Deltek

Deltek Touch Time & Expense for Vision 1.7.38.2

Technical Installation Guide

November 2026

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Overview

Deltek Touch Time & Expense for Vision is a time-tracking tool that allows you to view, enter, update, and submit timesheet data and expense reports as well as approve timesheets (if you are a Timesheet system administrator) from anywhere at any time using your touch screen device and synchronize that data to the Vision database. 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).

> **Note:** 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 *Apple App Store* and *Google Play* displays *Deltek Vision Time & Expense*.

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

Downloading Deltek Products using Deltek Software Manager

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

Accessing DSM from within the Deltek Support Center

To access DSM from within the Deltek Support Center:

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

   > **Note:** When you log on for the first time, DSM asks you to select a default folder where Deltek products are to be downloaded.
   >
   > You can change this folder anytime in the Settings dialog box.

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

   Options include:

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

8. In the table, select the 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.

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

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

Accessing DSM Lite

To access Deltek Software Manager Lite:

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

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

DSM Documentation and Troubleshooting

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

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

Prerequisites

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

- Touch Time & Expense works with Vision 7.6 Cumulative Update #69 or higher.

  Note:

  - 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 Server 2012, Windows Server 2012 R2, Windows Server 2016, or Windows Server 2019.
- Starting with 1.7, Touch Time & Expense requires that the Vision server be accessed using Secure Sockets Layer (SSL)/Transport Layer Security (TLS). Deltek recommends that you update your configuration to support this change to avoid issues with future releases should your system not already be configured this way.

  Note:

  - 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.
  - Touch Time & Expense does not support two-factor authentication (2FA) and multifactor authentication (MFA).

- When using SSL, you must have a certificate issued by a trusted certificate authority. You must not use self-signed certificates. Wild card certificates work if they come from a trusted certificate authority; however, they are not recommended as best practice.
- Touch Time & Expense supports mobile applications downloaded from *Apple App Store* and *Google Play*. If you are using an unsupported version of your Vision core product (compatibility mode), you can use your device's native browser to enter your organization's Touch Time & Expense URL but with some limitations.

> **Note:**
>
> - Starting with 1.7.7, Windows Phone is no longer supported.
> - The Touch Time & Expense URL has the format https://<server>/deltektouch/vision/time, where <server> refers to the host name of your Touch Server. Your administrator sends you an email message containing a link that either directs you to the appropriate app store (if the Touch application is not yet installed) or populates the **Touch Server URL** field on the **Server URL** screen with your company URL.
> - If you are on iOS 9.0 or lower, Touch Time & Expense would not be available from *Apple App Store*. In this case, you would not be able to download or update it.
> - In addition, Touch Server 1.3 and lower are already incompatible because the Chrome browser does not work with these versions any more due to a major change on Chrome.

- Touch Time & Expense installer installs PHP 8.4.27 in this release.

> **Note:** *This only applies to initial installation.*
>
> If PHP has already been installed on the Touch Server, the Touch installer does not overwrite the existing installation as it may break existing installed products. Deltek strongly recommends that you install on a Touch Server without PHP. In addition, Deltek makes every effort to update to the most recent version of PHP in every release.

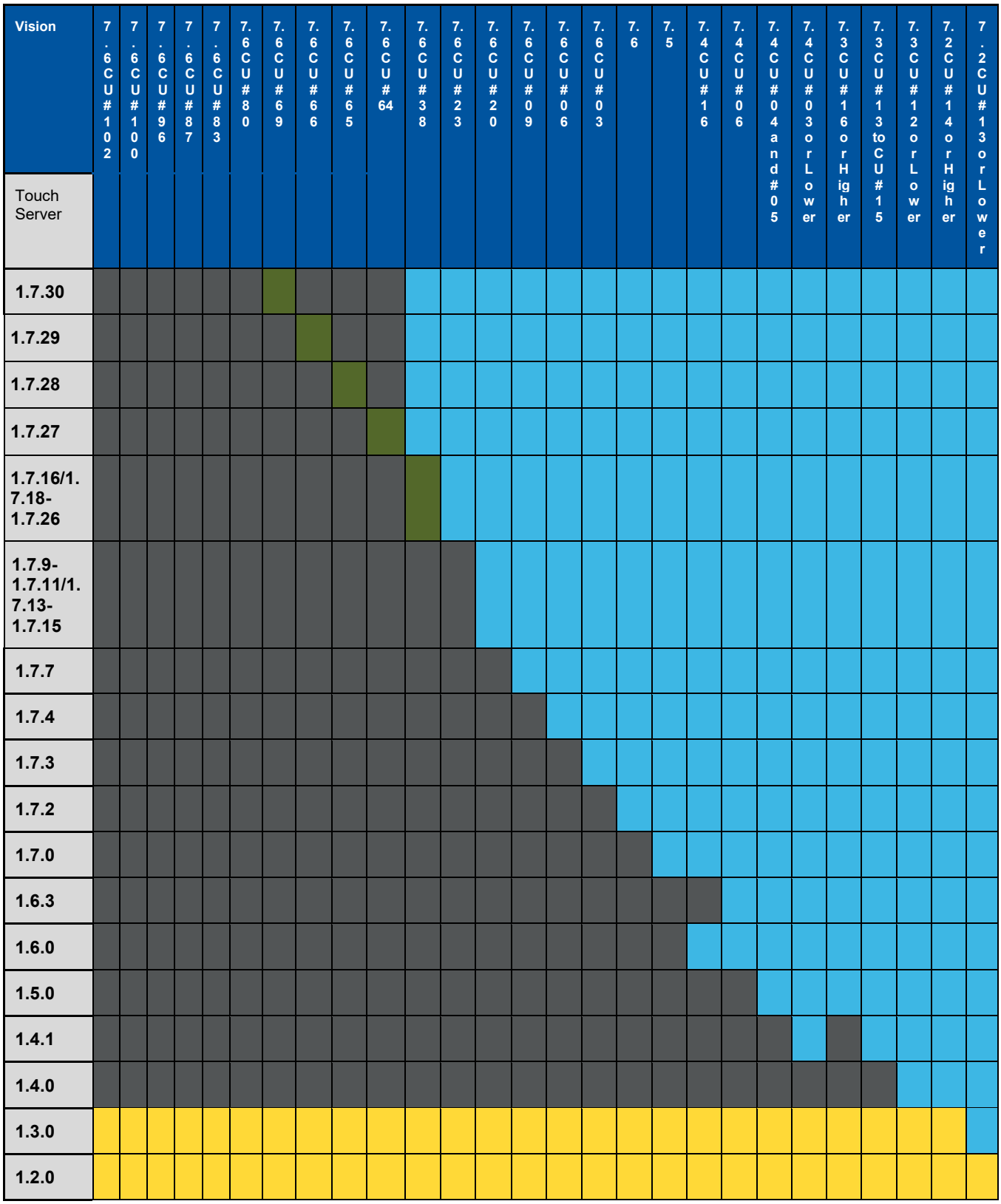
> **Attention:** Apple's iOS blocks connections to servers with deprecated secure transport layers.
>
> Starting with iOS 9, Apple's iOS mobile operating system started blocking deprecated transport layers. As of iOS version 10, iOS blocks connections to servers that have either TLS 1.0, SSL 3 (or lower) enabled or any older protocols. Only TLS 1.1 and/or TLS 1.2 may be enabled for connections to be successful. If you try to connect to IIS servers running Touch Time & Expense, an error message displays, such as "invalid server URL" if any of the deprecated protocols are enabled.
>
> To resolve this issue, the following must be performed to Touch Server:
>
> - Deprecated transport layers disabled.
> - Supported transport layers enabled (if not already) – TLS 1.1 and/or TLS 1.2.
> - Restart the server.
>
> For more information on how to disable the deprecated transport layers, see the following support article from Microsoft: *How to disable PCT 1.0, SSL 2.0, SSL 3.0, or TLS 1.0 in Internet Information Services* at https://support.microsoft.com/en-us/kb/187498.

Compatibility Mode Definitions

Compatibility Mode	Description
Fully Compatible with Vision	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 with Vision	You can use the Touch Time & Expense application in this environment but some features will be hidden until Touch Server and Vision core is updated.
Potentially Compatible with Vision but no Longer Tested	The Touch Time & Expense application may be compatible with Vision, but this combination is no longer tested or supported by Deltek.
Incompatible	You cannot use both the Touch Time & Expense (native application) and its browser version.

Time and Expense 1.7.38 (Native Application) Version Compatibility

Vision / Touch Server	7.6 CU#102	7.6 CU#100	7.6 CU#96	7.6 CU#87	7.6 CU#83	7.6 CU#80	7.6 CU#69	7.6 CU#66	7.6 CU#65	7.6 CU#64	7.6 CU#38	7.6 CU#23	7.6 CU#20	7.6 CU#09	7.6 CU#06	7.6 CU#03	7.6	7.5	7.4 CU#16	7.4 CU#06	7.4 CU#04 and #05	7.4 CU#03 or Lower	7.3 CU#16 or Higher	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
1.7.38																											
1.7.36																											
1.7.35																											
1.7.33																											
1.7.32																											
1.7.31																											


Vision
Touch Server
7.6 CU#102
7.6 CU#100
7.6 CU#96
7.6 CU#87
7.6 CU#83
7.6 CU#80
7.6 CU#69
7.6 CU#66
7.6 CU#65
7.6 CU#64
7.6 CU#38
7.6 CU#23
7.6 CU#20
7.6 CU#09
7.6 CU#06
7.6 CU#03
7.6
7.5
7.4 CU#16
7.4 CU#06
7.4 CU#04 and #05
7.4 CU#03 or Lower
7.3 CU#16 or Higher
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
1.7.30
1.7.29
1.7.28
1.7.27
1.7.16/1.7.18-1.7.26
1.7.9-1.7.11/1.7.13-1.7.15
1.7.7
1.7.4
1.7.3
1.7.2
1.7.0
1.6.3
1.6.0
1.5.0
1.4.1
1.4.0
1.3.0
1.2.0

Attention:

- For Vision Touch 1.7.34, there is no update in the version compatibility matrix since there are no required server-side changes.
- If you are using Azure authentication, you must upgrade your Touch Server to 1.7.33.
- For Touch Time & Expense 1.7.19 (or earlier), see the Deltek Touch Time & Expense Technical Installation Guide of that release.

Supported Mobile Operating Systems

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

- Apple iOS 17 and higher
- Android 11 and higher

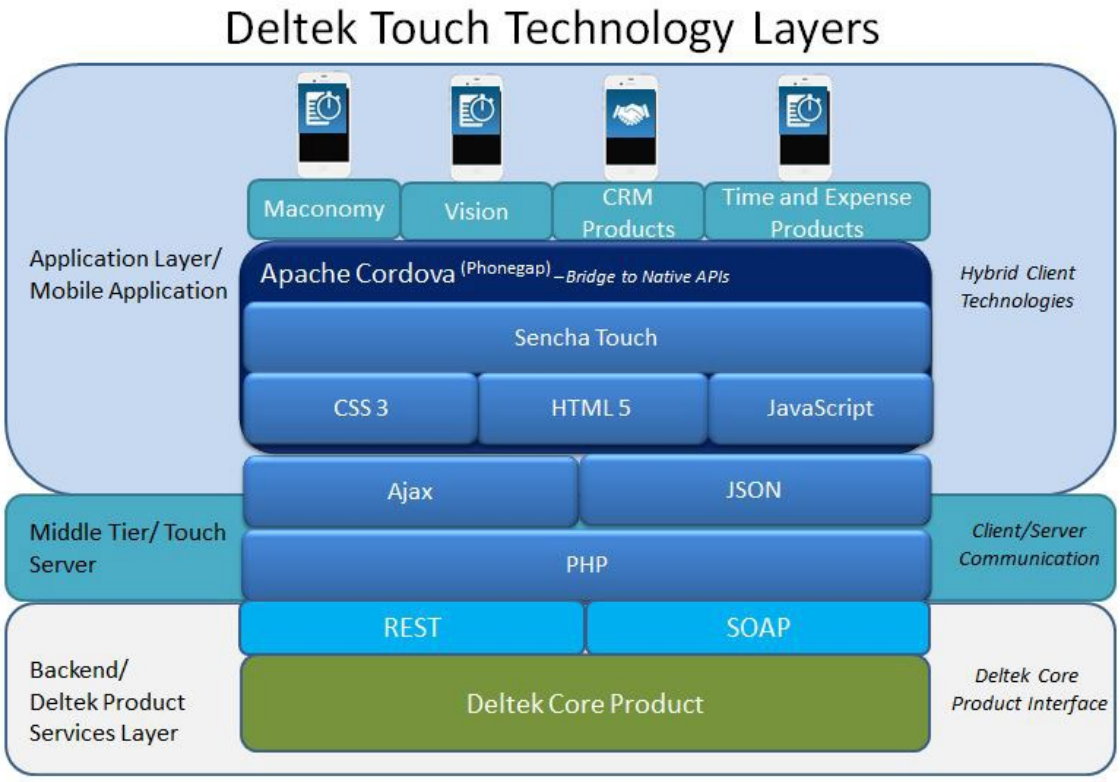
Deltek Touch Infrastructure

The Deltek Touch infrastructure is composed of the application tier, middle tier, and services tier. The Touch Server (middle tier) is used to optimize service delivery and transform data when necessary. The Touch Server only communicates with the product service layer and does not have access to the database.

The Touch application (client tier) is a hybrid application created using HTML 5 and CSS 3 but with the ability to access the native device capabilities.

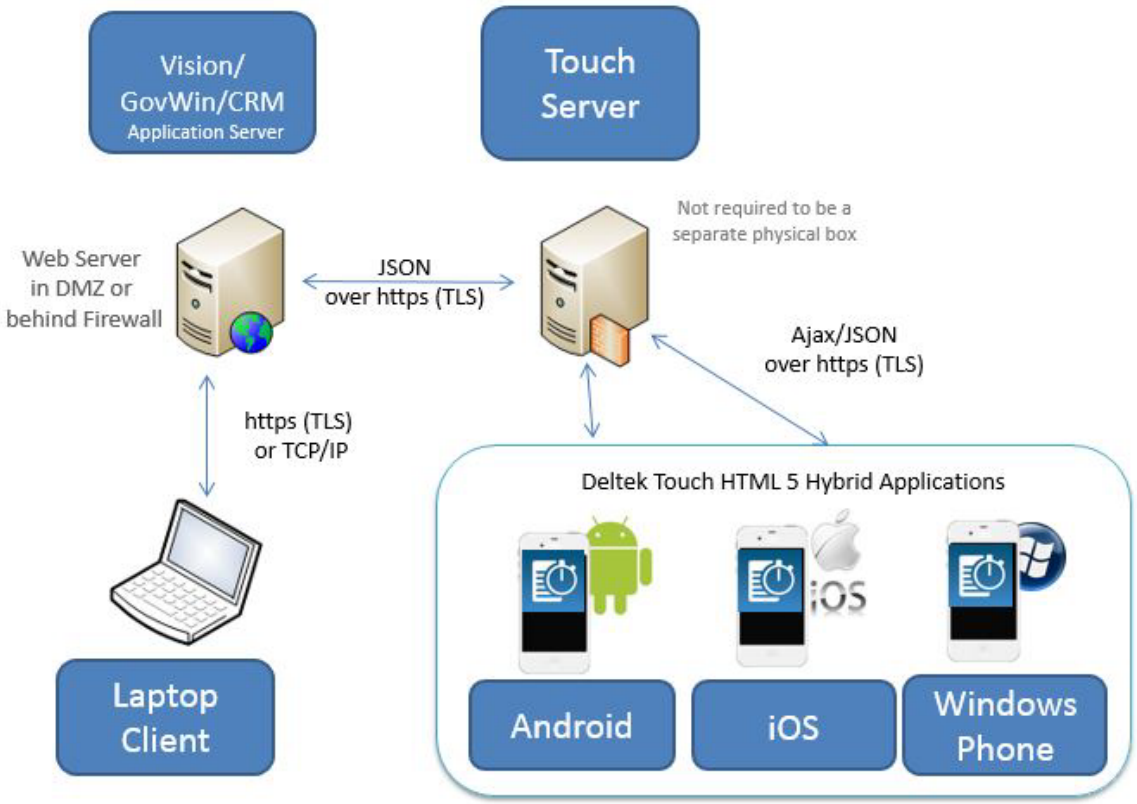
This infrastructure applies to Deltek Touch Time & Expense for Vision, Deltek Touch CRM, Deltek Touch for GovWin CM, and Deltek Touch CRM for Ajera.

Technical Platform



Supported Deployment Scenarios

The Deltek Touch for Vision application may be installed on another IIS server or as a separate directory on an existing Vision IIS server.



Deltek recommends the use of HTTPS protocol over HTTP when transmitting data over the Internet, unless you are using a VPN. HTTPS encrypts the data in transit. This is even more important when using Windows Authentication.

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.

> **Note:** 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**.

   > **Attention:** 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 the 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 select **IIS Management Scripts** and **Tools**.
11. Click on **Next**. The Select features page displays.
12. Click **Next**, and 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* and *Apple App Store* and install it in your device.

> **Attention:** 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 **DeltekTouchVisionTimeandExpense17381.exe** to launch the Touch Time & Expense installation program.

   > **Note:** 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 clicking **Run as Administrator** on the shortcut menu.

2. On the Welcome to the Deltek Touch Vision Time & Expense Installation Wizard page, click **Next**.
3. 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.

   > **Note:** 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.

4. *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.
5. On the Deltek Vision Web Services URL page, either enter the Web Services URL or accept the default value, and click **Next**.

   > **Note**: 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.

6. On the Customer Experience Improvement Program page, select the **Send Installation Data to Deltek** option if you want to participate.
7. 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.

   > **Note:** If there are errors, the DeltekTouchInstall.log file displays.

8. 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 click **Install**. Wait until the Setup Successful message displays, and 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 click **Yes** to confirm your action.

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

9. When the installation is done, on the Install Shield 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**.

Appendix A: Touch Server URL in Email

Logging on for the first time no longer requires users to enter the complete URL of the Touch Server. You now send them an email message containing a link that directs them to a page that displays one link or two separate links, depending on their mobile operating system.

- *For iOS*: When users tap the first link, it directs them to the mobile application in the App Store, allowing them to download it into their device. When they tap the second link, the **Server URL** field in the downloaded application is automatically populated
- *For Android*: When users tap the link, it either automatically populates the **Server URL** field (if the application is already installed) or directs them to download the application from Google Play (if the application is not yet installed).

Note: This feature only supports Touch Server 1.6.3 and higher.

ProductApplication.php

The Touch Server has been updated with the ProductApplication.php file that performs the linking and passes the **Touch Server URL** value to the application or redirects you to the appropriate app store.

Link for Customers

The link that you send to users is a hyperlink. When users click the hyperlink, the following scenarios occur:

1. If Deltek Touch is not installed, it takes them to the appropriate app store to download the application.
   a) Users then download the application from the app store.
   b) They click the link again (and proceed to step 2).
2. If the application is installed, it populates the **Touch Server URL** field with their company URL.
3. They tap the **Connect** button to connect to the Touch Server.

How to Create the Link to Email Users

Each application may have specific steps required to create a hyperlink. This section describes the steps that apply to Microsoft Outlook. For other applications, see the documentation on creating a hyperlink.

1. Use the following format for the hyperlink:

   https://<yourdomain>/deltektouch/vision/time/visionshared/backend/visiontimeurl.php
2. Replace **<yourdomain>** with the company's domain information. The domain must be externally accessible to devices on the Internet. The following part of the hyperlink, however, is fixed:

   deltektouch/vision/time/visionshared/backend/visiontimeurl.php
3. Create the instructional text in the email message where you will embed the link.
4. Highlight the word "here," right-click, and select **Hyperlink** from the menu (alternatively, click the Insert tab, and click the **Hyperlink** button).
5. Paste the hyperlink into the **Address** field of the dialog box, and click **OK**.

Example: You have been given access to Deltek Touch Time & Expense. Click this link from your device to start using it: https://<yourdomain>/deltektouch/vision/time/visionshared/backend/visiontimeurl.php

- If you have not yet installed Touch Time & Expense, you will need to click the link twice: once to install the app and once after installation to populate your company's URL. If you have already been using Touch on your device, there is no need to click the link.
- If you cannot click the link, you can also copy and paste it into your browser on your device.

When users receive the email, click the link, and the application is installed, the **Server URL** screen displays.

Appendix B: Enable or Disable Passcode in the configuration.ini File

Starting with 1.7.10, you (as the system administrator) can require users to have a passcode or lock screen on their mobile devices before they can use Touch Time & Expense. This setting ensures that credential information is stored in the encrypted operating system keystore (for iOS) or keychain (for Android).

> **Note:** The keychain and keystore are the operating system embedded encryption storage for the iOS and Android, respectively.

Note: The keychain and keystore are the operating system embedded encryption storage for the iOS and

This can be done by the following setting in the configuration.ini file:

- **`REQUIREDDEVICEPASSCODE = 'true'`** – Use this setting if you want users to have a passcode (iOS) or lock screen (Android) on their devices.
- **`REQUIREDDEVICEPASSCODE = 'false'`** – Use this setting is you want Touch CRM to encrypt credential information in the local storage. This does not require users to have a passcode.

> **Note:** For mobile devices running on iOS, set the passcode in the iOS settings application. For mobile devices running on Android, set the lock screen using the PIN or password method.

Appendix C: If You Need Assistance

If you need assistance installing, implementing, or using Deltek Touch Time & Expense, 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.

Additional Documentation

The following table lists the 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 Support Center.

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.

About Deltek

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