

Deltek Touch Time & Expense for Vision 1.4.1

Technical Installation Guide

April 2015

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Overview

Deltek Touch Time & Expense for Vision is a time-tracking tool that allows you to enter, update, submit, and view timesheet data and expense reports from anywhere at any time using your Android and iOS devices. To use the application, the Touch Server component must be installed into your Vision infrastructure (on your existing Vision application server or a separate server).



The official name of the application is *Deltek Touch Time & Expense for Vision*. This document only uses it at first mention. The succeeding instances of the application name display *Touch Time & Expense*.

In addition, the application name in *Google Play*, *Apple App Store*, and *Windows Store* displays *Deltek Touch T & E for Vision*.

This document provides instructions for the installation and configuration of the Touch Time & Expense.

If You Need Assistance

If you need assistance installing, implementing, or using Touch Time & Expense for Vision, Deltek makes a wealth of information and expertise readily available to you.

Customer Services

For over 20 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 Customer Care Connect Web portal.
- Phone and email support from Customer Care analysts
- Technical services
- Consulting services
- Custom programming
- Classroom, on-site, and Web-based training



Find out more about these and other services from the [Customer Care Connect site](#).

Customer Care Connect Site

The Deltek Customer Care Connect site is a support Web portal for Deltek customers who purchase an Ongoing Support Plan (OSP).

The following are some of the many options you have at the Customer Care Connect site:

- Download the latest versions of your Deltek products
- Search Deltek's knowledge base
- Ask questions, exchange ideas, and share knowledge with other Deltek customers through the Deltek Connect Customer Forums
- Display or download product information, such as release notes, user guides, technical information, and white papers
- Submit a support case and check on its progress
- Transfer requested files to a Customer Care analyst
- Use Quick Chat to submit a question to a Customer Care analyst online
- Subscribe to Deltek communications about your Deltek products and services
- Receive alerts of new Deltek releases and hot fixes



If you need assistance using the [Customer Care Connect site](#), the online help available on the site provides answers for most questions

Access Customer Care Connect

To access the Customer Care Connect site, complete the following steps:

1. Go to <http://support.deltek.com>.
2. Enter your Customer Care Connect **Username** and **Password**.
3. Click **Log In**.



If you do not have a username and password for the Customer Care Connect site, contact your firm's Touch Time & Expense for Vision Administrator.

If you forget your username or password, you can click the **Account Assistance** button on the login screen for help.

Additional Documentation

The following table lists the additional Deltek documentation available for this release. Except where noted, all the user guides and quick reference guides listed in this table are available for download from the Deltek Customer Care Connect site.

Document Name	Description
Deltek Touch Time & Expense for Vision User Guide	This document contains detailed information and instructions on how to use various features of the application.
Deltek Touch Time & Expense for Vision Release Notes	This document contains a summary of the technical considerations, major features, and known issues of the application.

Downloading Deltek Products using Deltek Software Manager

You can use Deltek Software Manager (DSM) to download complete Deltek products, hot fixes, and sub-releases. You can access DSM directly or through the Deltek Customer Care Connect site.

When you access DSM directly, you will be prompted to log on before you can access the application. If you access DSM from within the Deltek Customer Care site, you do not have to log on since you are already logged into the Customer Care site.

Accessing DSM Directly

To access Deltek Software Manager directly, complete the following steps:

1. Launch Deltek Software Manager by taking one of the following actions:
 - Click [here](#).
 - On your desktop, click **Start » All Programs » Deltek Software Manager**.
2. In the Deltek Software Manager logon dialog box, enter your Deltek Customer Care **User ID** and **Password**, and click **Logon**.
3. To select the folder where you want to download Deltek products, click **Settings** above the right pane of Deltek Software Manager.



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

4. Use the Settings dialog box to specify the folder where you want to download Deltek products, and click **OK**.



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

5. In the left pane of Deltek Software Manager, expand the Deltek product that you want to download, if it is not already expanded.



If you clicked the link in step 1 to access DSM, the application automatically selects Touch Time & Expense for Vision for you.

6. Select the product type that you want to download. Your options are **Complete**, **HotFix**, and **Sub-Release**.
7. In the table, select the check box that corresponds to the Deltek product that you want to download. The right pane displays a message stating that the product has been added to the download queue.



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

8. Click **Download** at the bottom of the left pane. Deltek Software Manager downloads the product to the folder that you selected.

Accessing DSM from within the Customer Care Connect Site

To access Deltek Software Manager from within the Customer Care Connect site, complete the following steps:

1. In your Web browser, go to <http://support.deltek.com>.
2. Enter your Customer Care Connect **Username** and **Password**, and click **Log In**.
3. When the Customer Care Connect site displays, click the Product Downloads tab.
You are automatically logged into Deltek Software Manager.
4. To select the folder where you want to download Deltek products, click **Settings** above the right pane of Deltek Software Manager.



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

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5. Use the Settings dialog box to specify the folder where you want to download Deltek products, and click **OK**.



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

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6. In the left pane of Deltek Software Manager, expand the Deltek product that you want to download, if it is not already expanded.
 7. Select the product type that you want to download. Your options are **Complete**, **HotFix**, and **Sub-Release**.
 8. In the table, select the check box that corresponds to the Deltek product that you want to download. The right pane displays a message stating that the product has been added to the download queue.



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

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9. Click **Download** at the bottom of the left pane. Deltek Software Manager downloads the product to the folder that you selected.

DSM Documentation and Troubleshooting

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



The above troubleshooting link will only work if you are logged into Deltek Customer Care Connect.

Prerequisites

Before you install Touch Time & Expense, it is important to understand the following information:

- Touch Time & Expense works with Vision 7.3 Cumulative Update #16 and Vision 7.4 Cumulative Update #04.



To use the full functionality of Touch Time & Expense, you must be on the latest Touch Server and Vision.

When installing Touch Time & Expense on a dedicated server, ensure that the Vision Web service URL (for example, <https://server.company.com/vision/visionservices.asmx>) can be accessed from the Touch Server. This includes ensuring that the required TCP/IP ports (for example, 443) are open and the Vision server can be resolved via DNS from the Touch Server.

You must own Vision Core.

- You must install Touch Time & Expense on an IIS server that is installed on Windows 2008, Windows Server 2008 R2, Windows Server 2012, or Windows Server 2012 R2.
- If you are going to access Touch Time & Expense from the Internet, open a port in your firewall to access the Touch Time & Expense virtual directory, which will be installed on the IIS server. Deltek recommends that you use HTTPS protocol in your production deployment. HTTPS encrypts the data in transit.







When Vision is not exposed to the Internet, a VPN can be used to connect the mobile device to the corporate network on which Vision resides to provide the connection needed for Touch Time & Expense. However, while the most common VPN configurations will most likely work without problems, Deltek has not tested all possible VPN types and configurations to ensure compatibility.

- When using Secure Sockets Layer (SSL), you must have a certificate issued by a trusted certificate authority. You must not use self-signed certificates. Wild card certificates are acceptable if they come from a trusted certificate authority.
- Touch Time & Expense supports applications from the *Apple App Store*, *Google Play*, and *Windows Store*. If you are using an unsupported version of Vision (compatibility mode), you may be able to use the native browser of your device to enter your organization's Touch Time & Expense URL.



The Touch Time & Expense URL has the format <https://<server>/deltektouch/vision/time>, where <server> refers to the host name of your Touch Server.

Compatibility Mode Definitions

Compatibility Mode	Description
Fully Compatible 	You must be on the latest version of each component (Touch Time & Expense application, Touch server, and API). All features and functions in the application are available to you.
Partially Compatible 	At least one of the components (Touch server and/or API) is an older version. Some features of the application are hidden and not available to you.
Browser Compatible 	At least one of the components (Touch server and/or API) is an older version. The current application does not work with the Touch server or API, but you can still use the application through the mobile browser.
Incompatible 	There are some combinations of API and Touch server that make it impossible to even use the browser version to run the application.

Native Application Version Compatibility

Touch Server \ Vision	7.4 CU #04	7.3 CU #16	7.4 CU #03 or Lower	7.3 CU #13 to CU #15	7.3 CU #12 or Lower	7.2 CU#14 or Higher	7.2 CU#13 or Lower	7.1 CU #11 or Higher	7.1 CU #11 or Lower	7.0 SP1 HF#6 or Higher	7.0 SP1 HF#5 or Lower	6.2
1.4.1												
1.4												
1.3												
1.2												
1.1												
1.0.X												

Supported Mobile Operating Systems

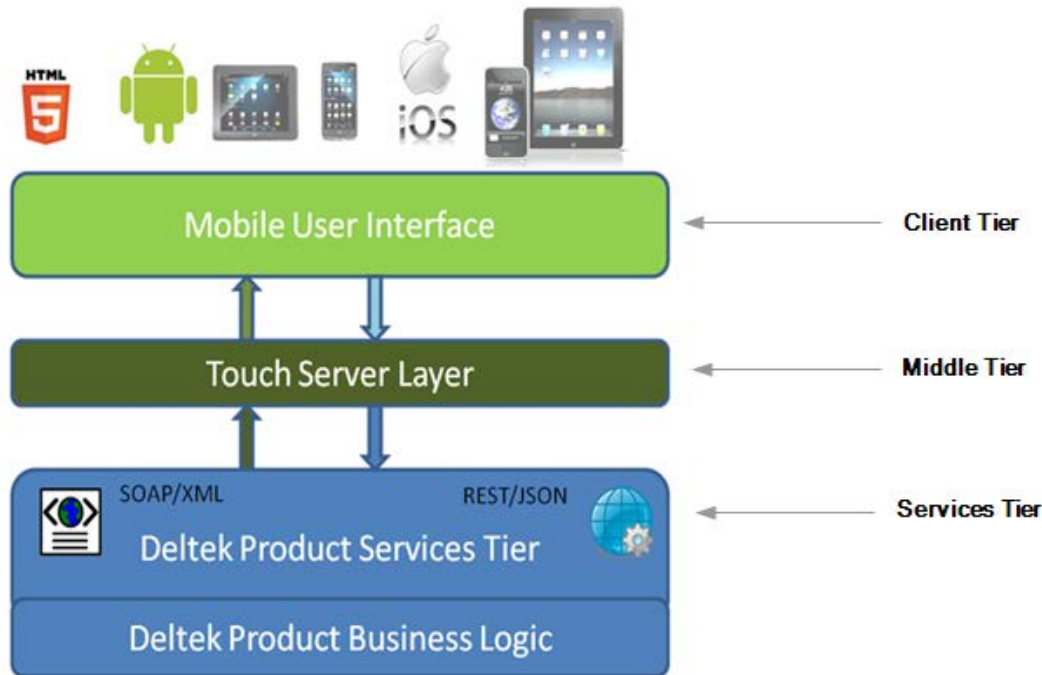
Touch Time & Expense supports mobile devices that run on the following operating systems:

- Apple iOS 7 and higher
- Android 4.x and higher
- Windows Phone 8.1 and higher

Touch Time & Expense Infrastructure

The Touch Time & Expense infrastructure is composed of the client tier, middle tier, and services tier.

Technical Platform



Client Tier and Middle Tier

Touch Time & Expense Server (middle tier) is used to optimize service delivery and provides a platform for future 3rd-party product integration. It is based on Sencha Touch, and uses JSON, Ajax, and PHP.

Touch Time & Expense Client (client tier) is a hybrid application and created using HTML 5 and CSS 3 but with the ability to access the native device capabilities using Apache Cordova (also known as PhoneGap).

Services Tier

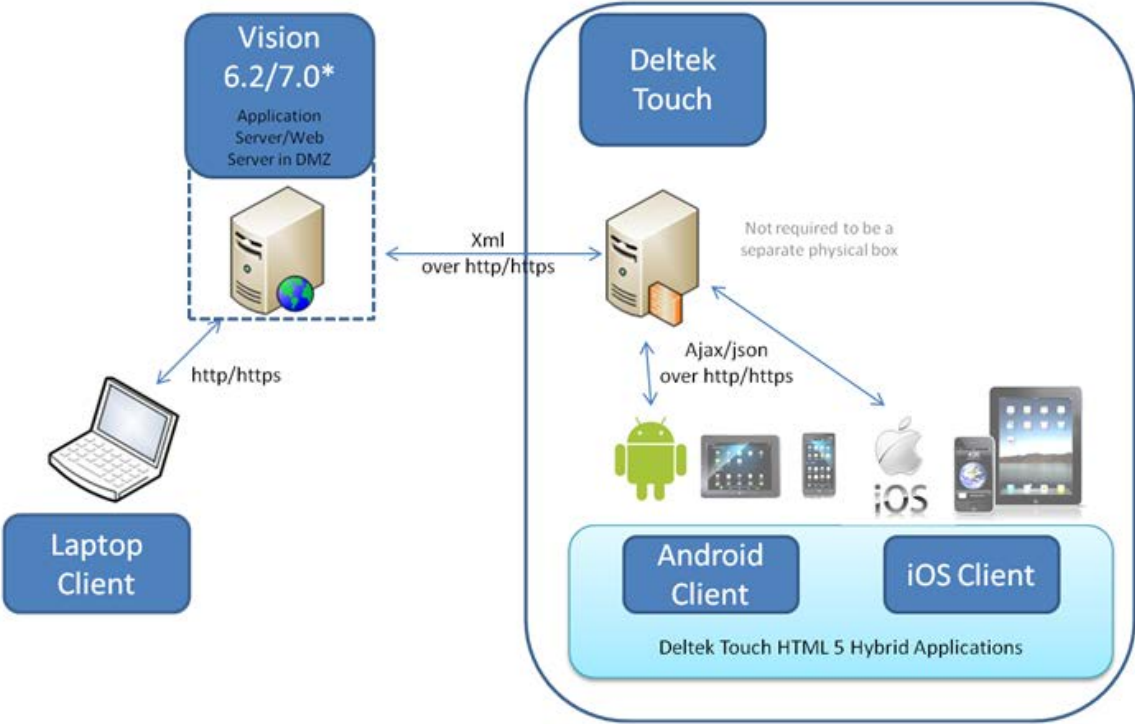
For Touch Time & Expense, the services tier corresponds to the Vision Web services.



It is not required to install Touch Time & Expense on a separate physical server.

Supported Deployment Scenarios

Touch Time & Expense may be installed on another IIS server or as a separate virtual directory on an existing Vision IIS Web server.



The version number (*) may vary, depending on the latest supported version(s) of Vision.

Deltek recommends the use of HTTPS protocol when transmitting data over the Internet. HTTPS encrypts the data in transit. This is even more important when using Windows Authentication.

Microsoft IIS Web Server Configuration on Windows 2008 Server

Perform this procedure if you are going to install the Touch Time & Expense application on Windows Server 2008. The Touch Time & Expense installer checks if Microsoft Internet Information Services (IIS) is already installed before proceeding with the installation. The installation terminates if IIS is not yet installed.



Touch Time & Expense requires Anonymous Authentication and does not support Basic Authentication.

To configure Microsoft IIS web server on Windows 2008 Server, complete the following steps:

1. Click **Windows » Start » Administrative Tools » Server Manager**.
2. Expand the **Roles** tree on the left pane, and click **Web Server (IIS)**.
3. When the Web Server (IIS) screen displays, click **Add Role Services** in the bottom right pane.
4. On the Select Role Services screen, perform the following actions:
 - Click **Web Server » Application Development**, and select **ISAPI Extensions** and **CGI**.
 - Click **Web Server » Management Tools**, and select **IIS Management Scripts and Tools**.
 - Click **Web Server » Management Tools » IIS 6 Management Compatibility**, and select **IIS 6 Metabase Compatibility**.
5. Click **Next**, and then click **Install**.
6. When the installation completes, click **Close**.
7. Expand the **Web Server (IIS)** tree on the left pane, and click **Internet Information Services (IIS) Manager**.
8. On the Internet Information Services (IIS) Manager screen, expand the IIS computer name icon on the left pane of the Internet Information Services (IIS) Manager window.
9. Right-click the IIS computer name icon, and select **Stop**.
10. Right-click the IIS computer name icon on the left pane of the Internet Information Services (IIS) Manager window, and select **Start**.
11. Close the Services Manager window.

Microsoft IIS Web Server Configuration on Windows 2012 Server

Perform this procedure if you are going to install the Touch Time & Expense application on Windows Server 2012. The Touch Time & Expense installer checks if Microsoft Internet Information Services (IIS) is already installed before proceeding with the installation. The installation terminates if IIS is not yet installed.



Touch Time & Expense requires Anonymous Authentication and does not support Basic Authentication.

To configure Microsoft IIS web server on Windows 2012 Server, complete the following steps:

1. From the desktop view, display the Charm Bar. To do this, take one of the following actions:
 - Move the cursor to the bottom right corner of the screen, which causes the bar to display on the right.
 - On your keyboard, press the Windows key + **C**.



For more information about Charm Bar, see the following link:
<http://windows.about.com/od/windowsforbeginners/a/Get-To-Know-The-New-Windows-8-Start-Menu.htm>.

2. Click **Start » Administrative Tools » Server Manager**.
3. On the left pane, click **IIS**.
4. On the right pane, scroll down to see the **ROLES and FEATURES** section.
5. From the **Tasks** drop-down list, select **Add Roles and Features**. The Add Roles and Feature Wizard displays.
6. Click **Next**.
7. Select the **Role-based or feature-based installation** option.
8. On the Select Destination Server page, verify if the **Select a server from the server pool** option is selected. Click **Next**.
9. On the Select server roles page, expand **Web Server (IIS) » Web Server » Application Development**, select **CGI** and **ISAPI** extensions.
10. On the Select server roles page, expand **Web Server (IIS) » Web Server » Management Tools**, and then select **IIS Management Scripts and Tools**.
11. On the Select server roles page, expand **Web server (IIS) » Web Server » Management Tools » IIS 6 Management Compatibility » IIS 6 Metabase Compatibility**.
12. Click on **Next**. The Select features page displays.
13. Click **Next**, and then click **Install**.

Touch Time & Expense Installation

Before you proceed, make sure that you downloaded the server component from Deltek Software Manager (DSM). Once the server part is installed, download the application from *Google Play*, *Apple App Store*, or *Windows Store* and install it in your device.



For more information about DSM, see [Downloading Deltek Products using Deltek Software Manager](#) in this document.

To install the Deltek Touch application, complete the following steps:

1. Run **DeltekTouchVisionTimeandExpense141.exe** to launch the Touch Time & Expense installation program.



Taking into consideration the enhanced security in Windows Server 2008, Deltek recommends selecting the **Run as Administrator** option when launching the installation executables even if you (as the logged-on user) has local administrative rights. You can access this option by right-clicking the installation executable file name in Windows Explorer and then clicking **Run as Administrator** on the shortcut menu.

2. On the Welcome to the Deltek Touch Vision Time & Expense 1.4.1 Installation Wizard page, click **Next**.
3. On the License Agreement page, review the license agreement, select the **I accept the terms of the license agreement** option, and click **Next**.
4. On the Choose Application Install Directory page, verify if the default location for the Deltek Touch software is correct, and click **Next**. Otherwise, click **Browse** to navigate to the installation folder.



The default folder is C:\Program Files (x86)\Deltek\Touch on a 64-bit machine and C:\Program Files\Deltek\Touch on a 32-bit machine.

5. *This step only applies if Vision is **NOT** installed in the same server as Touch Time & Expense.* On the IIS Website Information page, select or enter the default Web site and virtual directory name, and click **Next**. Wait until the installer finishes validating PHP.
6. On the Deltek Vision Web Services URL page, either enter the Web Services URL or accept the default value, and click **Next**.



- Your Vision server must end with `VisionServices.asmx`.
- When installing Touch Time & Expense on a dedicated server, ensure that the Vision Web service URL can be accessed from the Touch Server.

7. On the Customer Experience Improvement Program page, select the **Send Installation Data to Deltek** option if you want to participate.
8. On the Pre-Installation Summary page, review the installation details that you provided.
 - If you want to change any settings, click **Back**, and make the necessary updates.
 - If you are done, click **Install** to begin the installation.




If there are errors, the `DeltekTouchInstall.log` file displays.

9. During the installation process, one of the following scenarios occur on the Setup Status page:
 - If you do not have Microsoft Visual C++ installed in your computer, the Microsoft Visual C++ Redistributable (x86) window displays, containing the Microsoft Software License Terms. Click **I agree to the license terms and conditions** and then click **Install**. Wait until the Setup Successful message displays and then click **Close**.
 - If you have Microsoft Visual C++ installed in your computer, the Modify Setup message on the Microsoft Visual C++ Redistributable (x86) window displays. Click **Close** and then click **Yes** to confirm your action.
-



The PHP upgrade, which contains the latest security fixes, requires the Microsoft Visual C++ Redistributable (x86) installation.

10. When the installation is done, on the InstallShield Wizard Complete page, This page contains the URL of the database that you need to access in order to log into Touch Time & Expense on your mobile device. Send this URL to all the users who will be using Touch Time & Expense. Click **Finish**.



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