Deltek

Deltek Time & Expense with Employee Self Service™

Version 9.0.1
WebLogic Patch Installation Guide

November 16, 2020

Contents

Installation Overview

This document provides instructions for downloading and deploying the latest Oracle WebLogic 12.1.3 security patch for Time & Expense 9.0.1. This installation will have you apply the latest WebLogic patch to each of your WebLogic servers (you may have a cluster of multiple WebLogic Application servers).

Deltek has been working on a solution to address the ongoing Oracle Critical Patches for WebLogic Server (WLS) 12.1.3. Oracle typically releases updates every quarter and we will be releasing subsequently once a full regression test is complete. Depending on the complexity of the changes Deltek will try to test/certify the patch within 90 days.

These are generic instructions for the October 2020 WLS 12.1.3 Critical Patch Updates and future Updates. Deltek will be posting the new Oracle WLS jar on DSM soon after Oracle does their release and we will do a quick check so that concerned clients can quickly patch their environments.

Installation Package Contents

The installation package contains the following:

- WebLogic patch ZIP file
- Deltek Time And Expense 9.0.1 WebLogic Patch Installation Guide

Installation Prerequisites

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

- Your Time & Expense databases must be at version 9.0.1.
- WebLogic version 12.1.3 must be installed.

Internet Information

Software corrections and enhancements (hot fixes) are available for download from the Deltek Software Manager (DSM). DSM is the only location where hot fix files can be downloaded. Deltek Knowledge Base articles explain if the fixes still exist, but they will contain links to DSM for retrieval of the actual files.

Deltek Software Manager Requirements

DSM can be run from any desktop. In other words, it does not have to be run on Deltek application servers. In order to run DSM, your system must meet the following requirements:

- Windows XP or later
- Microsoft .NET Framework 3.5 (SP1)
    - The Deltek Knowledge Base article below contains a link to download location for the framework. It also contains some examples of what you may see if you do not have the framework installed:

        https://deltek.custhelp.com/app/answers/detail/a_id/52469
   - Refer to the **DeltekSoftwareManager.pdf** to learn more about DSM and how it works.

To connect to the Deltek Software Manager, complete the following steps:

1. From Internet Explorer, go to https://dsm.deltek.com.

2. Click **Run Deltek Software Manager**.

3. Log in using your Deltek Customer Care Connect credentials.

To view Knowledge Base articles, complete the following steps:

1. From Internet Explorer, go to http://www.deltek.com.

2. Click **Support » Customer Care Connect Site** on the navigation bar at the top of the screen.
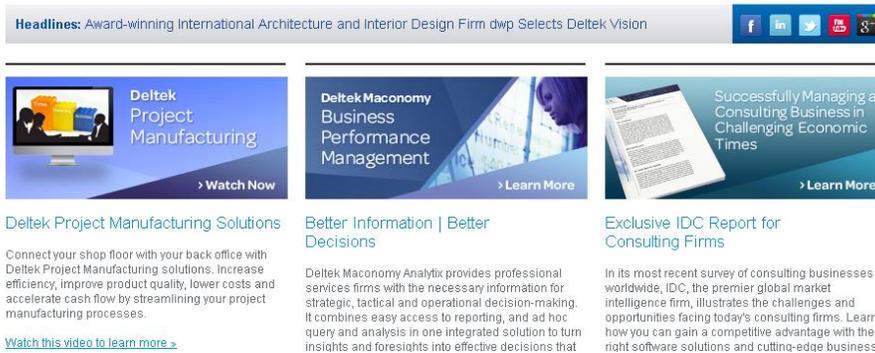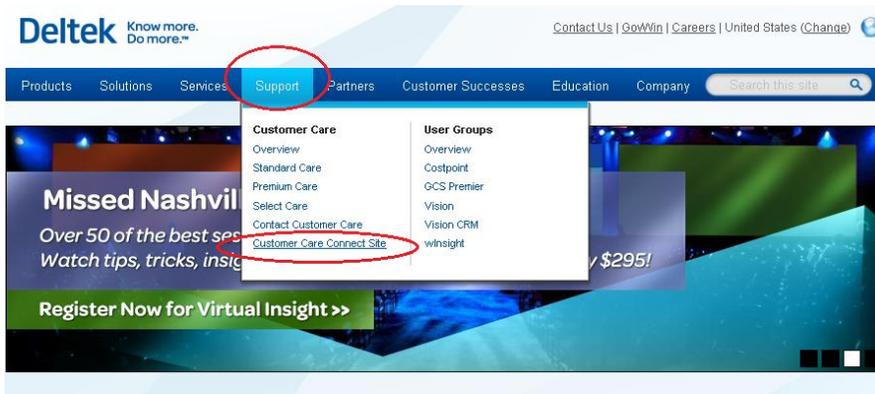
3. On the Deltek Customer Care Connect screen, perform the following actions:

Field	Action
Username	Enter your Support user name.
Password	Enter your Support user's password.

4. Click the **Login** button.

> If you have forgotten your user name or password, under the **Account Information** section, click the **Click Here** button under Account Assistance.
>
> ▪ If you have forgotten your user name, enter your email address and click the **Email My Username** button.
>
> ▪ If you have forgotten your password, enter your user name and click the **Reset My Password** button.

5. On the Customer Care Connect Home Page screen, under Support Resources, click the **Knowledge Center** link, and perform the following actions:

Field	Action
Refine by Product	Select **Time and Expense** from the drop-down list.
Refine by Category/Version	Expand **Service Pack / Hot Fix** from the drop-down list, and depending on your version, select **9.0 (SP1)**.
Search Type	Leave as **Phrases** or select your preferred search option from the drop-down list.
Search by Keyword	Enter the specific text you are looking for or leave the field blank to return all records for this version.

6. Click the **Search** button.

7. When the search results display, perform the following actions:

   ▪ In the Summary column, click the link for the desired correction.

   ▪ When the desired correction loads, scroll down to the bottom of the article and click the **here** link under the **Download** section to download the files.

WebLogic Patch Installation

This step provides instructions for applying the latest WebLogic 12.1.3 patch. You must perform this step on your Time & Expense 9.0.1 WebLogic application server, and any Time & Expense 9.0.1 WebLogic application server nodes.

> **Warning:** If you are running a WebLogic 12.1.3 cluster, you must repeat <u>ALL</u> of these steps on <u>each</u> of your WebLogic 12.1.3 servers.

To patch WebLogic 12.1.3

1. Download patch file **p31544363_121300_MSWIN-x86-64.zip** and the latest patch file **pXXXXXXXX_121300_Generic.zip** (i.e., p31656851_121300_Generic.zip) from DSM.

2. If exists, download the additional WebLogic 12.1.3 CVE patch, **pXXXXXXXX_12130XXXXXX_Generic.zip**, that may get applied on top of the current quarters CPU patch (i.e., p32097177_1213020120_Generic.zip).

3. Copy download ZIPs to **C:\Oracle\Middleware12.1.3\patches** folder.

4. On Windows, click **Start » Administrative Tools » Services**.

5. On the Services screen, scroll down the **Services** list and **Stop** the **Time & Expense with ESS 9.0** service.

6. Close the Services window.

7. Open a DOS CMD window and navigate to the C:\Oracle\Middleware12.1.3\patches folder.

Perform these additional one-time steps if they have never been done before:

8. Unzip the MSWIN patch file by running the following command, where C:\Oracle\jdk1.8.0_261 is pointing to your JDK folder and C:\Oracle\Middleware12.1.3 is pointing to your WebLogic installation folder. Clients should NOT use WinZip to perform this step as path generated is too long:

   C:\Oracle\jdk1.8.0_261\bin\jar -xvf p31544363_121300_MSWIN-x86-64.zip

9. Open a DOS CMD window and run the following commands to install the patch, where C:\Oracle\jdk1.8.0_261 is pointing to your JDK folder and C:\Oracle\Middleware12.1.3 is pointing to your WebLogic installation folder and C:\Oracle\Middleware12.1.3\patches\31544363 is the folder from the previous step that the unzip command created:

   set ORACLE_HOME=C:\Oracle\Middleware12.1.3

   cd C:\Oracle\Middleware12.1.3\patches\31544363

   C:\Oracle\Middleware12.1.3\OPatch\opatch apply -jdk C:\Oracle\jdk1.8.0_261

   Follow the prompts.

All WebLogic 12.1.3 users continue here:

10. Unzip the generic file by running the following command, where C:\Oracle\jdk1.8.0_261 is pointing to your JDK folder and C:\Oracle\Middleware12.1.3 is pointing to your WebLogic installation folder. Clients should NOT use WinZip to perform this step as path generated is too long:

    C:\Oracle\jdk1.8.0_261\bin\jar -xvf pXXXXXXXX_121300_Generic.zip

(i.e., C:\Oracle\jdk1.8.0_261\bin\jar -xvf p31656851_121300_Generic.zip)

11. Open a DOS CMD window and run the following commands to install the generic patch, where C:\Oracle\jdk1.8.0_261 is pointing to your JDK folder and C:\Oracle\Middleware12.1.3 is pointing to your WebLogic installation folder and C:\Oracle\Middleware12.1.3\patches\31656851 is the folder from the previous step that the unzip command created:

   set ORACLE_HOME=C:\Oracle\Middleware12.1.3

   cd C:\Oracle\Middleware12.1.3\patches\31656851

   C:\Oracle\Middleware12.1.3\OPatch\opatch apply -jdk C:\Oracle\jdk1.8.0_261

   Follow the prompts.

12. If exists, unzip the additional WebLogic 12.1.3 CVE patch file by running the following command, where C:\Oracle\jdk1.8.0_261 is pointing to your JDK folder and C:\Oracle\Middleware12.1.3 is pointing to your WebLogic installation folder. Clients should NOT use WinZip to perform this step as path generated is too long:

   C:\Oracle\jdk1.8.0_261\bin\jar -xvf pXXXXXXXX_12130XXXXXX_Generic.zip

   (i.e., C:\Oracle\jdk1.8.0_261\bin\jar -xvf p32097177_12130201020_Generic.zip)

13. Open a DOS CMD window and run the following commands to install the generic patch, where C:\Oracle\jdk1.8.0_261 is pointing to your JDK folder and C:\Oracle\Middleware12.1.3 is pointing to your WebLogic installation folder and C:\Oracle\Middleware12.1.3\patches\32097177 is the folder from the previous step that the unzip command created:

   set ORACLE_HOME=C:\Oracle\Middleware12.1.3

   cd C:\Oracle\Middleware12.1.3\patches\32097177

   C:\Oracle\Middleware12.1.3\OPatch\opatch apply -jdk C:\Oracle\jdk1.8.0_261

   Follow the prompts.

14. If you are running Kerberos on SSL, download **bcprov-jdk16-1.45.jar** from DSM.

15. If you are running Kerberos on SSL, copy **bcprov-jdk16-1.45.jar** to your **C:\Oracle\Middleware12.1.3\oracle_common\modules** folder, replacing the existing one.

16. On Windows, click **Start » Administrative Tools » Services**.

17. On the Services screen, scroll down the **Services** list and **Start** the **Time & Expense with ESS 9.0** service.

18. Close the Services window.

Warning: If you are running a WebLogic 12.1.3 cluster, you must repeat <u>ALL</u> of these steps on <u>each</u> of your WebLogic 12.1.3 servers.

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Appendix: If You Need Assistance

If you need assistance installing, implementing, or using Deltek Time & Expense with Employee Self Service, 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.

About Deltek

Better software means better projects. Deltek is the leading global provider of enterprise software and information solutions for project-based businesses. More than 23,000 organizations and millions of users in over 80 countries around the world rely on Deltek for superior levels of project intelligence, management and collaboration. Our industry-focused expertise powers project success by helping firms achieve performance that maximizes productivity and revenue. www.deltek.com

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