

# Deltek Touch for Maconomy

## Touch 2.2 Upgrade Guide

**September 2017**

While Deltek has attempted to verify that the information in this document is accurate and complete, some typographical or technical errors may exist. The recipient of this document is solely responsible for all decisions relating to or use of the information provided herein.

The information contained in this publication is effective as of the publication date below and is subject to change without notice.

This publication contains proprietary information that is protected by copyright. All rights are reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, or translated into another language, without the prior written consent of Deltek, Inc.

This edition published September 2017.

© Deltek, Inc.

Deltek's software is also protected by copyright law and constitutes valuable confidential and proprietary information of Deltek, Inc. and its licensors. The Deltek software, and all related documentation, is provided for use only in accordance with the terms of the license agreement. Unauthorized reproduction or distribution of the program or any portion thereof could result in severe civil or criminal penalties.

All trademarks are the property of their respective owners.

# Contents

- How to Upgrade to Deltek Touch 2.2 ..... 1
  - I - Prerequisites for Touch Server ..... 1
  - II - Recommendation for Linux Customers..... 1
  - III - Install Touch Server and Web Application ..... 1
  - IV - Install Web Service ..... 2
- Q&A ..... 5
  - What should you have after completing the upgrade instructions? ..... 5
  - What have changed in the latest version compared to the previous Touch version? ..... 5
  - Which Web service should I use when upgrading? ..... 6
  - Which Web service should I use after upgrading? ..... 6
  - How do I switch to RESTful Web service? ..... 7

## How to Upgrade to Deltek Touch 2.2

If existing Deltek Touch for Maconomy users would like to benefit from the new Deltek Touch 2.2 release, a Deltek consultant would need to upgrade their system. The necessary steps are described in this section.



End users need to upgrade the native application to the latest version by downloading it from *Apple App Store*, *Google Play*, or *Windows Store*, depending on the operating system of their devices.

### I - Prerequisites for Touch Server

- If the Touch Server is installed on a Windows machine that is using Apache as a Web server and your Maconomy version is 2.2 or later, you need to upgrade to Apache 2.4.
- If the Touch Server is installed on a Windows machine that is using Apache as a Web server and you Maconomy version is X1 or 2.0, you need to have the Touch Server installed on a different Apache version than the Maconomy Web server.



The Maconomy Web server is certified for Apache 2.0 and 2.2. The Touch Server must run on Apache 2.4.

### II - Recommendation for Linux Customers

If the Touch Server is installed on a Linux machine, see the Deltek Touch for Maconomy Installation on Linux Server section of the *Deltek Touch for Maconomy 2.2 Technical Installation Guide*.

### III - Install Touch Server and Web Application

You can find the files mentioned in this section in [DSM](#), under the corresponding Maconomy release:

- On Windows, run **DeltekTouchMaconomy22.exe** to launch the installation program.
- On Linux, run **DeltekTouchMaconomyLinux22.tar** to launch the installation program.



The Maconomy Product Information page in the installation program has been changed. The **Hostname**, **Port Number**, and **Language** fields are removed. In the **Maconomy MScript URL** field, you need to enter the full URL (for example, [http://eu100242:20003/cgi-bin/Maconomy/MaconomyTouch.w16de.en\\_US.exe](http://eu100242:20003/cgi-bin/Maconomy/MaconomyTouch.w16de.en_US.exe)).

## IV - Install Web Service

You need to check your current Web service version. To do this, open Deltek Touch for Maconomy, tap **Settings**, tap **About**, and check Web Service.

Deltek Touch 2.2 needs the following Web service versions:

- Maconomy X1: 2.2.0.3.12
- Maconomy 2.0: 2.2.0.3.15
- Maconomy 2.1: 2.2.0.4.16
- Maconomy 2.2: 2.2.0.22.17
- Maconomy 2.3: 2.2.0.22.19
- Maconomy 2.4: 2.2.1.0.20

If your current Web service version is any of the above, you do not need to do anything.

If your current Web service version is different than any of the above, complete the following steps:

### A. Install Web Service on the Maconomy Server and Web Server

The Web service is deployed in a Hot Fix (FPU), as follows:

Maconomy	Touch Web Service
X1 Service Packs 25, 26, 27, 28 and 29	fpu.w1200.touchapi_2_2_0_0.zip
2.0 Service Packs 3, 4, 5, 6, 7, 8, and 9	fpu.w1500.touchapi_2_2_0_0.zip
2.1.1, 2.1.1 CU 1, 2.1.4, 2.1.5, 2.1.6, 2.1.7, 2.1.8	fpu.w1600.touchapi_2_2_0_0.zip
2.2, 2.2.1, 2.2.3, 2.2.4, 2.2.5	fpu.w1700.touchapi_2_2_0_0.zip
2.3 LA, 2.3 GA, 2.3.1, 2.3.2	fpu.w1900.touchapi_2_2_0_0.zip
2.4 LA1, 2.4 LA2	fpu.w2000.touchapi_2_2_1_0.zip

- If your Maconomy version is not listed in the table, you need first to upgrade Maconomy to any of the above versions because Deltek Touch for Maconomy does not support your current Maconomy version.
- If your Maconomy version is listed in the table and the Web service is in the APU, you do not have to do anything in this step because the Web service is already installed on the Maconomy server. You should proceed to step B.
- If your Maconomy version is listed in the table and there is an FPU specified, you need to download the FPU from DSM and install it. The FPU should be installed the same way as an application patch using MConfig. This process installs the Web services and Maconomy dictionaries on the Maconomy server.



The latest MConfig (minimum 8.14) must be used when installing the FPU.

If the Maconomy system has already had Touch installed, **you are prompted to apply it to the Web server when installing the FPU**. Click **Yes**. This action should install the Touch Web service on the Maconomy Web server, so you do NOT need to do it manually.

If you do not get the message, you need to apply the Web service using MConfig on the Maconomy Web server manually:

1. On the **Web** product, select the **MScript** option.
2. From the **(Re)install Deltek Touch framework** drop-down list, select the **Install unconditionally** option.

## B. Install Latest Dictionaries

Install the latest dictionaries (available in DSM) for your Maconomy version using **MConfig**.

Starting with Touch 2.2, the Touch FPU no longer includes dictionaries. Instead, the latest dictionaries for each Maconomy version is available as a translation FPU in DSM. Deltek recommends that you install the Touch FPU and translations FPU at the same time because they can be selected on the same application screen in **MConfig**. This requires MConfig 8.14 or later.

## C. Install MaconomyTouch CGI Program

Starting with 1.4, Touch uses the MaconomyTouch CGI program instead of MaconomyMScript. Switching to MaconomyTouch CGI is necessary for security reasons because it enforces a default timeout of one hour.

Verify that your Maconomy Web server has already MaconomyTouch.\*.exe and MaconomyTouch.\*.I (in ../cgi-bin/Maconomy). If so, the MaconomyTouch CGI program is already installed. Otherwise, you can install MaconomyTouch like any CGI program using **MConfig**. From the **(Re)install CGI programs** drop-down list, select the **Install unconditionally** option.

## D. Update Configuration.ini

Make sure that configuration.ini is using the **MaconomyTouch** CGI program, instead of MaconomyMScript, in **URL**.



The configuration.ini structure has been changed. It contains only URL (instead of URL, MSCRIPTNAME, and LANGUAGE). Make sure that the URL contains the full path (for example, URL='http://myhost:20003/cgi-bin/Maconomy/MaconomyTouch.w16de.en\_US.exe/Standard/DeltekTouchWS.ms').

If you upgraded to REST Touch, but the customer wants to use MScript Touch, you can disable REST by setting UseRESTForTime and UseRESTForExpense to false, in the configuration.ini.

## E. Manually Update Custom Files

In case you have changed the standard settings and/or standard layouts, you have customizations. **It is very important to ensure that your custom files are updated.**

To check if there are any customizations, find the **MaconomyMScript** folder on the Maconomy Web server. The said folder must contain a Standard sub-folder, which includes all standard layouts and settings.

If there is a Custom sub-folder in the **MaconomyMScript** folder, it means that you likely have customizations. Each file in the **...MaconomyMScript\Custom** folder must be changed manually to include all changes made in the standard file.

In case you have customizations, there are important changes in this release.

Previously, the implementation of all API calls was in DeltekTouch.1.ms. Since many customers need heavyweight customizations to the time registration flows, the implementation of the corresponding API calls was separated into a new Time.1.ms file to help with the customization maintenance burden when you upgrade the Web service. Therefore, if you customize any of the following API calls, you need to move your changes from DeltekTouch.1.ms to Time.1.ms:

- getperiod
- savetimesheetentry
- copytimesheetentry
- submittimesheet

Starting with Touch 2.2, we have dedicated layout list files (for more information, see `.../MaconomyMScript/Standard/LayoutList_MScript.l` and `.../MaconomyMScript/Standard/LayoutList_REST.l`). If you added new layout files (for example, for search layouts), remember to customize the corresponding list instead of DeltekTouchWS.ms.

## Q&A

### What should you have after completing the upgrade instructions?

After completing the steps in the previous section, you should now have a fully compatible Touch setup, including:

Android Application	iOS Application	Web Application	Touch Server	Web Service	Maconomy
2.2.1	2.2.1	2.2	2.2	2.2.0.xx.yy (except for Maconomy 2.4, which has 2.2.1.0.20)	<ul style="list-style-type: none"> <li>▪ X1 (SP 25-29)</li> <li>▪ 2.0 (SP 3-9)</li> <li>▪ 2.1 (SP 2-8)</li> <li>▪ 2.2 (SP 100-105)</li> <li>▪ 2.3 LA, 2.3 GA, 2.3.1, 2.3.2</li> <li>▪ 2.4 LA1, 2.4 LA2</li> </ul>

### What have changed in the latest version compared to the previous Touch version?

What have **changed** in Touch 2.2,1 compared to Touch 2.2:

- Android native application
- iOS native application
- Web service (only for Maconomy 2.4 stream)

What have **changed** in Touch 2.2, compared to Touch 2.1:

- All components:
  - Touch installer
  - Touch server
  - Web service
  - Android native application
  - iOS native application
  - Windows native application

- Web application
- Special attention to:
  - REST Touch installation (handled almost entirely by the Touch installer).
  - Dictionaries are no longer included in the Touch FPU.
  - Touch customizations related to new layout files (if you added new layouts, make sure that you update the layout list file)

## Which Web service should I use when upgrading?

Deltek Touch 2.2 supports two Maconomy Web services:

- **MScript based** - This is the old Web service used in Deltek Touch 1.x, compatible with all abovementioned Maconomy versions.
- **RESTful Web service** - This is the **new**, generic, Web service, available in newer Maconomy versions.



If your Maconomy version is 2.2.4 / 2.3 GA / 2.4 LA 1 or higher, Deltek strongly recommends that you choose REST Touch when you upgrade.

When upgrading from Touch 1.x to 2.2(or higher), Deltek recommends that, if your Maconomy version allows it, you upgrade directly to Touch 2.x using the RESTful Web services. This means that in the Touch Installer, on the Maconomy Product Information page, you select the **Maconomy 2.2.4 or later** option and fill in the necessary information on the REST Proxy Data, REST Module Setup, and Deltek Maconomy Coupling Services pages. By doing so, the installer helps you with performing all REST proxy-related setup.

- If you do not do this and would like to switch to REST Touch after the upgrade, you need to manually perform the REST proxy setup.
- If the customer's Maconomy version allows it, select REST Touch during the upgrade even if the customer ultimately wants to use MScript Touch. It is much easier to disable REST than to manually set up the REST Touch.
- For customers on older Maconomy versions (2.2.3 or earlier), you can upgrade only to Touch 2.x using the MScript Web services.

## Which Web service should I use after upgrading?

If you upgrade, as recommended, to Deltek Touch 2.2 using RESTful Web services, but the customer has Touch using MScript Web services before the upgrade, you should consider to switch.



REST is our future. Some new 2.2 functionality is only available if you use REST and, in the future, most new functionality will require REST. Therefore, it is recommended to switch to REST.

Deltek recommends that you consider the following:

- REST (in Touch 2.x) requires Maconomy **2.2.4 /2.3 GA/2.4 LA 1** (or higher).
- REST can be used only for time, expense, and mileage registrations. If you have Java extensions in these areas, Deltek highly recommends that you switch to REST in Touch.

- There are some functional differences in Touch 2.x, depending on whether you use the MScript or REST Web service. For more information, see the *Deltek Touch for Maconomy Differences Between REST and MScript Web Services Comparison Guide*.
- If you have custom layouts, you need to migrate your customizations to the REST layouts. For example, if you have a custom ExpenseSheetLayout.I, you need to add the same customizations to ExpenseSheetLayoutREST.I. For more information, see the *Deltek Touch for Maconomy Layout Configuration Guide*.
- If you have changed the server settings (in DeltekTouch.I), see the *Deltek Touch for Maconomy Differences Between REST and MScript Web Services Comparison Guide* for some settings are not applicable to REST.
- If you have customized queries (in DeltekTouch.I), depending on the nature of the change, you might not be able to switch to REST because REST does not support query customization.
- If you have heavy weight customization (for example, changes in .ms files), make sure that the same functionality is available via Java extension.
- If the customer is not ready to switch Touch to using RESTful web services, you need to disable REST in the configuration.ini. This can be achieved by having all flags in [REST\_MODULE\_SETUP] set to false:

```
[REST_MODULE_SETUP]
USERESTFORTIME="false"
USERESTFOREXPENSE="false"
USERESTFORAPPROVALS="false"
```

## How do I switch to RESTful Web service?

1. Make sure REST is enabled in Maconomy and you have the proxy server set up.
2. Make sure all customizations (layouts, DeltekTouch.I, .ms) are replicated for REST (REST layouts, Java extensions).
3. Change the configuration.ini file to fill in the REST connections details and switch the UseRESTForTime and/or UseRESTForExpense flags.



For more information, see the [Deltek Touch for Maconomy 2.1 Technical Installation Guide](#).



Deltek is the leading global provider of enterprise software and information solutions for professional services firms, government contractors, and government agencies. For decades, we have delivered actionable insight that empowers our customers to unlock their business potential. Over 14,000 organizations and 1.8 million users in approximately 80 countries around the world rely on Deltek to research and identify opportunities, win new business, optimize resource, streamline operations, and deliver more profitable projects. Deltek – Know more. Do more.®

[deltek.com](http://deltek.com)