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Azure AD Single Sign-On SSO Magento Setup Guide with OAuth/OpenID Connect | Magento OAuth

Integration of Azure AD Login (Azure Active Directory OAuth Single Sign-On) with Magento using OAuth 2.0 Protocol. The Magento OAuth / OpenID Connect Single Sign-On (SSO) extension makes it easy to use OAuth2 to set up Azure AD Login on Magento (Azure AD Single Sign on).

The extension can be set up to connect with other Social Media sources, as well as custom OAuth and OIDC providers. It contains a lot of Single Sign-On (SSO) features, like Attribute Mapping for user profiles, Role Mapping, and so on. In this guide, we'll go over how to set up SSO between Magento and Azure AD. Magento can be configured as a SAML SP to SSO with Azure AD. Click here to learn more about the Magento OAuth Single Sign-On (OAuth & OpenID Connect Client) extension and its features.

The Magento OAuth & OpenID Connect Single Sign-On (SSO) extension makes it possible to log into Magento securely using Azure AD as an OAuth and OpenID Connect provider. You can also use alternative OAuth providers, such as Azure B2C, Office 365, and other custom providers, to configure the plugin. Advanced Single Sign-On features such as user profile Attribute Mapping, Role Mapping, and so on are supported. We'll go over how to set up SSO between Magento and Azure AD in this article. Users should be able to log in to Magento through Azure AD by the end of this guide.

Click here to know more about other features we provide in Magento OAuth Single Sign-On (Oauth & OpenID Connect Client) extension

Pre-requisites : Download And Installation

Installation using Composer:

- Purchase the miniOrange OAuth / OpenID Connect Single Sign On extension from magento marketplace.
- Go to My profile -> My Purchases
- Please ensure you are using correct access keys (My Profile -> Access Keys)
- Paste the access keys in your auth.json file inside your project
- Use the below command to add the extension in your project.

```
"composer require "miniorange/module-oauth" [version]"
```

- You can see the module name and its id* versions in the selector below the extension module name.
- Run the following commands on command prompt to enable the extension.

```
bin/magento setup:di:compile

php bin/magento setup:upgrade
```

Manual Installation:

- Download the miniOrange OAuth / OpenID Connect Single Sign On extension.
- Unzip all contents of the zip inside the MiniOrange/Oauth directory.

```
{Root Directory of Magento} app \ code \ MiniOrange \ Oauth
```

- Run the following commands on command prompt to enable the extension.

```
bin/magento setup:di:compile

php bin/magento setup:upgrade
```


OAuth / OpenID Connect Single Sign On – SSO (OAuth Client)

By miniOrange

Magento OAuth OpenID Connect SSO extension allows login (Single Sign-On) into Magento with your Azure AD, Azure B2C, AWS Cognito, Wso2, Okta, Linkedin, Google, Facebook, Slack, Discord or other custom OAuth 2.0 providers [24/7 SUPPORT]

Tested with 2.4.4

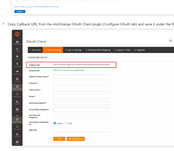
GO TO PLUGIN

Steps to configure Azure AD OAuth & OpenID Single Sign-On (SSO) Login into Magento

1. Setup Azure Active Directory as OAuth Provider

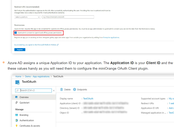
Follow the steps below to configure Azure AD as OAuth Provider

1. Configure Azure AD as OAuth Provider
   - Sign in to Azure portal.
   - Select **Azure Active Directory**

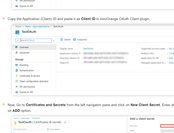


   - In the left-hand navigation pane, click the **App registrations** service, and click **New registration**.

   - Enter the **Name** of your application.



   - Select the **supported account types** checkbox.



   - Select the **platform** as **Web**.

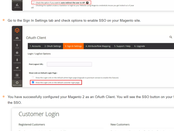
   - Copy Callback URL from the miniOrange OAuth client plugin (Configure OAuth tab) and save it under the Redirect URL textbox.

   - Make sure the "**Grant admin consent to openid and offline_access permissions**" option is enabled. When finished, click **Register**.

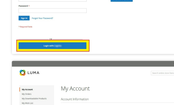
   - Azure AD assigns a unique Application ID to your application. The **Application ID** is your **Client ID** and the **Directory ID** is your **Tenant ID**, keep these values handy as you will need them to configure the miniOrange OAuth Client plugin.

   - Copy the Application (Client) ID and paste it as **Client ID** in miniOrange OAuth Client plugin.

   - Now, Go to **Certificates and Secrets** from the left navigation pane and click on **New Client Secret**. Enter description and expiration time and click on **ADD** button.

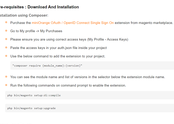


   - Copy the secret key "**value**" and paste it as **Client Secret** under the miniOrange Magento OAuth Client Plugin.

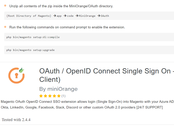


   - Navigate to **API Permission** tab from the left pane and click on **Add a permission** option.

   - Click on **Microsoft Graph**.



   - Select **Delegated Permissions** option.



   - Enable permissions for **Email**, **OpenID**, and **Profile** and click on **Add permission** button.

2. Configuring Magento 2 as OAuth Client

   - After successfully configuring OAuth Provider, go to Oauth Provider tab and configure **OAuth Provider Name**, **Client ID**, **Client Secret**, **Scope** and provided endpoints.

   Please refer below Endpoints to configure the OAuth client

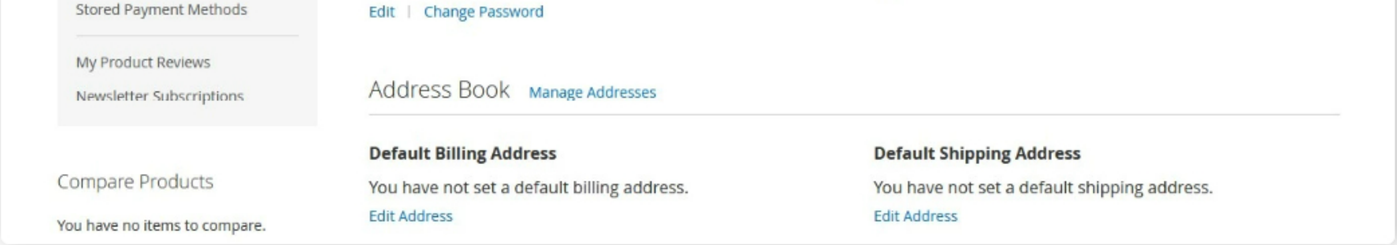
Scope:	openid email profile
Authorize Endpoint:	https://login.microsoftonline.com/{tenant-ID}/oauth2/v2.0/authorize
Access Token Endpoint:	https://login.microsoftonline.com/{tenant-ID}/oauth2/v2.0/token
Get User info Endpoint:	https://graph.microsoft.com/oidc/userinfo

   - Click on the **Save** button to save the settings.
   - Click on the **Test Configuration** button.

   - You will see all the values returned by your OAuth Provider to Magento in a table. If you don't see value for First Name, Last Name, Email or Username, make the required settings in your OAuth Provider to return this information.
   - The miniOrange Premium Plugin also provides you the the feature to **auto redirect your user to the IdP Login Page**.

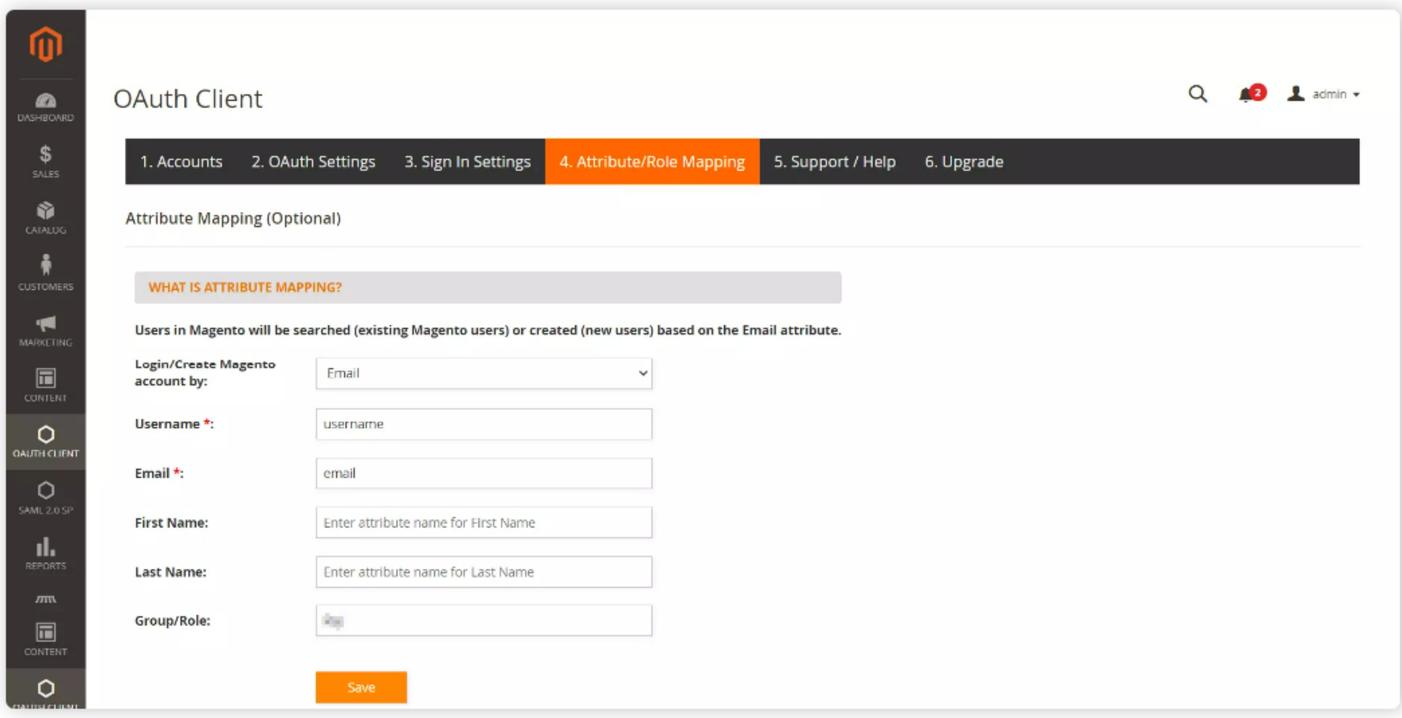
   - Go to the Sign In Settings tab and check options to enable SSO on your Magento site.

   - You have successfully configured your Magento 2 as an OAuth Client. You will see the SSO button on your frontend. Click on the button and test the SSO.



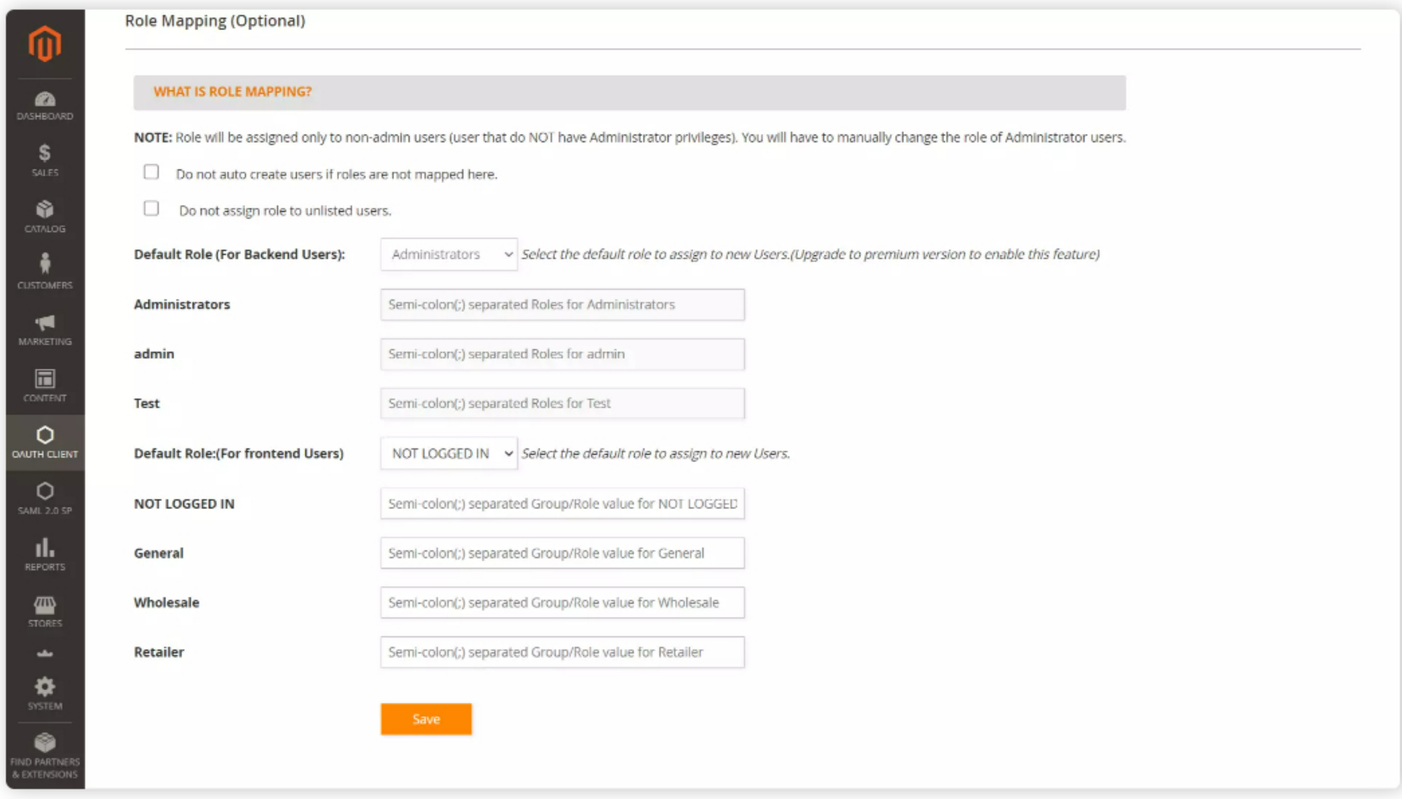
3: Attribute / Custom Mapping (Optional). *This is Premium feature.

- You can map attributes in the Attribute Mapping tab. Only username and email are allowed to be mapped in free version of the plugin. However, in the premium version of the plugin, you can map various attributes coming from your OAuth Provider to the attributes present in your Magento site.



4: Role Mapping (Optional). *This is Premium feature.

- You can specify a default role in the free plugin that will be allocated to all non-admin users when they conduct SSO.
- Go to Attribute/Role mapping tab and navigate to Role Mapping section.
- Select the Default Role and click on the Save button.



By configuring **Azure AD** as an **OAuth Provider** and **Magento** as an **OAuth Client** using our Magento OAuth Client plugin, you have successfully installed Magento Azure AD (Active Directory) Single Sign-On (SSO). Within minutes, you'll be able to provide safe access to your Magento site utilising Azure AD login credentials thanks to this solution.

Additional Resources

- What is Single Sign-On (SSO) Login?
- Azure AD SSO | Azure Single Sign-On (SSO) Login
- Azure AD - Overview
- What is OAuth 2.0?
- How OAuth works?
- Azure AD - What is Azure Active Directory?
- Magento SAML Single Sign On (SSO) Plugin.

If you are looking for anything which you cannot find, please drop us an email on **magentosupport@xecurify.com**

miniOrange
+1 978 658 9387 (US)
+91 97178 45846 (India)
info@xecurify.com
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