# WordPress – User Sync for Azure AD/B2C/Office 365 using Microsoft Graph APIs

User Sync from **Azure AD Office365** to **WordPress** can be achieved by using our **User Sync for Azure AD Office365** plugin. This plugin uses **Microsoft Graph API** to fetch all the user's profiles from the Active Directory to the WordPress database. Seamless support for advanced sync features like Bi-directional user sync, automatic user creation & deletion, integration with SharePoint, PowerBI, Office365, Microsoft teams, OneDrive, Azure AD Profile Picture Sync and integration. In addition to this we also support 3rd party plugins like woo-commerce, Learndash, BuddyPress, Memberpress, Paid Membership etc.

### Steps to configure User Sync for Azure AD Office365 plugin:

If you have already configured Azure AD application then skip step 1 and goto step 2.

#### 1. Configure the Azure AD App registration

Follow the steps below to configure Azure AD Sync plugin:

- Log in to Azure AD Portal https://portal.azure.com/ as an Administrator.
- You will be represented with the home screen of Azure Active Directory.
- Under the Azure Services section, select **Azure Active Directory.**



• In the left tab, under the Manage section, select App registrations tab.

Home >				
Default Directory	Overview			
<ul> <li>Azure Active Directory</li> </ul>				
4	🛇 🐵 Switch tenant 📋 Delete tenant 🕂	Create a tenant 🛛 What's new 🕴 🐱 Preview	w features 🛛 🛇 Got feedback?	
Overview				
Getting started				
Preview features	<ul> <li>Azure Active Directory can help you enable</li> </ul>	remote work for your employees and partners. Learn r	nore	
Diagnose and solve problems	D. fault Dimetant			
120200	Default Directory			
	✓ Search your tenant			
o Users		$\sim$		
Groups	Tenant information	Azure AD Connect		
External Identities	Your role	Status		
Roles and administrators	Global administrator More info	Not enabled		
Administrative units	License	Last supe		
Enterprise applications	Azure AD Free	Sync has never run		
Devices	Tenant ID			
App registrations				
Identity Governance	Primary domain			
Application provy				

• Click on the New Registration option.

Home > Default Directory					
Default Directory	App registrations 🛷 …				×
<ul> <li>Overview</li> <li>Getting started</li> <li>Preview features</li> </ul>	<ul> <li>Hew registration</li> <li>Endpoints</li> <li>All applications</li> <li>Owned applications</li> <li>Start typing a name or Application ID to</li> </ul>	Troubleshooting O Refresh Deleted applications (Preview filter these results	Download     Deview features     Cot feedback?       Applications from personal account		
X Diagnose and solve problems Manage	Display name		Application (client) ID	Created on	Certificates & secrets
🚨 Users					
A Groups					
External Identities					
Roles and administrators					
Administrative units					
Enterprise applications					
📮 Devices					
App registrations					
Identity Governance					
Application proxy					
Licenses					

- Assign the Display Name in the name field and choose the account type.
- In the Redirect URI field, provide the URL of your WordPress site and click on Register button.

Home > Default Directory >
Register an application
* Name
The user-facing display name for this application (this can be changed later).
Supported account types
Who can use this application or access this API?
Accounts in this organizational directory only (Default Directory only - Single tenant)
<ul> <li>Accounts in any organizational directory (Any Azure AD directory - Multitenant)</li> </ul>
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  v e.g. https://example.com/auth
Register an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding from Enterprise
De server d'an en en esta de del com de Desta en Desta en 2
by proceeding, you agree to the microsoft flatform Folicies [5]
Register

- After the registration of an application, Azure AD assigns an unique application ID to your application.
- Naviagte to the Overview tab, in the left pane.
- Copy the Application ID and the Directory ID, this will be your Client ID and Tenant ID.

,Ω Search (Ctrl+/)	« 🔋 Delete 🕀 Endpoints	
R Overview	Display name :	Supported account types : My organization only
Quickstart	Application (client) ID :	Redirect URIs : 1 web, 0 public client
Manage	Directory (tenant) ID :	Application ID URI : Add an Application ID URI
E Branding	Object ID :	Managed application in : TestOAuth
Authentication		
📍 Certificates & secr	ets	
III Token configuratio	on (preview)	
<ul> <li>API permissions</li> </ul>		
🙆 Expose an API		

- From the left navigation pane, navigate to the Certificates & secrets tab.
- Click on New client secret. Enter the description and expiration time and click on the ADD option.

	Add a client secret		
<ul><li>Øverview</li><li>Ø Quickstart</li></ul>	Description Secret Key		
Manage	Expires		
Branding	<ul> <li>In 1 year</li> </ul>		
Authentication	In 2 years		
📍 Certificates & secrets	() Never		
Token configuration (preview)			
-> API permissions	Add Cancel		
Expose an API	A secret string that the application uses to	o prove its identity when requesting a to	ken. Also can be referred to as
R Owners	+ New client secret		
Roles and administrators (Previ	Description	Expires	Value
Manifest			
Support + Troubleshooting	No client secrets have been created for th	is application.	
Troubleshooting			
New support request			

• Copy the value of Secret Key. This will be your Client Secret Key.

Client secrets			
A secret string that the application uses to prove its	identity when requesting a t	oken. Also can be referred to as application password.	
+ New client secret			
Description	Expires	Value	
Secret Key	12/30/2020	MARK Statements	0

C Add API Permissions to your Azure AD Application:

• Go to API Permissions from the left navigation pane and click on Add a permission option.



- Select Microsoft Graph under the Microsoft APIs tab.
- select Application Permissions and search for the User.

# **Request API permissions**

user	×
Permission	Admin consent required
IdentityRiskyUser	
IdentityUserFlow	
TeamsAppInstallation	
TeamsTab	
UserAuthenticationMethod	
UserNotification	
UserShiftPreferences	
User	

• Under User select User.Read.All permission and click on the Add Permissions button.

## **Request API permissions**

( Al	AP	ls

Add permissions

Discard

> U	serAuthenticationMethod		•
> u	serNotification		
<b>&gt;</b> U	serShiftPreferences		
VU	ser (1)		
	User.Export.All ① Export user's data	Yes	ł
	User.Invite.All ① Invite guest users to the organization	Yes	l
	User.ManageIdentities.All ① Manage all users' identities	Yes	l
	User.Read.All ① Read all users' full profiles	Yes	l
	User.ReadWrite.All ① Read and write all users' full profiles	Yes	*

• Click on Grant admin consent for Default Directory and click on Yes on grant admin consent confirmation.

Home > Xecurify > wp_addon	
<sub></sub>	rmissions 🖈 … 🛛 🗙
Search (Ctrl+/)     «      Overview     Quickstart     Integration assistant	Refresh Refresh Refresh Refresh     Got feedback?  Grant admin consent confirmation. Do you want to grant consent for the requested permissions for all accounts in Xecurify? This will update any existing admin consent records this application already has to match what is listed below.     Yes No
Branding     Authentication     Certificates & secrets	Configure the ministions Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions should include all the permissions the application needs. Learn more about permissions and consent the data are supplicated to the consent of the consent process. The list of configured permissions should include the data are supplicated to the consent of the consent process. The list of configured permissions and consent the data are supplicated to the consent of the consent process. The list of configured permissions are consent the consent permission and consent the consent permission and consent process. The list of configured permission are consent permission and consent permission are consent permission.
Token configuration	Add a permission arme Type Description Admin consent requ Status
API permissions	
Expose an API	
App roles	
A Owners	
Roles and administrators   Preview	
0 Manifest	To view and manage permissions and user consent, try Enterprise applications.
Support + Troubleshooting	

You have successfully configured Azure AD app to achieve User Sync into your WordPress Site.

## 2. Configure User Sync for Azure AD Office365 plugin

- Navigate to the User Sync for Azure AD/Office365 plugin.
- Under the **Manage Application** tab, paste the information from the Azure AD App.

Application ID	Paste the <b>Application ID</b> from Azure AD App.
Client Secrets	Paste the <b>Client Secret</b> from the Azure AD App.
Redirect URI	Enter the URL of your WordPress site.
Tenant ID	Paste the <b>Directory ID</b> from Azure AD App.

+ Manage Application	🚨 Profile Mapping	Syncronization	Mail		
ure Microsoft Gra	ph Application				
Basic App Configui	ation				
Configure following settinest the configuration of	ngs to register your Azure AD / Azure B2C Applic your application you will need UserPrincipalName	ation here. You can check your setti e/ID of User.	ngs correctly configured or not using Test Configuration . Please note that to		
ease find the button to	the step by step guide for setting up the follo	owing configurations: Click here	e to open Guide		
ow do you want to sync ers?	AD → WP AD ← WP				
plication ID *	abfbdcc2-5017-44a7-bf95-720be8ec0481				
	Note: You can find the Application ID in your A	Active Directory application's Overvi	ew tab.		
ent Secret *					
	Note: You can find the Client Secret value in yo	our Active Directory application's Ce	rtificates & Secrets tab.		
direct URI *	https://localhost/wordpress/				
	Note: This is your WordPress site URL				
nant ID *	b69720f2-cf8a-47f9-93ba-3be0f24c1e6b				
	Note: You can find the Tenant ID in your Active	e Directory application's Overview ta	b.		
st UPN/ID	Enter UserPrincipalName/Object ID of Use	er To Test (optional)			
	Note: You can find the User Principle Name /	Object ID in the user profile in Users	s tab in your active directory. You can click on Test		

• Click on **Save** button to save the configurations.

### 3. Test Connection

- Enter **UserPrincipleName / ID** of any user of your Azure AD Application and click on the **Save** button.
- Click on the **Test Configuration** to check if correct user attributes are getting for the entered **UserPrincipleName** value.

+ Manage Application	💄 Profile Mapping	Syncronization	💌 Mail
jure Microsoft Gra	ph Application		
Basic App Configur	ation		
Configure following settir test the configuration of y	ngs to register your Azure AD / Azure B2C Appli your application you will need UserPrincipalNam	cation here. You can check your sett ne/ID of User.	ings correctly configured or not using Test Configuration . Please note that to
ease find the button to	the step by step guide for setting up the fol	lowing configurations: Click her	re to open Guide
ow do you want to sync sers?	AD → WP AD ← WP		
pplication ID *	Enter Your Application (Client) ID		
	Note: You can find the Application ID in your	Active Directory application's Overv	iew tab.
lient Secret *	Enter Your Client Secret		
	Note: You can find the Client Secret value in y	your Active Directory application's C	ertificates & Secrets tab.
edirect URI *	https://localhost/wordpress		/
	Note: This is your WordPress site URL		
enant ID *	Enter Your Directory (Tenant) ID		
	Note: You can find the Tenant ID in your Activ	ve Directory application's Overview t	ab.
est UPN/ID	Enter UserPrincipalName/Object ID of Us	er To Test (optional)	]
	Note: You can find the User Principle Name /	Object ID in the user profile in User	rs tab in your active directory. You can click on Test

• On successful configuration you will be to able to view the attributes recieved from Azure AD.

#### Success

#### **Test Attributes:**



@odata.context	https://graph.microsoft.com/beta/\$metadata#users/\$entity		
id	5b6027d5-77fa-427d-b22c-99ea795e38ec		
accountEnabled	1		
createdDateTime	2021-11-22T08:09:35Z		
companyName	miniOrange		
department	IAM		
displayName			
givenName			

#### 4. Sync User to WordPress Database

• Navigate to the WordPress User Sync tab.

C Sync an individual user

- Enter UserPrincipleName / ID of any user of your Azure AD application.
- Click on the **Sync** button to sync your Azure AD user to your WordPress site Database.

	Profile Mapping	Syncronization	Mail
Sync From Azure To Wor	dPress Settings		
eature is useful to sync the users from	n your Active Directory to WordPress Da	tabase using manual provisioning or a	utomatic provisionir
. Manual provisioning			
It provides the feature to sync an ir	ndividual user and to sync all the users a	t once.	
Sync an individual user			
Enter UserPrincipalName/ID of U	Jser To Sync	Sync	
Note: You can find the User Principle	• Name / Object ID of user in the user p	rofile in	
Jsers tab in your active directory.			
Svnc All Users			
Note: This will sync all users from you	ur active directory to WordPress.		
Sync All Users			
	railable in Premium Plugin]		

# C Sync all users

• Click on the **Sync All Users** button to sync your all Azure AD users to your WordPress site Database.

+ Manage Application	🙎 Profile Mapping	Syncronization	💌 Mail
s Sync From Azure To Wo	rdPress Settings		
feature is useful to sync the users fro	m your Active Directory to WordPress Da	atabase using manual provisioning or a	automatic provisior
1. Manual provisioning			
1. Manual provisioning   It provides the feature to sync an i	ndividual user and to sync all the users a	t once.	
<ol> <li>Manual provisioning</li> <li>It provides the feature to sync an i</li> <li>Sync an individual user</li> </ol>	ndividual user and to sync all the users a	t once.	

Sync All Users Note: This will sync all users from your active directory to WordPress. Sync All Users	
2. Automatic provisioning [Available in Premium Plugin]	te the users automatically

Azure AD / B2C to WordPress user sync can be scheduled at a specific time interval. This will create / update the users automatically after the time spcified in the Enable Automatic User Creation field. Number of users synced per request can be configured here in Limit Provising Rate input field.

- The user will be created in the WordPress. If the user already exists then it will get updated.
- Now to view the user attributes which you have sync from Azure AD to WordPress. Navigate to the Users tab in the plugins section.

<ul> <li>Bashboard</li> <li>         ✓ Posts     </li> <li>         Media     </li> </ul>	Users       Add New       Search results for: testuser@moxecurify.onmicrosoft.com         All (54)       Administrator (1)       Subscriber (53)       Pending (0)         Bulk actions         Apply       Change role to		te	Screen Options stuser@moxecurify.or	Help   Help   Search Users  1 item
Pages	Username	Name	Email	Role	Posts
<ul> <li>Comments</li> <li>Activity</li> </ul>	C R 10600b75-dabe-40db-952b-ba1f622dfd16	10600b75-dabe-40db-952b- ba1f622dfd16	testuser@moxecurify.onmicros oft.com	Subscriber	0
💟 Emails	Username	Name	Email	Role	Posts
<ul> <li>Appearance</li> <li>Plugins (3)</li> <li>Users</li> </ul>	Bulk actions <ul> <li>Apply</li> <li>Change role to</li> <li>Change</li> </ul> Change <ul> <li>Change</li> </ul> <ul> <li>Change</li> </ul> <ul> <li>Change</li> <li>Change</li> </ul> <ul> <li>Change</li> <li>Change</li> </ul> <ul> <li>Change</li> </ul> <ul> <li>Change</li> <li>Change</li> <li>Change</li> <li>Change</li> </ul> <ul> <li>Change</li> <li>Change</li> <li>Change</li> <li>Change</li> </ul>				1 item
All Users Add New Profile Manage Signups Profile Fields					

You have successfully configured User Sync for Azure AD Office365.