Yes** to switch to using online help files (hosted help).

   ▪ Click **No** to continue using local help files.

7. If the Deltek Costpoint Web Tier IIS Website screen is displayed: In the **Website Name** field, select the web site where the Deltek Costpoint Virtual Directory (**CPWeb**) exists and click **Next >**.

   Typically, this is the **Default Web Site**.

8. With MR 8.0.14 and beyond, if your Application Server also contains you Web Server files and your IIS DEProxy files need to be updated, the following message will be displayed:
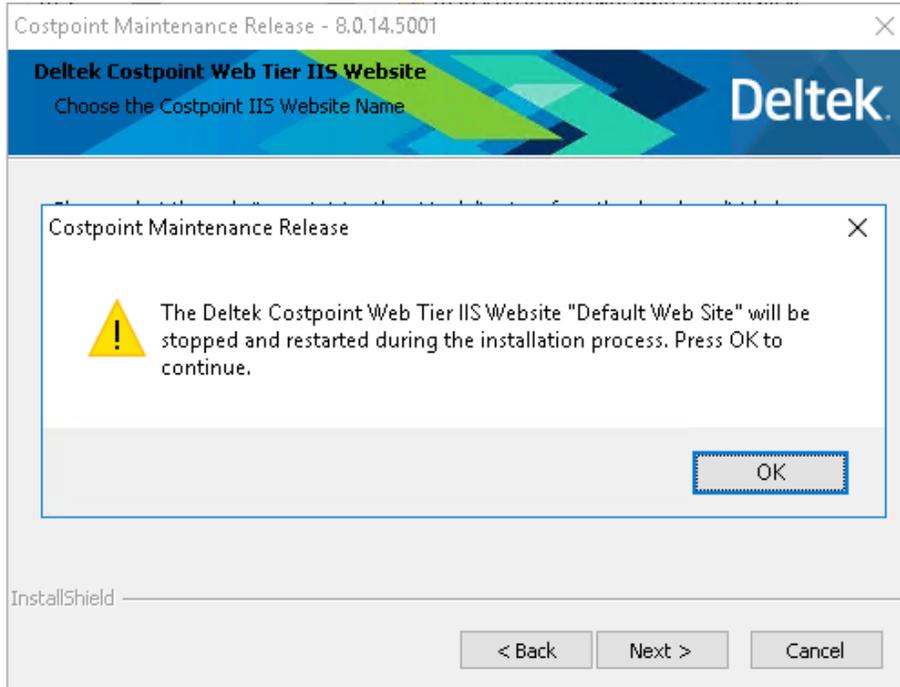

   The MR installer will automatically stop your CPWeb "Default Web Site" and restart it once the updated files have been copied. Click **OK** to proceed.

9. On the Costpoint System Name(s) screen, select all of the Costpoint systems that you want to update, and then click **Next >**.

   By default, all systems are selected.

   The following message may be displayed:
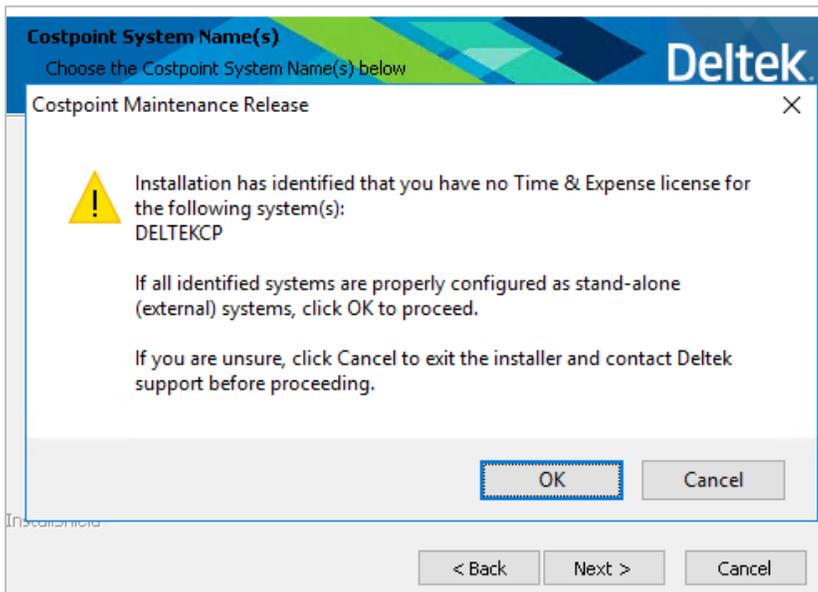
The MR installer reads all Costpoint systems selected. If a Time & Expense segment exists, the installer searches for the presence of a Time & Expense license in that Costpoint system, and lists any systems for which there is no Time & Expense license.

10. If the prompt displays, review the list and select the appropriate action:

- Apply (using DBWizard, Apply License) a Time & Expense license to the Costpoint system(s) in the list for which the connected TE segment is **not** for a stand-alone, external connection that should have a Time & Expense license applied to it.

  Any stand-alone, external Time & Expense segments for which a Time & Expense license was **not** present, or for which the Time & Expense segment is for a Time & Expense 901 system, will **not** have the MR Time & Expense patches, SPs, or Data Dictionary files applied to them. These Time & Expense segments are marked as External TESS segments.

- If all the systems listed are actual stand-alone, external (non-licensed) Time & Expense segments and you want them converted to external segments without applying the MR to them, click **OK** proceed.

If you are unsure, please contact Deltek Costpoint Technical support.

11. On the Logon screen, for each unique database server instance/host, complete the following fields and click **Next >**.

Field Name	Action
User Name	Enter the Oracle SYSTEM/Microsoft SQL Server SA user, or any user with "sysadmin" privileges.
	For the Oracle superuser (non-Costpoint user) entered on the installer screen to establish link views between Costpoint users, if you use a custom user (not the Oracle SYSTEM user), then the user name is case sensitive. If the case does not match, the installer fails in the link view step even though the connection validation on the initial screens are successful.
Password	Enter the password for the SYSTEM/SA user that you specified.

12. 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.

   The following message is displayed when you upgrade from Costpoint 7.1 to 8.0:
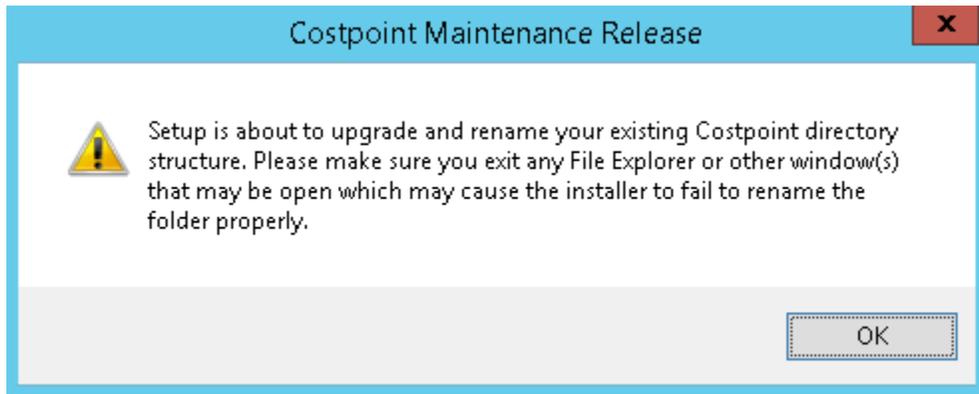
   When you upgrade from Costpoint 7.1 to 8.0, the MR installer renames the C:\Deltek\Costpoint\71\ folder to C:\Deltek\Costpoint\80\.

   For this process to succeed, there must not be any file locks under this 71 folder. You may need to close File Explorer windows, restart IIS, or stop IIS.

   To make sure that there are no file locks, check via **Computer Management > Shared Folders > Open Files**. If you have completed the suggestions listed above and still see locked files, you can close them from here.

   Once initiated, the installation process for Costpoint 8.0.x commences and you should not interrupt the process.

13. If the installer encounters errors, the process stops and you should review the Troubleshooting Instructions section at the end of this document; if you require additional assistance, research the applicable log file(s) and report the errors to Deltek Costpoint Technical Support.

14. 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.

15. Click **Next >**.

16. 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.

17. If the "Cluster Configuration detected. The Costpoint service has been renamed to version 8.0. Please review the Costpoint service configuration(s) in the Service Control Manager and configure as necessary." message displays, click **OK**.

   If you receive this message, you need to manually uninstall all existing Costpoint Windows Services before reinstalling your Costpoint Windows Services in a subsequent step below.

18. On the Installation Summary Results screen, select the check box to launch the HTML page containing the installer log files and click **Finish** to exit the installation.

19. When the MR_Setup_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 MR_Setup_ErrorSummaryResults.log.

   When upgrading from Costpoint 7.1.x to Costpoint 8.0, you can ignore the following errors, which will be addressed when you apply the MR 8.0.x to your IIS Server(s) in the next step.

   ```
   WARNING: Could not rename COMMON.WEB_PROXY_HOME from
   \\web1\Deltek\Costpoint\71\applications to \\web1\Deltek\Costpoint\80\applications
   ```

   ```
   Please run the MR installer on the IIS Web Server and choose the Web Tier Installation
   option on the Tier Type dialog.
   ```

   ```
   WARNING: Could not rename COMMON.WEB_PROXY_HOME2 from
   \\web2\Deltek\Costpoint\71\applications to \\web2\Deltek\Costpoint\80\applications
   ```

   ```
   Please run the MR installer on the IIS Web Server and choose the Web Tier Installation
   option on the Tier Type dialog.
   ```

   ```
   Will not copy DEWebApp files because \\web1\Deltek\Costpoint\80\applications\DEWebApp
   directory could not be accessed.
   ```

   ```
   Please Run installer on Web Tier Server to update the files.
   ```

   ```
   Will not copy DEWebApp files because \\web2\Deltek\Costpoint\80\applications\DEWebApp
   directory could not be accessed.
   ```

   ```
   Please Run installer on Web Tier Server to update the files.
   ```

   ```
   Will not extract help files because \\web1\Deltek\Costpoint\80\applications\DEWebApp
   directory could not be accessed
   ```

   ```
   Please Run installer on Web Tier Server to update the files.
   ```

   ```
   Will not extract help files because \\web2\Deltek\Costpoint\80\applications\DEWebApp
   directory could not be accessed
   ```

   ```
   Please Run installer on Web Tier Server to update the files.
   ```

   When applying MR 8.0.14 or later and your IIS DEPoxy files need to be updated, you can ignore the following errors, which will be addressed when you apply the MR 8.0.x to your IIS Server(s) in the next step.

   ```
   Will not copy DEProxy files because \\web1\Deltek\Costpoint\80\applications\DEProxy
   directory could not be updated.
   ```

   ```
   Please Run installer on Web Tier Server to update the files.
   ```

   ```
   Will not copy DEProxy files because \\web2\Deltek\Costpoint\80\applications\DEProxy
   directory could not be updated.
   ```

   ```
   Please Run installer on Web Tier Server to update the files.
   ```

   For information on the logs folder structure and contents, see the Post Installation MR 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 choose **Primary (Updates Costpoint and WebLogic)** for the **Costpoint Tier Type**. Then, on each of your cluster nodes, choose **Secondary (Updates WebLogic only)** for the **Costpoint Tier Type**.
   >
   > For more information on WebLogic clustering, see the **DeltekCostpoint80ConfigurationUtility.pdf** technical guide.

Install Maintenance Release Software on IIS Web Server(s)

This section provides the steps for installing the Costpoint 8.0.x Maintenance Release software on your IIS web server(s).

> **Note:** You must run this option on all IIS web server(s) when first upgrading from Costpoint 7.1 to Costpoint 8.0 to change your Deltek Costpoint DEWebApp folder location from 71 to 80, if it contains a 71 folder location (i.e., C:\Deltek_IIS\Costpoint**71**\applications\DEProxy, C:\Deltek_IIS\Costpoint**71**\applications\DEWebApp).
>
> **Costpoint MR 8.0.14 contains updated IIS DEProxy files. This requires that MR 8.0.14 <u>or</u> later, be run on your IIS Web server(s).**
>
> After you are at Costpoint 8.0, as long as the Primary Application Server has access to the UNC path to your DEWebApp folder, and your IIS DEProxy files have already been updated, subsequent MR 8.0 installs do not require this option to be run on IIS web server(s).
>
> If you are running your IIS web server(s) in a DMZ to which the Primary Application Server does not have access, then this option can be run to update your DEWebApp folder with <u>each</u> MR release.

You must perform this step on your **IIS web** server(s).

To install the software:

1. Run the **DeltekCostpointMaintenanceRelease_8.0.x.nnnn.exe** file to launch the Costpoint 8.0 Maintenance Release installation program.

    The Welcome to the InstallShield Wizard for Costpoint Maintenance Release screen displays.

    > **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 DeltekCostpointMaintenanceRelease_8.0.x.nnnn.exe file in Windows Explorer, and then select **Run as Administrator**.

2. Click **Next >**.

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

| Field Name	Action
Web Tier (Updates local Web Tier only)	Select this setup type on IIS web server(s) to install the Deltek Costpoint software.
	You must run this option on all IIS web server(s) when first upgrading from Costpoint 7.1 to Costpoint 8.0, to change your Deltek Costpoint DEWebApp folder location from 71 to 80, if it contains a 71 folder location (i.e., C:\Deltek_IIS\Costpoint**71**\applications\DEProxy, C:\Deltek_IIS\Costpoint**71**\applications\DEWebApp).
	After you are at Costpoint 8.0, as long as the Primary Application Server has access to the UNC path to your DEWebApp folder, all subsequent MR 8.0 installs do not require this option to be run on IIS web server(s).

Field Name	Action
	If you are running your IIS web server(s) in a DMZ to which the Primary Application Server does not have access, then you can run this option to update your DEWebApp folder with each MR release.

4. On the Deltek Costpoint Web Tier IIS Website screen, in the **Website Name** field, select the web site where the Deltek Costpoint Virtual Directory (**CPWeb**) exists, and then click **Next >**.

   Typically, this is the **Default Web Site**.

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

   ▪ If you want to change any settings, click **< Back**, and then make the necessary changes.

   ▪ If you are satisfied with these settings, click **Install >** to begin the installation.

   The following message is displayed when you upgrade from Costpoint 7.1 to 8.0:
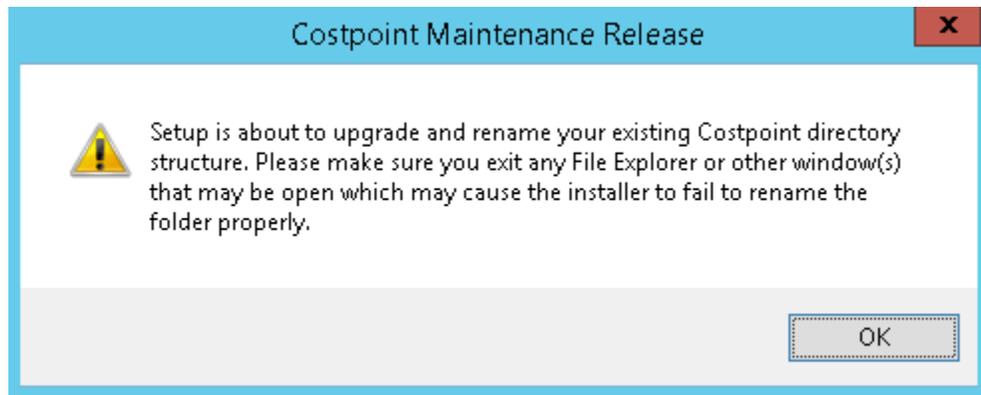
   When you upgrade from Costpoint 7.1 to 8.0, if your DEProxy and DEWebApp folders exist under a folder containing 71 (for example, C:\Deltek_IIS\Costpoint\71\applications), the MR 8.0.x installer renames this folder to 80 (for example, C:\Deltek_IIS\Costpoint\80\applications).

   For this process to succeed, there must not be any file locks under this 71 folder. You may need to close File Explorer windows, restart IIS, or stop IIS.

   To make sure that there are no file locks, check via **Computer Management > Shared Folders > Open Files**. If you have completed the suggestions listed above and still see locked files, you can close them from here.

   Once initiated, the installation process for Costpoint 8.0.x will commence. Please do not interrupt the process.

6. If the installer encounters errors, the process stops and you should review the Troubleshooting Instructions section at the end of this document; if you require additional assistance, research the applicable log file(s) and report the errors to Deltek Costpoint Technical Support.

7. 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.

8. Click **Next >**.

9. On the Installation Summary Results screen, select the check box to launch the HTML page containing the installer log files, and then click **Finish** to exit the installation.

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

    All Errors are listed in the MR_Setup_ErrorSummaryResults.log.

    For information on the logs folder structure and contents, see the Post Installation MR Installer Log Files section.

> **Note:** If you are running a IIS web cluster, you must repeat this step for all of your IIS web servers.

Re-Configure Costpoint 8.0 InstallCPWeb Service CMDs

This section provides instructions for reconfiguring the Costpoint 8.0 InstallCPWeb Service CMD files for any that the MR installer has not updated.

> **Note:** This step is only required after your initial 8.0.x MR installation, and only if you have InstallCPWebService CMD files different from those listed below.

You must perform this step on your Costpoint 8.0 WebLogic application server as well as any WebLogic server node(s).

The following are the Costpoint 8.0 InstallCPWeb Service CMD files that the MR installer updates:

- SET SERVICE_NAME="Costpoint 7.1 xxx" becomes SET SERVICE_NAME="**Costpoint 8.0 xxx**"
- **InstallCPWebasService.cmd**
- **InstallCPWebNodeAsService.cmd**
- **InstallCPWebNodeAsServiceDEServer1.cmd**
- **InstallCPWebNodeAsServiceDEServer2.cmd**
- **InstallCPWebNodeAsServiceDEServer3.cmd**
- **InstallCPWebNodeAsServiceDEServer4.cmd**
- **InstallCPWebNodeAsServiceDEServer5.cmd**

If you have any other **InstallCPWebService CMD** files, you must manually update them to the new SERVICE_NAME.

This is a one-time update, only required the first time that you install an MR. For all future MR installations the SERVICE_NAME will already be at Costpoint 8.0 and not require any further changes.

To reconfigure any Costpoint 8.0 Windows service CMD files:

1. Edit **InstallCPWebNodeAsServicexxx.cmd**.
2. Change SET SERVICE_NAME="Costpoint 7.1 xxx" to **SET SERVICE_NAME="Costpoint 8.0 xxx"**
3. Save **InstallCPWebNodeAsServicexxx.cmd**.

Re-Install Costpoint 8.0 Windows Service

This section provides instructions for re-installing the Costpoint 8.0 Windows service on any WebLogic nodes. Successful completion of the MR installer should automatically uninstall your Costpoint 7.1 Windows service and install the Costpoint 8.0 Windows service.

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

You must perform this step on your Costpoint 8.0 WebLogic application server for any WebLogic server nodes.

To re-install Costpoint 8.0 nodes to run as a Windows service:

1. Use Windows Explorer to navigate to the directory in which the Costpoint 8.0 software was installed (**C:\Deltek\Costpoint\80\bin**).

2. Right click **InstallCPWebAsService.cmd/InstallCPWebNodeAsService.cmd**, and then select **Run as administrator**.

Re-Configure and Start the Costpoint 8.0 Windows Service

This section provides steps for configuring the Costpoint 8.0 Windows service. (Successful completion of the MR installer should automatically uninstall your Costpoint 7.1 Windows service and install the Costpoint 8.0 Windows service.)

You must perform these steps on your Costpoint 8.0 WebLogic application server as well as any WebLogic server nodes.

To configure the Costpoint 8.0 Windows service:

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

2. On the Services window, scroll down the **Services** drop-down list, right-click the **Costpoint 8.0** service, and click **Properties** on the shortcut menu.

3. On the Costpoint 8.0 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 8.0 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 for Costpoint users for uploading and downloading files from within Costpoint.

6. On the Costpoint 8.0 Properties screen, click the General tab, and then click **Start** to start the Costpoint 8.0 service.

    The service immediately indicates that it is starting. However, it takes several minutes for the Costpoint 8.0 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\71\logs\DEServer.log file and report any errors to Deltek Costpoint Technical Support.

7. Click **OK** to close the Costpoint 8.0 Properties screen, and then close the Services window.

Update Costpoint Web Services (PMFG MES/SFT Clients)

Follow these steps to update the PMFG Web Services in Costpoint so that data can flow to and from Costpoint and SFT and MES.

You must perform these steps on your Costpoint WebLogic application server.

To update Costpoint Web Services:

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

2. In the Services window, scroll down the Services list and **Stop** the **Costpoint 8.0** service.

3. Close the Services window.

4. Click **Start » All Programs » Costpoint 8.0 » Start Costpoint 8.0 Integration Console**.

    > **Note:** Due to enhanced security in Windows Server, you should use the **Run as Administrator** option when launching this command, even if you have local administrative rights.

5. On the Costpoint Integration Login screen, configure the following options, then click **Login**:

Option	Action
User	Enter **CPSUPERUSER**.

Option	Action
Password	Enter the password for your CPSUPERUSER user.
System	Select your Costpoint system from the drop-down list, i.e. DELTEKCP.

6. Under Available Options, select **Modify Integration Console Properties**, and click **Next**.

7. On the Build Properties tab, select **Username Token** for Web Service Auth, Type.

8. On the Advanced Properties tab, select **All** for Show Web Services.

9. On the "System web services are intended to be used internally by Costpoint. Modifying or invoking them directly can break the integration with Costpoint." message, click **OK**.

10. Click **Save**.

11. Click **Close**.

12. Under Available Options, select **Build/Deploy Integration Modules (Web Services/EJBs)**, and click **Next**.

13. Click **Import…**.

14. On the Please select Web Service jar files you want to import screen, configure the following options, and then click **Next**.

    a. For Mode, select **Multiple**.

    b. For Web Service Folder, click **…**, and navigate to your **C:\Deltek\Costpoint\80\cpupdates\wspmfg\MES** folder. This folder was created and populated with the Costpoint MR installer.

    > **Warning:** Skip this step if you are NOT running Costpoint MES. Proceed to 17b below.

15. Click **Import**. The following Web Services will get deployed.

    - PCMINSPOBJBASE (MO QC Inspection Results)
    - PCMMOMNTOBJBASE (Manage Manufacturing Orders)
    - RCMINSPOBJBASE (QC Inspection)
    - RUMROUTOBJBASE (Routings)
    - CPWWSPCMMOISSOBJBASE (MO Issues Module)

16. When the "Hot fixes have been applied without errors." message displays, click **OK**.

17. On the Please select Web Service jar files you want to import screen, configure the following options, and then click **Next**.

    a. For Mode, select **Multiple**.

    b. For Web Service Folder, click **…**, and navigate to your **C:\Deltek\Costpoint\80\cpupdates\wspmfg\SFT** folder. This folder was created and populated with the Costpoint MR installer.

    > **Warning:** Skip this step if you are NOT running Costpoint SFT. Proceed to 20b below.

18. Click **Import**. The following Web Services will get deployed.

    - LDMTIME (Manage Timesheets)
    - PCMCOMP (MO Operation Completions)
    - PCMINSP (MO QC Inspection Results)

19. When the "Hot fixes have been applied without errors." message displays, click **OK**.

20. On the Please select Web Service jar files you want to import screen, configure the following options:

    a. For Mode, select **Multiple**.

    b. For Web Service Folder, click **…**, and navigate to your **C:\Deltek\Costpoint\80\cpupdates\wspmfg\SFTgeneric** folder. This folder was created and populated with the Costpoint MR installer.

    > **Warning:** Skip this step if you are NOT running Costpoint SFT 2.1. Proceed to 23 below.

    c. Click **Select**.

21. Click **Import**. The following Web Services will get deployed.

    - LDMTIME_GEN (Manage Timesheets)
    - PCMCOMP_GEN (MO Operation Completions)
    - PCMINSP_GEN (MO QC Inspection Results)

22. When the "Hot fixes have been applied without errors." message displays, click **OK**.

23. Click **Close**.

    > **Warning:** You need to reapply these Web Service files each time you install a new Costpoint MR.

24. Under Available Options, select **Modify Integration Console Properties**, and click **Next**.

25. On the Advanced Properties tab, select **Regular** for Show Web Services.

26. Click **Save**.

27. Click **Close**.

28. Click **Exit**.

29. Click **Start » All Programs » Administrative Tools » Services**.

30. In the Services window, scroll down the Services list and **Start** the **Costpoint 8.0** service.

31. Close the Services window.

Post-Installation

MR Installer Log Files

MR Installation logs are written to **C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer.**

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

C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer

> **DeltekCostpointMaintenanceReleaseSetup.log**
>
> **MR_Installer_Logs.html**
>
> **MR_Setup_ErrorSummaryResults.log**
>
> **MR_Setup_SummaryResults.log**

> **C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer\APIs**
>
> > **CreateAESKeys.log**
> >
> > **RegisterRestFulWS.log**
> >
> > **RemoveSessionActuateApiEjb.log**
> >
> > **RenameExternalTe80Api.log**
> >
> > **Update2NewSecurityProvider.log**
> >
> > **UpdateDedicatedEjbsUrls.log**
> >
> > **UpdateTestTableForBpTePoolsApi.log**
> >
> > **UpgradeTo80ConfigFileApi.log**
> >
> > **MRLinkViews_<System>.log**
> >
> > **<Database Server>_<Instance>_<System>_MSSQLInstallMetadata.log**
> >
> > **<Database Server>_<System>_OracleInstallMetadata.log**

> > **C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer\APIs\ApplyMREngine_DB**
> >
> > > **apply_db_<System>_<Date>_<Time>.log**
> > >
> > > **apply_db_summary_<Date>_<Time>.log**
> > >
> > > **ApplyMREngineDB_result_xml.log**

> > **C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer\APIs\ApplyMREngine_RMENU**
> >
> > > **ApplyMREngineRMENU_<System>_result_xml.log**
> > >
> > > **menu_n_ext_<System>_<Date>_<Time>.log**
> > >
> > > **menu_n_ext_summary_<Date>_<Time>.log**

> > **C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer\APIs\DSMScripts**
> >
> > > **<Database Server>_<ORA Port>_<CPAdminDB/Service Name>_<MSS/Oracle>DBScripts.log**
> > >
> > > **<Database Server>_<ORA Port>_<CPSystemDB/Service Name>_<MSS/Oracle>DBScripts.log**
> > >
> > > **<Database Server>_<ORA Port>_<CPTransDB/Service Name>_<MSS/Oracle>DBScripts.log**
> > >
> > > **<Database Server>_<ORA Port>_<PLTransDB/Service Name>_<MSS/Oracle>DBScripts.log**

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**<Database Server>_<ORA Port>_<TETransDB/Service Name
>_<MSS/Oracle>Scripts.log**

C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer\APIs\Logins

CreatePLLinkUser_<System>_<BPTransDB>_<CPLinkUser>.log

CreatePLUserOnCPTransDB_<System>_<CPTransDB>_<BPUser>.log

**CreatePLUserOnTEDB_<System>_<TETransDB>_<BPUser>.log**

CreateTEUserOnCPTrans_<System>_<CPTransDB>_<TEUser>.log

CreateTELinkUser_<System>_<TETransDB>_<CPLinkUser>.log

C:\Program Files\Deltek\Costpoint\8.0.1\Logs\MR_Installer\InstallerLogArchive

Select the **Launch the HTML page containing the installer log files** on the Installer Summary Results screen to launch the following page:
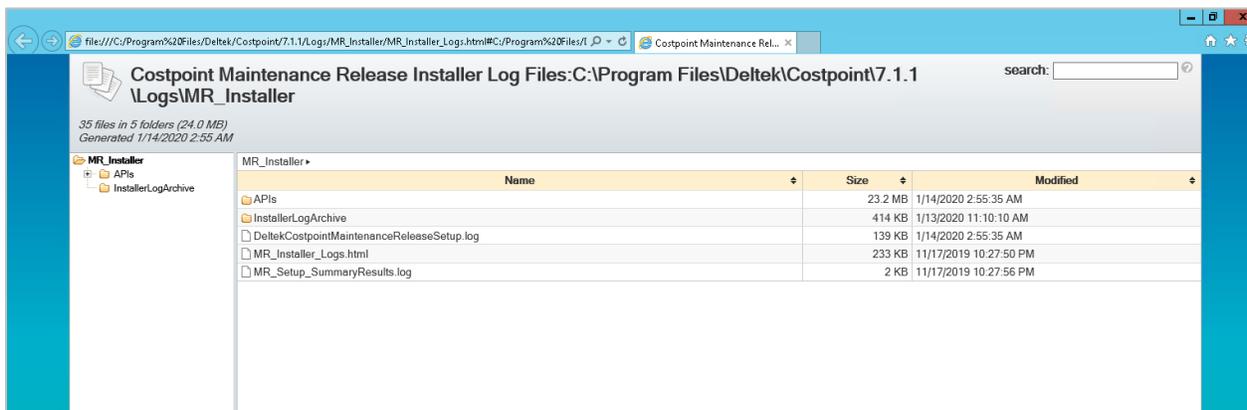
The following table provides the list of log files generated during the MR Installation, The folder they are under, along with a description of each, as well as what to look for when reviewing them:

Log Name	Description	What to Look For
C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer		
MR_Installer_Logs.html	HTML Page showing all MR installer log files and locations (Chrome or Firefox Recommended).	List of log files.
DeltekCostpointMaintenanceReleaseSetup.log	Main MR installation Log File. Shows detailed results of all processes executed in the installer. (Multiple log files for this, older ones from previous MR installer runs stored under InstallerLogArchive folder.)	Date and Build number at the top, Installation Success or failed at the bottom. Installation details, including metadata results, Error or Failed messages in between.

Log Name	Description	What to Look For
MR_Setup_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 MR installer runs stored under InstallerLogArchive folder.)	SUCCESS items, FAILED items with error messages, and/or Warning messages.
MR_Setup_ErrorSummaryResults.log	MR 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 MR 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\Costpoint\8.0\Logs\MR_Installer\APIs		
MRLinkViews_(SystemName).log	Log file containing details of Link Views process.	Will show error details if any at bottom.
(Database Server)_(Instance)_(System DB Name)_MSSQLInstallMetadata.log **(Database Server)_(System DB Name)_OracleInstallMetadata.log**	MR installer only, shows results of MetaData process.	Will show errors if any.
CreateAESKeys.log	Results of CreateAESKeys API execution when converting 3DES to AES encryption in toolconnection.properties file if needed.	Will show success or fail or nothing to do.
RegisterRestFulWS.log	Results of RegisterRestFulWS API execution. This will add restfulwsejb.jar entry to application.xml file if it does not already exist.	Will show results of process, or nothing to do, and will show error messages at bottom if any.
RemoveSessionActuateApiEjb.log	Results of RemoveSessionActuateApiEjb API execution. This will remove references of unused sessionactuateapiejb.jar file and references from xml files.	Will show results of process, or nothing to do, and will show error messages at bottom if any.
RenameExternalTe80Api.log	Results of RenameExternalTe80Api API execution. This will convert external, stand-alone TE schemas to be external versions in enterprise.properties and C:\Deltek\Costpoint\80\delteke\config\jdbc folder.	Will show results of process, or nothing to do, and will show error messages at bottom if any.

Log Name	Description	What to Look For
Update2NewSecurityProvider.log	Results of Update2NewSecurityProvider API execution. This API adds/removes security authenticator's support within our config.xml.	Will show results of authenticators that were added or removed, nothing to do, or error messages at bottom if any.
UpdateDedicatedEjbsUrls.log	Results of UpdateDedicatedEjbsUrls API. This API reads/updates the enterprise.properties for dedicated server URLs and updates as needed.	Will show results of process, nothing to do, or error messages at bottom if any.
UpdateTestTableForBpTePoolsApi.log	Results of UpdateTestTableForBpTePoolsApi. This API updates test table for B&P and TE JDBC pools process.	Will show results of process, nothing to do, or error messages at bottom if any.
UpgradeTo80ConfigFileApi.log	Results of UpgradeTo80ConfigFileApi. This API renames Costpoint/71 folder to Costpoint/80 as well as all references of that folder in the Costpoint configuration files.	Will show results of process, true or false that it has something to update, or error messages at bottom if any.
C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer\APIs\ApplyMREngine_DB		
apply_db_(SystemName)_YYYY_MM_DD_TT_TT.log	Results of ApplyMREngine Database API. These logs will show the results of the execution of Patches, Stored Procedures, and Dynamic Data. (Multiple log files for this, older ones from previous MR installer runs stored under InstallerLogArchive folder.)	Will show patches already applied and results of patches, SPs and DD that were applied during the MR install process. Will show success results along with any error messages if any. Any Error messages about DROP procedure not existing can be ignored.
apply_db_summary_YYYY_MM_DD_TT_TT.log	A quick summary of the results of Patches, SPs and DD applied on the date of the log file. (Multiple log files for this, older ones from previous MR installer runs stored under InstallerLogArchive folder.)	Contains summary of system name and time references for DB application process, DB Wizard version number and whether or not Parallel mode was used.

Log Name	Description	What to Look For
ApplyMREngineDB_result_xml.log	An XML summary used by the installer to determine success or failure of the different processes executed.	Will show a 1 for success or 0 for failure or nothing needed in the case of LinkViews.
C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer\APIs\ApplyMREngine_RMENU		
ApplyMREngineRMENU_(SystemName) _result_xml.log	An XML summary used by the installer to determine success or failure of the different processes executed.	Will show a 1 for success or 0 for failure.
menu_n_ext_(SystemName)_YYYY_MM_DD_TT_TT.log	Summary of rebuilding User Menus and Reviewing/Refreshing Extensibility. (Multiple log files for this, older ones from previous MR installer runs stored under InstallerLogArchive folder.)	Will shows start and end of process and error messages if any.
menu_n_ext_summary_ YYYY_MM_DD_TT_TT.log	A quick summary of the results of Rebuild User Menus API applied on the date of the log file.	Will shows start and end of process and error messages if any.
C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer\APIs\DSMScripts		
\<Database Server\>_\<ORA Port\>_\<CPAdminDB/Service Name\>_\<MSS/Oracle\>DBScripts.log	Summary of any dynamic or rollback scripts that execute during MR installation.	Will show start and end of process and error messages if any, as well as $DBSUCCESS=TRUE at the end.
\<Database Server\>_\<ORA Port\>_\<CPSystemDB/Service Name\>_\<MSS/Oracle\>DBScripts.log	Summary of any dynamic or rollback scripts that execute during MR installation.	Will show start and end of process and error messages if any, as well as $DBSUCCESS=TRUE at the end.
\<Database Server\>_\<ORA Port\>_\<CPTransDB/Service Name\>_\<MSS/Oracle\>DBScripts.log	Summary of any dynamic or rollback scripts that execute during MR installation.	Will show start and end of process and error messages if any, as well as $DBSUCCESS=TRUE at the end.
\<Database Server\>_\<ORA Port\>_\<PLTransDB/Service Name\>_\<MSS/Oracle\>DBScripts.log	Summary of any dynamic or rollback scripts that execute during MR installation.	Will show start and end of process and error messages if any, as well as $DBSUCCESS=TRUE at the end.

Log Name	Description	What to Look For
<Database Server>_<ORA Port>_<TETransDB/Service Name>_<MSS/Oracle>DBScripts.log	Summary of any dynamic or rollback scripts that execute during MR installation.	Will show start and end of process and error messages if any, as well as $DBSUCCESS=TRUE at the end.
C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer\APIs\Logins		
CreatePLLinkUser_(SystemName)_(BPTransDB)_(CPLinkUser).log	Summary of Login User creation for Link Views among Costpoint, Time & Expense, and Planning. This one is creating the Planning Link User.	Will show start and end of process and error messages if any, or that the CP712LINK_USER login already exists in the master database.
CreatePLUserOnCPTransDB_(SystemName)_(CPTransDB)_(B PUser).log	Summary of Login User creation for Link Views among Costpoint, Time & Expense, and Planning. This one is creating the PL User on the CP Trans DB.	Will show start and end of process and error messages if any, or that the CPBP login already exists in the master database
CreatePLUserOnTEDB_(SystemName)_(TETransDB)_(BPUser).log	Summary of Login User creation for Link Views among Costpoint, Time & Expense, and Planning. This one is creating the PL User on the TE Trans DB.	Will show start and end of process and error messages if any, or that the CPBP login already exists in the master database
CreateTEUserOnCPTrans_(SystemName)_(CPTransDB)_(TEU ser).log	Summary of Login User creation for Link Views among Costpoint, Time & Expense, and Planning. This one is creating the TE User on the CP Trans DB.	Will show start and end of process and error messages if any, or that the TC_0001 login already exists in the master database
CreateTELinkUser_(SystemName)_(TETransDB)_(CPLinkUser).log	Summary of Login User creation for Link Views among Costpoint, Time & Expense, and Planning. This one is creating the TE Link User.	Will show start and end of process and error messages if any, or that the CP712LINK_USER login already exists in the master database
C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer\InstallerLogArchive		
C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer\InstallerLogArchive\APIs\ApplyMREngine_DB		
C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer\InstallerLogArchive\APIs\ApplyMREngine_RMENU		

Log Name	Description	What to Look For
C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer\InstallerLogArchive\APIs\Metadata		
C:\Program Files\Deltek\Costpoint\8.0\Logs\MR_Installer\InstallerLogArchive\APIs\MRLinkViews		
	Copies of current log files will be moved to these folders when you run future MRs.	

MR Installer Silent Install Parameters

For those looking to integrate into automation or orchestration platforms there are command line parameters that can be enabled to run the MR Installer without going through the GUI interface.

> **Note:** If you have both Oracle and SQL Server RDBMS versions on the same Database Server (meaning they have same Database Server name), silent install will only work if you run each set of systems separately. Different RDBMS platforms cannot be run silently in the same run.
>
> There are no issues running with the GUI interface, this is a silent install restriction only.

Setup.iss must be in the same folder as the MR Installer executable. This file was downloaded from DSM when you downloaded the DeltekCostpointMaintenanceRelease_8.0.x.nnnn.exe installer. You can find it in the Documentation folder.

Example for silent install with a SINGLE SYSTEM:

start /wait DeltekCostpointMaintenanceRelease_8.0.8.1007.exe /s /z"systemnames=DELTEKCP" /z"instancestring=[[serverName=CPSQLPC1][port=1433][instanceName=CPSYSTEM][saUserId=sa][saPass=Password1]]" /z"primary=true" /f1"C:\Users\Administrator\Desktop\setup.iss"

Example for silent install with MULTIPLE SYSTEMS:

Start /wait DeltekCostpointMaintenanceRelease_8.0.8.1007.exe /s /z"systemnames=DELTEKCP,DELTEKCP2" /z"instancestring=[[serverName=CPSQLPC1][port=1433][instanceName=CPSYSTEM][saUserId=sa][saPass=Password1]][[serverName=CPSQLPC2\SQL2014][port=1433][instanceName=CPSYSTEM_2014][saUserId=sa][saPass=Password1]]" /z"primary=true" /f1"C:\Users\Administrator\Desktop\setup.iss"

Example for silent install on SECONDARY Node:

start /wait DeltekCostpointMaintenanceRelease_8.0.8.1007.exe /s /z"secondary=true" /f1"C:\Users\Administrator\Desktop\setup.iss"

Example for silent install on Web Tier:

start /wait DeltekCostpointMaintenanceRelease_8.0.8.1007.exe /s /z"webtier=true" /z"iiswebsite=Default Web Site" /f1"C:\temp\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 where the required **setup.iss** file is located.	
/z"systemnames="	Use this parameter to indicate the System(s) to be updated with the MR. Single system name or delimited system names, separated by a comma. ▪ Single System example: DeltekCostpointMaintenanceRelease_8.0.8.1007.exe **/z"systemnames=DELTEKCP1"** ▪ Multiple Systems example: DeltekCostpointMaintenanceRelease_8.0.8.1007.exe **/z"systemnames=DELTEKCP1,DELTEKCP2,DELTEKCP3"**	Y

Parameter Name	Description	Required?
/z"instancestring="	Use this parameter to indicate the Database Instances used in your configuration. This is used to execute Patches, Dynamic Data, Stored Procedures and LinkViews, using the SA username and Password on the specified database instance/host(s). Format is the same for SQL Server and Oracle. See examples below: [[serverName=(servername\non-default SQL Instance)][port=(portnumber)][instanceName=(Meta DB Name or SERVICE NAME][saUserId=(SA or SYSTEM username)][saPass=(SA or SYSTEM password)]] ■ SQL Server Example (1 instance) **/z"instancestring=[[serverName=CPSQLPC1][port=1433][instanceName=CPSYSTEM][saUserId=sa][saPass=Password1]]"** ■ SQL Server Example (2 or more instances, there are no delimiters or spaces between multiple instance strings.) **/z"instancestring=[[serverName=CPSQLPC1\SQL2014][port=1433][instanceName=CPSYSTEM2][saUserId=sa][saPass=Password1]][[serverName=CPSQLPC2][port=1433][instanceName=CPSYSTEM3][saUserId=sa][saPass=Password1]]"** ■ Oracle Server Example (1 instance) **/z"instancestring=[[serverName=ORADB][port=1521][instanceName=PDBORCL][saUserId=SYSTEM][saPass=Password1]]"** ■ Oracle Server Example (2 or more instances, there are no delimiters or spaces between multiple instance strings.) **/z"instancestring=[[serverName=ORADB][port=1521][instanceName=PDBORCL][saUserId=SYSTEM][saPass=Password1]][[serverName=ORADB][port=1521][instanceName=PDBORCL2][saUserId=SYSTEM][saPass=Password2]]"**	Y
/z"iiswebsite=Default Web Site"	Use this parameter when upgrading to Costpoint 8.0. If IIS is installed on your App server you will need this parameter when running /z"primary=true". If IIS is on its own Web server you will need this parameter when running /z"webtier=true". In any event, this is only required when upgrading from CP 7.1 to 8.0. Once you are on CP 8.0 and just applying new MRs, this parameter is no longer needed.	
/z"skipapp=true"	Use this parameter to **not** extract files to the file system. This would include class files, EJBs, static html, JavaScript, and properties files. It does not apply to WL CPUs, or JDKs.	
/z"skipdb=true"	Use this parameter to **not** apply patches, dynamic data, or stored procedures.	
/z"skipweb=true"	Use this parameter to **not** apply Costpoint DEWebApp OR Costpoint Web Tier DEWebApp files (same as **/skipdewebapp=true**).	
/z"skipmeta=true"	Use this parameter to **not** import metadata into CPSYSTEM(s).	
/z"skiplinkviews=true"	Use this parameter to **not** execute LinkViews, generate menu data, or validate extensibility.	
/z"skiptelicensecheck=true"	Use this parameter to indicate all of the external, stand-alone TE schemas are properly not licensed in your Costpoint systems. Without this parameter the silent installer will provide a list of all Costpoint Systems with external, stand-alone TE schemas without licenses for you to review.	

Parameter Name	Description	Required?
/z"startversion="	Use this parameter to **not** re-apply previous MR database archives that have already been installed. If valid MR version number, MR will extract and apply this version + all forward versions. Example: **/z "startversion=8.0.4"** In this case, if we were installing the 8.0.5 MR, extract patches from the 8.0.4 archive, but skip the already applied 8.0.2 and 8.0.3 archives, reducing installation time.	
/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"webtier=true"	Use this parameter on IIS Web server(s) to upgrade Costpoint/71 folder to Costpoint/80 or to apply DEWebApp changes to IIS server(s) in your DMZ.	
/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 <u>**not**</u> display the status window shown below, during silent install.	
/z"filedynamicdownload=true"	Use this parameter to download the required parameter files (DeltekCostpoint80RequirementsINI.exe, DeltekCostpoint80MRSupportFiles.exe) when your application server does not have Internet access.	
/z"skiponline=true"	Use this parameter when your application or web server does not have Internet access to prevent the MR installer from trying to access DSM to download the required parameter files. You will need to have already downloaded them and copied them to your application/web server in the same folder as the MR installer EXE.	

Silent install will show this type of status box as it proceeds through each Feature:
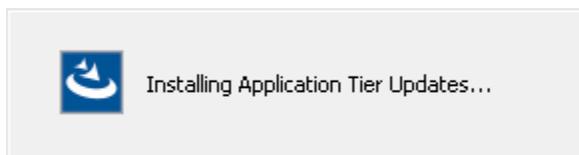
Troubleshooting Instructions

Troubleshooting instructions for problems with the Maintenance Release installation are detailed in this section.

Costpoint 8.0 Windows Service Will Not Start

Try reinstalling and reconfiguring the Costpoint 8.0 Windows service by running C:\Deltek\Costpoint\80\bin**InstallCPWebasService.cmd** (remember to Run as Administrator).

CPWeb DEWebApp Copy FAILED: Cannot Create a File When that File Already Exists

A lock might exist on a Costpoint DEWebApp IIS file. You may need to restart or stop IIS.

Make sure there are no file locks through **Computer Management » Shared Folders » Open Files**.

If you have tried all the suggestions listed above and still see locked files, you can select and close open files from there.

After there are no locked files, re-run the **DeltekCostpointMaintenanceRelease_8.0.x.nnnn.exe**, selecting the **Web Tier Feature** only.

Latest Installer Files Download Instructions

The instructions to download the latest **DeltekCostpoint80MRSupportFiles.exe** and **DeltekCostpoint80RequirementsINI.exe** files are detailed in this section. Each installer will automatically download the applicable files if your servers have Internet access. If your servers do not, you will need to run this step.

You must perform this step on any machine that has Internet access.

To download the required MR Installer files:

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

    DeltekCostpointMaintenanceRelease_8.0.3.1003.exe /z"filedynamicdownload=true"

    You will see a screen similar to the following.
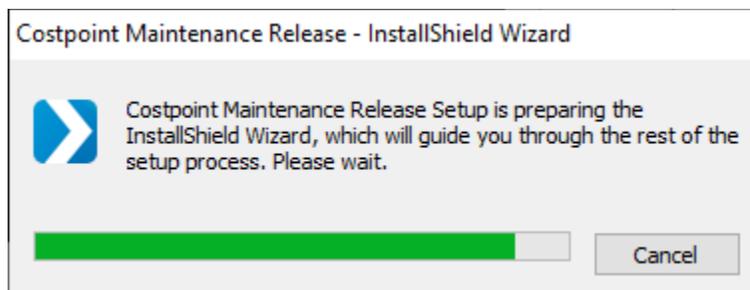
2. After the files download, a message similar to the following displays. Click **OK**.
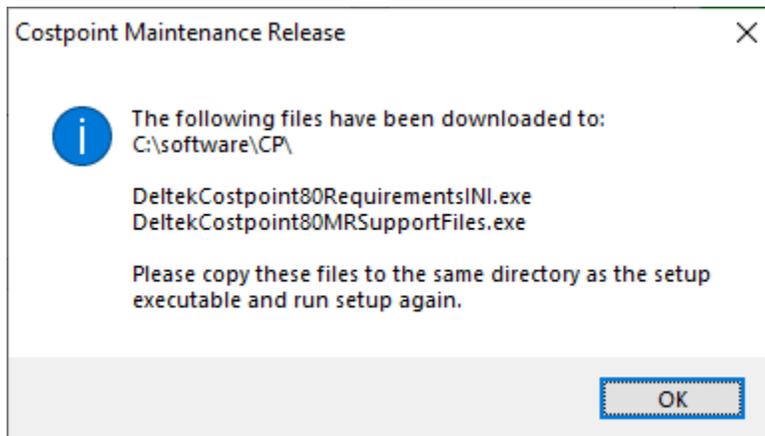
3. Copy the downloaded **DeltekCostpoint80MRSupportFiles.exe**/
DeltekCostpoint80RequirementsINI.exe files to your server, in the same folder as your MR
'.exe' installer file.

4. When running the MR Installer on your application servers/nodes, invoke this applicable
command:

DeltekCostpointMaintenanceRelease_8.0.3.1003.exe /z"skiponline=true"

About Deltek

Better software means better projects. Deltek delivers software and information solutions that enable superior levels of project intelligence, management and collaboration. Our industry-focused expertise makes your projects successful and helps you achieve performance that maximizes productivity and revenue. www.deltek.com

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