



How to Setup Federated Authentication in SwyxWare with Azure AD

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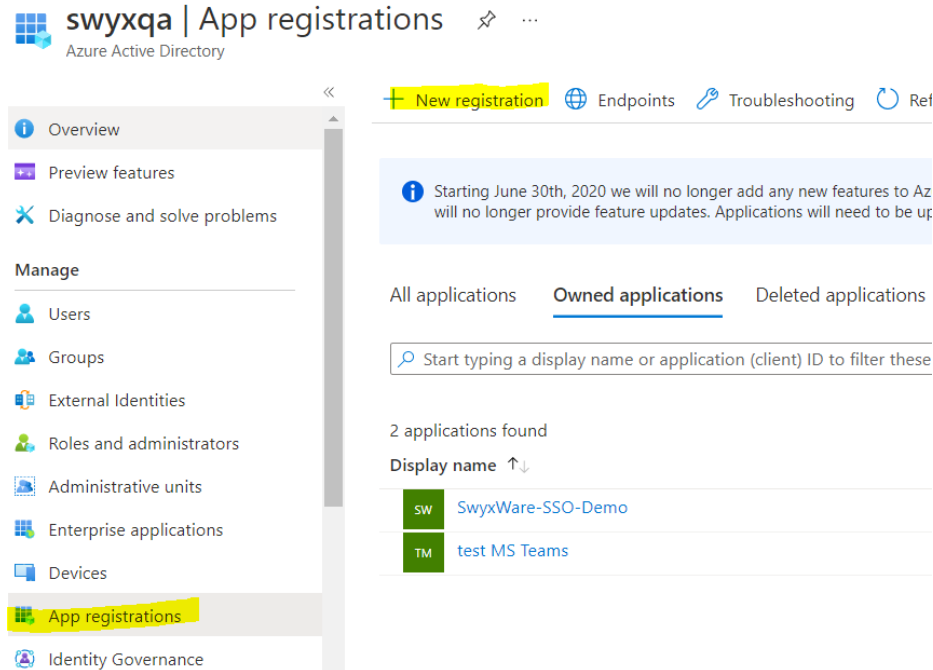
1 Step by Step Instruction

1.1 Open Azure Active Directory in Azure Portal

1.2 Create Service User

Create ad user that can read all users in the directory. (Member User should be sufficient)

1.3 Add App Registration



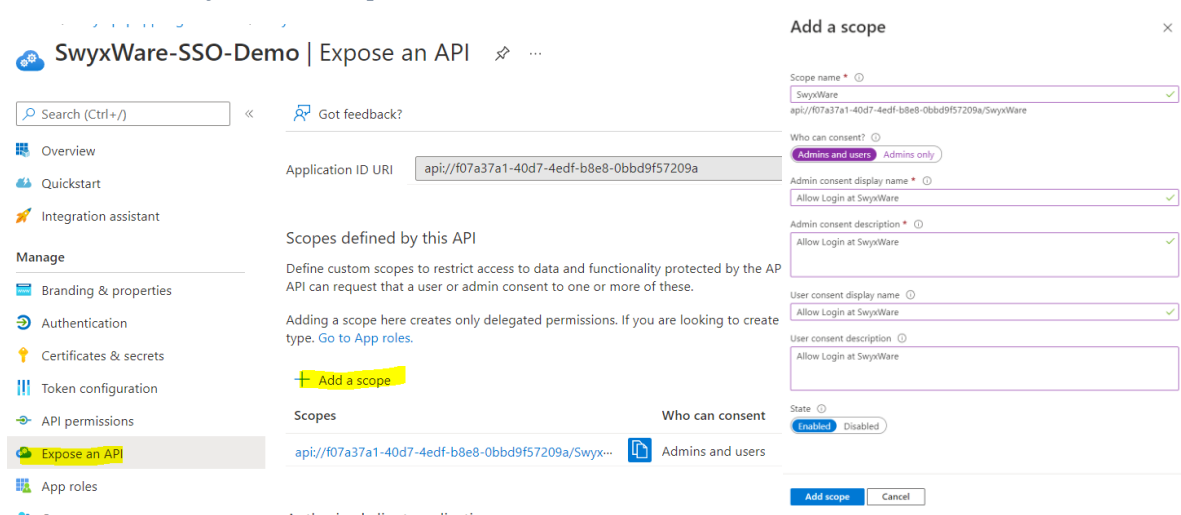
The screenshot shows the Azure Active Directory 'App registrations' page. The left-hand navigation pane includes 'Overview', 'Preview features', 'Diagnose and solve problems', and a 'Manage' section with options like 'Users', 'Groups', 'External Identities', 'Roles and administrators', 'Administrative units', 'Enterprise applications', 'Devices', 'App registrations' (highlighted), and 'Identity Governance'. The main content area has a top navigation bar with 'New registration' (highlighted), 'Endpoints', 'Troubleshooting', and 'Ref'. A blue information banner states: 'Starting June 30th, 2020 we will no longer add any new features to Az will no longer provide feature updates. Applications will need to be up'. Below this, there are tabs for 'All applications', 'Owned applications' (selected), and 'Deleted applications'. A search bar contains the text 'Start typing a display name or application (client) ID to filter these'. It shows '2 applications found' with a table listing 'SwyxWare-SSO-Demo' (with a green 'SW' icon) and 'test MS Teams' (with a green 'TM' icon).

1.4 Enter name, use single tenant and register

Multitenant will work but is not recommended

1.5 Edit App Registration

1.5.1 Add SwyxWare Scope



The screenshot shows the 'Add a scope' dialog box in the Azure Portal. The background shows the 'Expose an API' page for 'SwyxWare-SSO-Demo' with the application ID URI 'api://f07a37a1-40d7-4edf-b8e8-0bbd9f57209a'. The dialog has the following fields: 'Scope name *' with 'SwyxWare' entered; 'Admin consent display name *' with 'Allow Login at SwyxWare' entered; 'User consent display name' with 'Allow Login at SwyxWare' entered; and 'User consent description' with 'Allow Login at SwyxWare' entered. The 'Who can consent?' dropdown is set to 'Admins and users'. The 'State' is set to 'Enabled'. 'Add scope' and 'Cancel' buttons are at the bottom.

1.5.2 Add Permissions

Configured permissions

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](#)

[+](#) Add a permission [✓](#) Grant admin consent for swyxqa

API / Permissions name	Type	Description	Admin consent requ...	Status
▼ Microsoft Graph (3) ⋮				
User.Read	Delegated	Sign in and read user profile	No	✓ Granted for swyxqa ⋮
User.Read.All	Delegated	Read all users' full profiles	Yes	✓ Granted for swyxqa ⋮
User.ReadBasic.All	Delegated	Read all users' basic profiles	No	✓ Granted for swyxqa ⋮

1.5.3 Allow Public Client Flows

[Home](#) > [swyxqa | App registrations](#) > [SwyxWare-SSO-Demo](#)

<< [Got feedback?](#)

- Overview
- Quickstart
- Integration assistant
- Manage**
- Branding & properties
- Authentication**
- Certificates & secrets
- Token configuration
- API permissions
- Expose an API
- App roles
- Owners
- Roles and administrators
- Manifest

Supported account types

Who can use this application or access this API?

Accounts in this organizational directory only (swyxqa only - Single tenant)

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

[Help me decide...](#)

⚠ Due to temporary differences in supported functionality, we don't recommend enabling personal Microsoft accounts for an existing registration. If you need to enable personal accounts, you can do so using the manifest editor. [Learn more about these restrictions.](#)

Advanced settings


Allow public client flows [ⓘ]

Enable the following mobile and desktop flows:

- App collects plaintext password (Resource Owner Password Credential Flow) [Learn more](#)

Yes No


1.5.4 Add Redirect Url swyxware://auth

 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](#)

Mobile and desktop applications Quickstart Docs 

Redirect URIs

The URIs we will accept as destinations when returning authentication responses (tokens) after successfully authenticating users. The redirect URI you send in the request to the login server should match one listed here. Also referred to as reply URLs. [Learn more about Redirect URIs and their restrictions](#)

- <https://login.microsoftonline.com/common/oauth2/nativeclient> 
- https://login.live.com/oauth20_desktop.srf (LiveSDK) 
- <msalf07a37a1-40d7-4edf-b8e8-0bbd9f57209a://auth> (MSAL only) 

[swyxware://auth](#) 

[Add URI](#)

1.6 Configure Identity Provider in Swyx Control Center

1.7 Every Time the Submit button is pressed

1.7.1 SwyxWare is fetching all user info

1.7.2 SwyxWare is trying to assign ad account to SwyxWare accounts by matching email address. See CDS Traces and database table FederatedIdentity

2 Beta Restrictions

2.1 Mapping between AD accounts and SwyxWare accounts

- Only on pressing submit button in Federation Config
- Mapping only by email address
- If the password of the service account expires there will be no synchronization any longer

3 What's planned

- Interactive assignment in the Swyx Control Center

4 Document History

Version	Date	Remarks	Editor
1.0	12.9.2022	Initial Release	Product Owner