



Deltek

Deltek Ajera 10

Microsoft Entra ID (Previously Azure) Active
Directory Integration for Single Sign-On

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Overview

Welcome to the Deltek Ajera Microsoft Entra ID Active Directory Integration for Single Sign-On Guide. This guide provides technical guidance for configuring single sign-on in Microsoft Entra ID and turning on the integration in Ajera.

About Single Sign-On with Microsoft Entra ID Active Directory

Microsoft Entra ID AD's single sign-on feature lets Ajera users log on to Ajera using their Windows usernames and passwords instead of using separate Ajera usernames and passwords. To set up single sign-on, an Ajera administrator must complete the following configuration steps, described in more detail in this guide.

Note :	You will still use your Ajera username and password when logging into the Mobile Time and Mobile Expense app.
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Important Considerations Regarding SSO Model

Currently, the most common single sign-on model used by Ajera customers is to synchronize users and passwords to Windows Entra ID Active Directory.

An alternative method is to set up Windows Entra ID Active Directory to federate back to your local Active Directory via ADFS (Active Directory Federation Services) to authenticate users via your on-premises Active Directory. With this model, you do not need to synchronize users and passwords to Windows Entra ID Active Directory.

Support for Multi-Factor Authentication

Windows Entra ID Active Directory supports multi-factor authentication.

Configure Single Sign-On using Entra ID AD

To set up single-sign on, an Ajera administrator must complete the following steps:

1. [Sign up for Microsoft Entra ID AD account.](#)
2. [Configure Entra ID AD Connect.](#)
3. [Add and Configure the Deltek Ajera Application.](#)
4. [Set Up the Entra ID Integration in Ajera.](#)
5. [Log in Using Windows Authentication.](#)
6. [Unable to Log In Using Windows Authentication](#)

Sign Up for a Microsoft Entra ID AD Account

If your firm does not already have a Microsoft Entra ID AD account, you can sign up for a free account at <https://azure.microsoft.com/en-us/free/entra-id/>.

Microsoft also offers an Entra ID AD Premium account for a cost at <https://azure.microsoft.com/enus/trial/get-started-active-directory>.

The Premium edition is **not** required for using the single sign-on solution for Ajera.

Configure Entra ID AD Connect

For more background information about Entra ID AD Connect, see [Microsoft's What is Entra ID AD Connect](#). This describes what Entra ID AD Connect is and how it works.

Note :	This part of the set up is managed by you. Ajera Support cannot assist in the steps needed to set up Entra ID properly.
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Prerequisites

Review and complete the prerequisites for Entra ID AD Connect as outlined by [Microsoft's Prerequisites for Entra ID Active Directory Connect \(Entra ID AD Connect\)](#).

This article also lists hardware requirements.



Deltek recommends that you do not install Entra ID AD Connect on your domain controllers.

Configuration Steps for Entra ID AD Connect

To configure Entra ID AD Connect:

1. Download and install the Microsoft Online Services Sign-In Assistant for IT Professionals RTW (msoidcli_64.msi) from the Microsoft web page.
Refer to the installation instructions on the web page.
2. Download and install the Entra ID Active Directory Module for Windows PowerShell for the 64-bit version (AdministrationConfig-en.msi) from the Microsoft web page.
Download the latest version that is in general availability. Refer to Microsoft documentation for help.
3. Download and install Microsoft Entra ID Active Directory Connect (AdministrationConfigen.msi) available on the Microsoft web page.
 - Review the account and permissions information on the Microsoft web site.
 - You must set up the following required accounts with a username and password:
 - Windows Entra ID Active Directory (Global Administrator)
 - On-Premise Active Directory (Enterprise Administrator)



- For more information, see Managing Entra ID AD Connect.
- Depending on the size of your on-premises Active Directory, the installation of Entra ID AD Connect can take some time, especially if you select the option to synchronize users at the end of the installation.

4. Log into your Windows Entra ID portal and verify that users are synchronized with Windows Entra ID AD.
5. Test a user on the Microsoft Apps portal at: <https://myapps.microsoft.com>.
 - You will not see any applications, but you can test authentication.
 - Use an existing user name and password for the test.



For troubleshooting information, see:

<https://msdn.microsoft.com/library/azure/jj151834.aspx>.

Add and Configure the Deltek Ajera Application

To add and configure the Deltek Ajera application:

1. Go to <https://portal.azure.com> to launch the Entra ID portal.
2. From Entra ID services, select **Entra ID Active Directory**.
3. From the Manage menu, select **App registrations**.
4. From the actions at the top of the menu on the App Registrations screen, Select **+ New registration**.

Microsoft Azure Search resources, services, and docs (G+)

Home > Default Directory >

Register an application

* Name

The user-facing display name for this application (this can be changed later).

Deltek Ajera ✓

Supported account types

Who can use this application or access this API?

☒ Accounts in this organizational directory only (Default Directory only - Single tenant)

☐ Accounts in any organizational directory (Any Azure AD directory - Multitenant)

☐ Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)

☐ Personal Microsoft accounts only

[Help me choose...](#)

Redirect URI (optional)

We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.

Web https://SERVERNAME/Ajera ✓

[By proceeding, you agree to the Microsoft Platform Policies](#)

Register

5. Perform the following actions on the Register an Application screen:
 - a. In the **Name** field, enter: **Deltek Ajera**.
 - b. Under **Supported account types**, select **Accounts in this organizational directory**

only.

- c. Under **Redirect URI (Optional)**, select **Web** and enter your Ajera customer URL.

For example, enter: **https://ajera.com/V#####** (SaaS clients) or **http://[ServerName]/Ajera** (On-Premise clients).

- d. Click **Register** to create and save the application.

The properties of the Deltek Ajera application display.

6. Click on the application that you just registered (Deltek Ajera) from the list, hover over the **Application (client) ID**, and click the clipboard icon to the right to store the ID for future use.

You will enter this ID into the **Application (client) ID** field on the **Microsoft Entra ID** tab in **Setup > Company > Preferences > Integration** tab.

7. On the same application, hover over the **Directory (tenant) ID** and click the clipboard icon to the right to store the ID for future use.

You will enter this ID into the **Directory (tenant) ID** field on the **Microsoft Entra ID** tab in **Setup > Company > Preferences > Integration** tab.

Display name : Deltek Ajera

Application (client) ID : ab2fb4e5-e8af-423f-b49d-36b0c41d037c

Directory (tenant) ID : dc4b9e6e-e1ad-4932-a913-b9d87fb6c2d4

Object ID : 91fdf564-926b-4eba-aa07-2a5536204bfa

8. From the Manage menu, select **Certificates & secrets**.
9. On the Certificates and Secrets screen, click **+ New client secret**.
 - a. In the **Description** field, enter: **DeltekAjeraKey**.
 - b. Under **Expires**, we recommend that you select **In 2 years**.
 - c. Click **Add** to generate the secret value.

Add a client secret

Description

DeltekAjeraKey

Expires

☐ In 1 year
 ☒ In 2 years
 ☐ Never

Add

Cancel

Client secrets

A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.

+ New client secret

- d. Click the clipboard icon to the right of the secret value to save the value for future use.

You will enter this ID into the **Client Secret** field on the **Microsoft Entra ID** tab in  > **Setup > Company > Preferences > Integration** tab.



This is the only time the client secret will be visible so it's important to ensure you save it for future use.


DeltekAjeraKey

12/15/2022

HcV7XQD-R~-r3irBeorR19-zT-dAXH4~ja

acf3026d-b8f5-43ff-b59b-5a2c17147c77

9. From the Manage menu, select **Authentication**.

 Save  Discard  Got feedback?

Platform configurations

Depending on the platform or device this application is targeting, additional configuration may be required such as redirect URIs, specific authentication settings, or fields specific to the platform.

+ Add a platform

Web

Quickstart Docs

Redirect URIs

The URIs we will accept as destinations when returning authentication responses (tokens) after successfully authenticating users. Also referred to as reply URLs. [Learn more about Redirect URIs and their restrictions](#)

Add URI

Logout URL

This is where we send a request to have the application clear the user's session data. This is required for single sign-out to work correctly.

Implicit grant

Allows an application to request a token directly from the authorization endpoint. Checking Access tokens and ID tokens is recommended only if the application has a single-page architecture (SPA), has no back-end components, does not use the latest version of MSAL.js with auth code flow, or it invokes a web API via JavaScript. ID Token is needed for ASP.NET Core Web Apps. [Learn more about the implicit grant flow](#)

To enable the implicit grant flow, select the tokens you would like to be issued by the authorization endpoint:

- ☐ Access tokens
- ☒ ID tokens

10. On the Authentication screen, under **Redirect URIs**, perform the following actions.

Points to remember:


- Press TAB after you enter each URL.
- The URL entries are case-sensitive.
 - a. In the **Type** field, select **Web** for each URL.
The first URL must be what users use to launch Ajera.
 - b. In the Advanced settings section, under **Implicit grant**, select the **ID Tokens** option.
 - c. In the Default client type section, select **No** in the **Treat application as a public client** field.
 - d. In the Supported account types section, select the **Accounts in this organizational**

- directory only** option.
 - e. Click **Save** at the top.
- 11. From the Manage menu, select **API permissions**.
 - a. On the API Permissions screen, click **Grant admin consent for your domain** at the bottom, to make it available for end-users.
 - b. Click **Yes** to grant consent for the requested permissions.

Setting up the Entra ID integration in Ajera

You must enable the Entra ID integration to use Single Sign-on (SSO) and Two Factor Authentication.

To set up the Entra ID integration

1. From  > **Setup** menu, click **Company > Preferences > Integration** tab.
2. Click the **Microsoft Entra ID** tab.
3. Select the **Enable Windows Authentication** check box.
Enabling this check box turn on Windows Authentication for all active employees.
4. Select the **Enable Windows Authentication Log in Only** check box to make it so all users **must** log in with Windows Authentication.

Note :	<p>If the Enable Windows Authentication Log in Only option is selected:</p> <ul style="list-style-type: none"> • <i>On-premise</i>: The username and password fields on the Ajera log on screen will be disabled. • <i>SaaS</i>: The Microsoft Entra ID 2FA window will be launched for the user to log in using their Windows credentials.
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5. Enter the following information:

Tenant Domain Name (optional)	The domain name for the tenant
Application (Client) ID	<p>The application ID for the Entra ID client account.</p> <p>This was the ID generated in Step 6 of Add and Configure the Deltek Ajera Client Application.</p>
Client Secret	<p>This is the client secret that was generated in Step 8 of Add and Configure the Deltek Ajera Application.</p>
Directory (Tenant) ID	<p>The directory ID for the Entra ID tenant account</p> <p>This was the ID generated in Step 7 of Add and Configure the Deltek Ajera Client Application.</p>

6. Click **Save**.

Log in Using Windows Authentication (SSO)

If the Enable Windows Authentication Log in Only option is selected in **Company > Preferences > Integration > Microsoft Entra ID**:

- *On-premise*: The username and password fields on the Ajera log on screen will be disabled.
- *SaaS*: The Entra ID 2FA window will be launched for the user to log in using their Windows credentials.

To log in using Windows Authentication

1. Launch your company's Ajera URL.
2. On the log on screen, select the **Windows Authentication** check box.
3. Click **Login**.
4. Enter your Windows credentials.
5. Click **Login**.

FAQs for Microsoft Entra ID Active Directory Integration

Is there a fee to use Microsoft Entra ID Active Directory?

No. There is no fee for Microsoft Entra ID Active Directory. There may be fees associated with multi-factor authorization or if you choose to connect a local active directory setup to Entra ID AD.

Does Single Sign-On (SSO) and Two Factor Authentication (2FA) need to be set up before or after moving to Ajera Cloud?

SSO/2FA can be setup before or after migrating to Ajera Cloud. The connection from Ajera to Entra ID will be the same as it is from on-premise.

Is SaaS Administrator Access required to set up SSO?

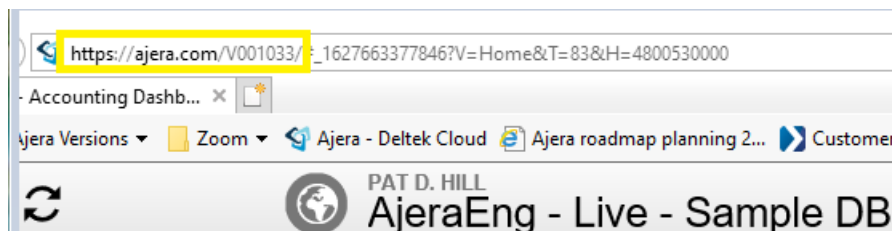
Access to **Company** > **Preferences** in Ajera is needed. SaaS Administrator access is not required.

Where do I find the Ajera customer URL?

On-premise users: Ask your IT professional to provide you with the URL used for Ajera.

Ajera Cloud: When you log in to Ajera, the URL can be found in your browsers URL bar.

For example: The URL in the image below is: **<https://ajera.com/V001003>**



Is it possible to use a separate Active Directory vendor and have it connect to Microsoft Entra ID?

You can use a separate tool for Active Directory and connect that tool to Microsoft Entra ID and then configure the setup between Ajera and Microsoft Entra ID.

Is it possible to do a test run using SSO?

Yes. You are able to setup a sample database to test SSO.

Is SSO available using Mobile Timesheets and using the Deltek Mobile Expense app?

No, SSO is not available for Mobile Timesheets or the Deltek Mobile Expense app.



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Better software means better projects. Deltek delivers software and information solutions that enable superior levels of project intelligence, management and collaboration. Our industry-focused expertise makes your projects successful and helps you achieve performance that maximizes productivity and revenue.

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