

Deltek Maconomy[®] 2.4.4

Azure OpenID Setup Guide

May 22, 2019

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 May 2019.

© 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

Overview	1
Setup Comparison	1
Azure Setup for Maconomy	1
MConfig Setup for Azure	1
Migrating to Azure OpenID.....	3
Before You Begin	3
Azure Setup	4
Register Azure for Maconomy Server	4
Azure Client ID.....	4
Azure Tenant ID.....	4
Update Reply URLs	5
Obtain Client Secret	5
Maconomy Setup	6
Maconomy Azure OpenID Setup.....	6
Touch Setup.....	7

Overview

To optimize the latest security standards for SSO and 2FA, Deltek recommends that Maconomy users migrate from Azure OAuth protocol to Azure OpenID protocol. While Microsoft still supports both Azure OAuth and Azure OpenID, as of Maconomy 2.4.2, we support the Azure OpenID protocol.

Furthermore, Apple has already removed support for the plugin we use for OAuth, which impacts our mobile solution, Deltek Touch for Maconomy. Therefore, to take advantage of the latest Touch version (3.0) you must configure Maconomy to use the Azure OpenID protocol. Otherwise Touch will cease to function and this will impact users who download the latest version of the Touch App

Other Deltek or 3rd Party products within your Azure ecosystem may continue to use the older Azure OAuth protocol, which can exist side-by-side with the Azure OpenID configuration.

This document provides procedures to help you migrate from the previous Azure OAuth setup (based on access token) to the new Azure OpenID setup (based on authentication code). Additionally, this document assumes that you have an existing Azure configuration (addressed in the document *Deltek Maconomy Azure SSO Guide*), but want to enable Azure OpenID.

Setup Comparison

Azure Setup for Maconomy

For your reference, the following is a comparison of the previous and new protocol setups in Azure.

Azure OAuth (Previous Setup)	Azure OpenID (New Setup)
<p>Requires three applications to be set up in Azure:</p> <ul style="list-style-type: none"> ▪ Maconomy – Azure Web application for Maconomy Server ▪ Touchapp – Azure native application for the Touch native application ▪ Maconomy Client – Azure Web application for Touch Web application and Maconomy clients <div style="border: 1px solid #0070C0; padding: 5px; margin-top: 10px;"> <p>Note: The Maconomy clients get an access token from Azure which is sent to Maconomy to authenticate the user.</p> </div>	<p>Requires two applications to be set up in Azure:</p> <ul style="list-style-type: none"> ▪ Maconomy – Azure Web application for Maconomy Server, Maconomy clients, and Touch Web application ▪ Touchapp – Azure native application for the Touch native application <div style="border: 1px solid #0070C0; padding: 5px; margin-top: 10px;"> <p>Note: The Maconomy clients get an authentication code from Azure which is sent to Maconomy to authenticate the user.</p> </div>

MConfig Setup for Azure

For your reference, the following is a comparison of the previous and new protocol setups in MConfig.

Azure OAuth (Previous Setup)	Azure OpenID (New Setup)
<ul style="list-style-type: none"> ▪ Domain Login Method: Azure AD ▪ Azure Tenant ID ▪ Azure Client ID 	<ul style="list-style-type: none"> ▪ Domain Login Method: Azure OpenID ▪ Azure Tenant ID ▪ Azure Client ID

Azure OAuth (Previous Setup)	Azure OpenID (New Setup)
<ul style="list-style-type: none"><li data-bbox="212 304 451 340">▪ Azure Server ID	<ul style="list-style-type: none"><li data-bbox="833 304 1114 340">▪ Azure Client Secret

Migrating to Azure OpenID

This section includes detailed steps for the following:

- Azure Setup
- Maconomy Setup
- Touch Setup

Note: iAccess and Workspace Client do not require special setup.

Before You Begin

Before you set up Azure OpenID for Touch and Maconomy, you must do the following:

- Ensure that you have a working Azure AD (Azure OAuth protocol) setup where you can successfully log in to the web app.
- Note that numerous times throughout these procedures, you must take special note of information that will be needed later in the process. This is indicated where applicable.

Warning: Deltek Recommends

Since the procedures in this document are interdependent, Deltek recommends that the process be completed by one team or individual. Take note where indicated below.

Azure Setup

Complete Azure setup in your Microsoft Azure account, using the Azure Portal:

<https://portal.azure.com>

Register Azure for Maconomy Server

Azure Client ID

This migration document assumes that you already have an Azure AD setup. Verify your Azure setup, or if needed, register Azure for Maconomy Server with the steps below.

To verify your Azure setup:

Go to **MConfig » OSGi Products » Azure Client ID**.

To register Azure for Maconomy Server:

1. Log into the Azure Portal.
2. Click on Azure Active Directory
3. In the field to choose your AD, select Maconomy Server.

Note: Take Note

This value becomes the “Azure Client ID” in the [Maconomy OpenID Setup](#) part of this guide.

Azure Tenant ID

This migration document assumes that you already have an Azure Tenant ID setup. Verify your Azure setup, or if needed, register Azure for Maconomy Server with the steps below.

To verify your Azure setup:

Go to **MConfig » OSGi Products » Azure Tenant ID**.

To register Azure for Maconomy Server:

1. Log into the Azure Portal.
2. Click on Azure Active Directory.
3. In the field to choose your AD, select Properties.

Note: Take Note

This value becomes the “Azure Tenant ID” in the [Maconomy OpenID Setup](#) part of this guide.

Update Reply URLs

If you use Touch, you must **update the Reply URL** on this Azure application.

To add or update the Reply URLs:

1. In the Maconomy Azure web app, add the following URLs (or update the existing Reply URLs used for Touch):
 - <https://mydomain.com/myshortname/maconomyshared/backend/oauth2authcodereturn.php>
 - <https://mydomain.com/myshortname/maconomyshared/backend/oauth2authorizereturn.php>

For example:

https://mak.ads.delttek.com/30_241/maconomyshared/backend/oauth2authorizereturn.php

Obtain Client Secret

To obtain the Client Secret from the Azure portal:

1. Log into the Azure Portal.
2. Click on Azure Active Directory.
3. Choose your AD.
4. Click in the **App registrations** field.
5. Click **View all applications**.
6. Choose the Maconomy Server pre-existing application, and select **Settings » Keys**.
Note that if you have not created a key previously, you must create one now.
7. Enter a key description and duration for the key.
8. Click **Save**, and note the key value.

Note: Take Note

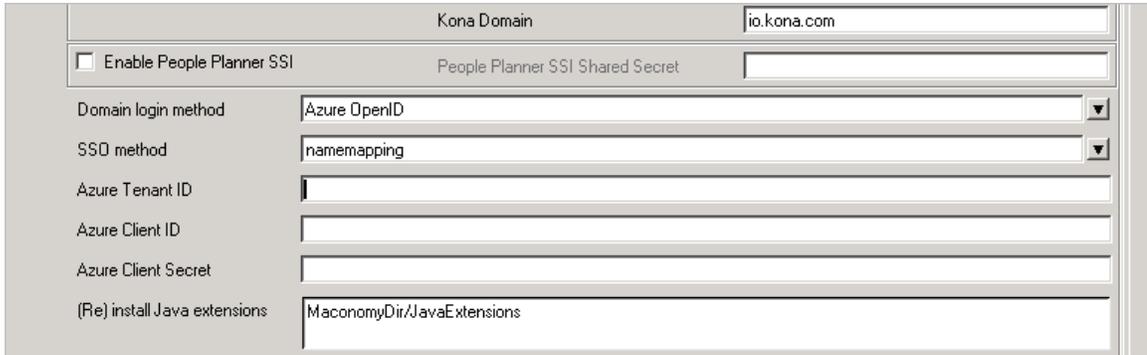
This value becomes the “Azure Client Secret” in the [Maconomy OpenID Setup](#) part of this guide.

Maconomy Setup

Maconomy Azure OpenID Setup

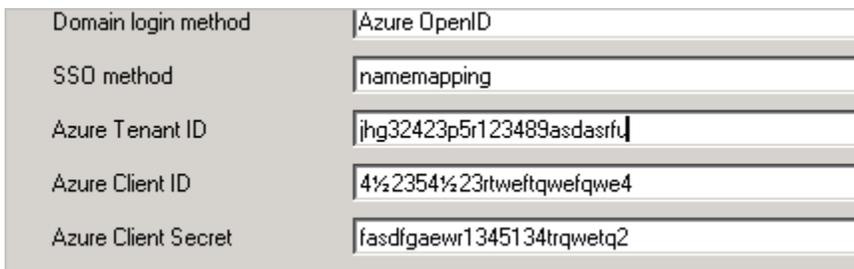
To set up Azure OpenID:

1. In MConfig, go to OSGi Products. From the **Domain login method** dropdown menu, select **Azure OpenID**.



Kona Domain		io.kona.com
<input type="checkbox"/> Enable People Planner SSI	People Planner SSI Shared Secret	
Domain login method	Azure OpenID	
SSO method	namemapping	
Azure Tenant ID		
Azure Client ID		
Azure Client Secret		
(Re) install Java extensions	MaconomyDir/JavaExtensions	

2. Copy information for Azure Tenant ID, Azure Client ID and Azure Client Secret previously obtained from the [Azure Setup](#) and paste the values into their respective fields, as in the example below.



Domain login method	Azure OpenID
SSO method	namemapping
Azure Tenant ID	jhg32423p5r123489asdarsfu
Azure Client ID	4½2354½23rtweftqwefqwe4
Azure Client Secret	fasdfgaewr1345134trqwetq2

3. Click **Ok » Ok » Ok » Next » Next » Yes** and wait for MConfig to finish the installation.

Touch Setup

As you migrate from Azure OAuth to Azure OpenID, **no changes are needed in your Touch installation.**

We expect that you already have the following:

1. An up-to-date custom DeltekTouch.I (compare with the standard file)
2. **UseExternalCredentials: true.**
3. **ExternalCredentialsType: #K"Azure".**
4. **AzureResponseType:#K"**
5. **AzureNativeClientID** set to the corresponding Touchapp ID, from your Azure setup. For example:

```
AzureNativeClientID:#K"347bbd9d-15da-4564-b58f-1dfcad7e2bf"
```

6. **AzureRedirectURI** set to the REDIRECT URI, from your Azure setup. For example:

```
AzureRedirectURI:#K"https://deltekmaconomyclient"
```

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