

Azure Directory Sync Integration



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Connect Axios HQ to Azure Active Directory via our guide below. In order to finalize this integration, we will need the following information, which will be generated as you move through the setup process:

- **Application (client) ID**
- **Directory (tenant) ID**
- **Client credentials Secret ID and Value.** Note that the secret values can only be viewed once, immediately after creation. Be sure to save the secret before leaving the page.

1. Register a new application

The screenshot shows the Azure portal interface. On the left sidebar, the 'App registrations' option is highlighted. The main content area displays the 'Register an application' page. The form includes a 'Name' field, a 'Supported account types' section with radio buttons for 'Accounts in this organizational directory only (Axios Media only - Single tenant)', 'Accounts in any organizational directory (Any Azure AD directory - Multitenant)', and 'Personal Microsoft accounts only'. There is also a 'Redirect URI (optional)' section with a dropdown for 'Select a platform' and a text input field. At the bottom, there is a 'Register' button and a link to 'Microsoft Platform Policies'.

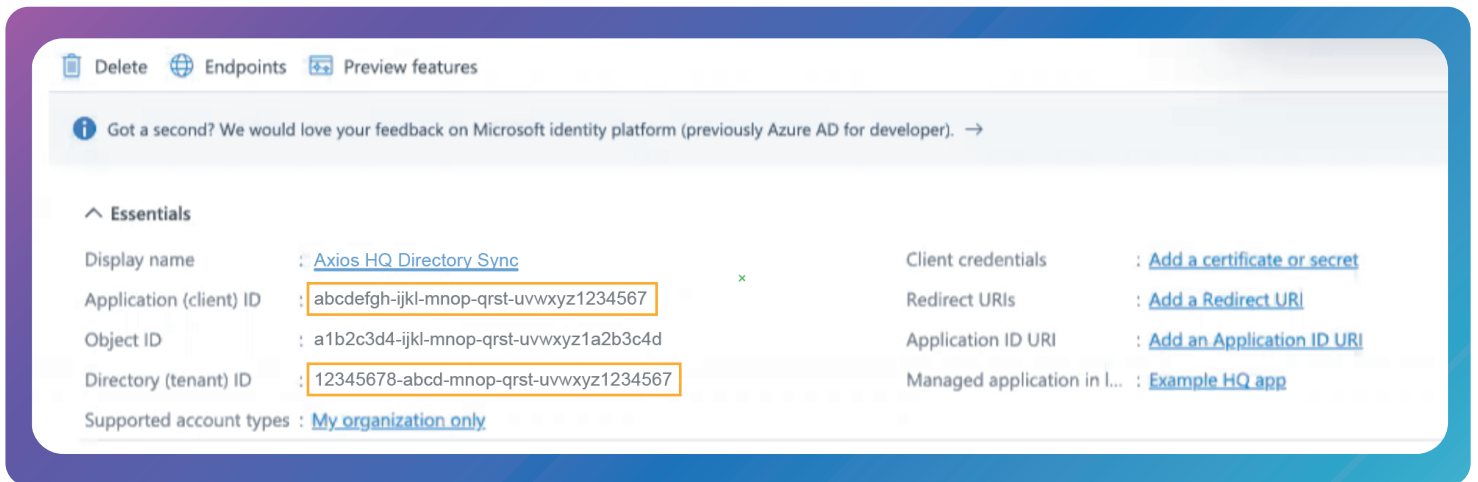
Open Azure and select App Registrations on the left sidebar.

Click **+New registration** and register a new private application with the following:

- Name: Axios HQ Directory Sync
- Account Type: Accounts in this organizational directory only
- Redirect URI: Skip this section

Select Register

2. Provide IDs to Axios HQ

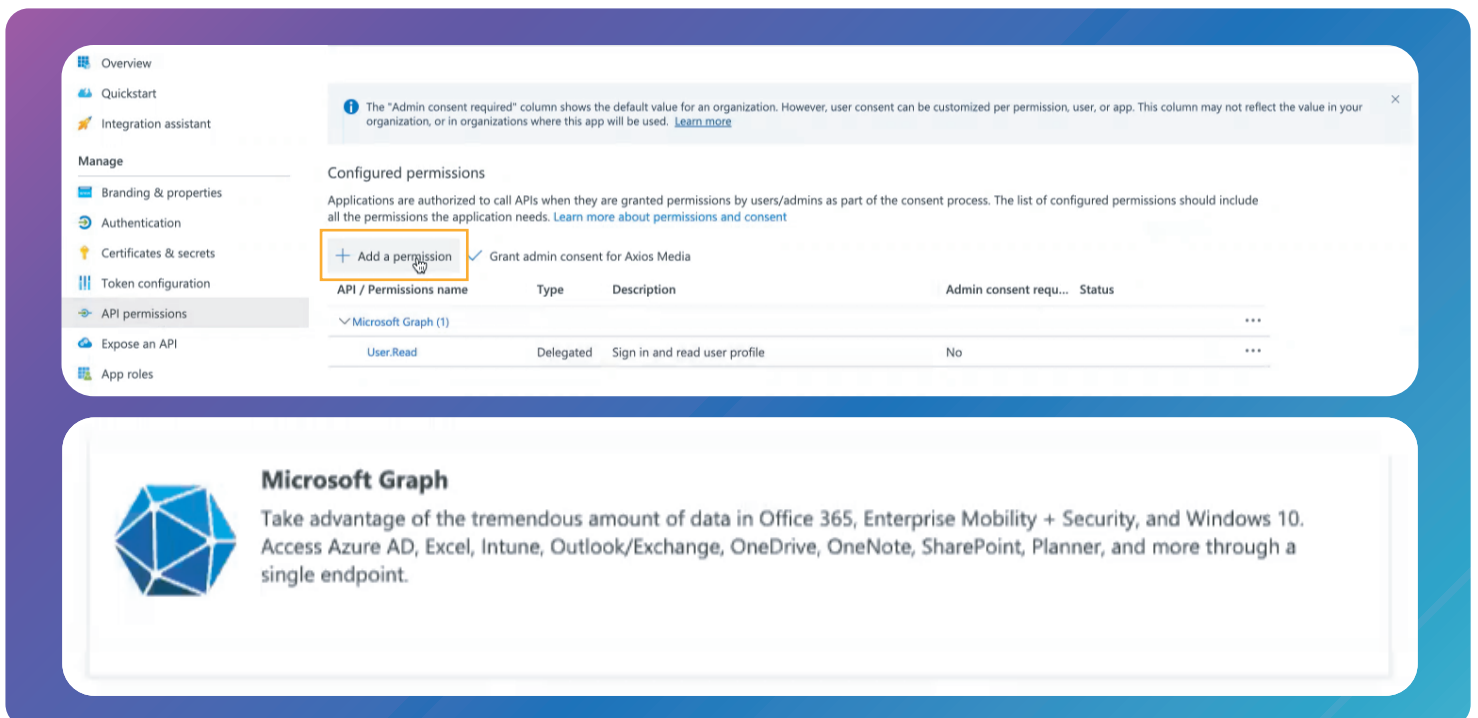


The screenshot shows the 'Essentials' section of an application registration page. The 'Application (client) ID' and 'Directory (tenant) ID' fields are highlighted with orange boxes. The 'Application (client) ID' is 'abcdefgh-ijkl-mnop-qrst-uvwxyz1234567' and the 'Directory (tenant) ID' is '12345678-abcd-mnop-qrst-uvwxyz1234567'. Other fields include 'Display name' (Axios HQ Directory Sync), 'Object ID' (a1b2c3d4-ijkl-mnop-qrst-uvwxyz1a2b3c4d), 'Supported account types' (My organization only), 'Client credentials' (Add a certificate or secret), 'Redirect URIs' (Add a Redirect URI), 'Application ID URI' (Add an Application ID URI), and 'Managed application in l...' (Example HQ app).

Once registered, you will be redirected to your application Overview

- Copy the Application (client) ID and provide it to Axios HQ
- Copy the Directory (tenant) ID and provide it to Axios HQ

3. Add API Permissions



The screenshot shows the 'API permissions' section of the application overview page. The 'API permissions' link in the left sidebar is highlighted. The 'Add a permission' button is highlighted with an orange box. The 'Configured permissions' section shows a table with one permission: 'User.Read' under 'Microsoft Graph (1)'. The 'Admin consent required' column is 'No' and the 'Status' is '...'. A tooltip is visible at the top right, explaining the 'Admin consent required' column.

Microsoft Graph
Take advantage of the tremendous amount of data in Office 365, Enterprise Mobility + Security, and Windows 10. Access Azure AD, Excel, Intune, Outlook/Exchange, OneDrive, OneNote, SharePoint, Planner, and more through a single endpoint.

Go to API permissions on the left sidebar and select **+ Add a permission**

In the Request API Permissions window, select Microsoft Graph

3. Add API Permissions (cont.)

What type of permissions does your application require?

Delegated permissions
Your application needs to access the API as the signed-in user.

Application permissions
Your application runs as a background service or daemon without a signed-in user.

Select permissions expand all

Group

Permission Admin consent required

> Calls

Group (1)

Group.Create
Create groups Yes

Group.Read.All
Read all groups Yes

Group.ReadWrite.All
Read and write all groups Yes

GroupMember (1)

Add permissions Discard

+ Add a permission Grant admin consent for Axios Media

API / Permissions name	Type	Description	Admin consent requ...	Status
Group.Read.All	Application	Read all groups	Yes	Granted for Axios Media
GroupMember.Read.All	Application	Read all group memberships	Yes	Granted for Axios Media
User.Read.All	Application	Read all users' full profiles	Yes	Granted for Axios Media

Select Application permissions

Remove the following:

- User.Read (Type: Delegated)

Replace with the following:

- GroupMember.Read.All
- Group.Read.All
- User.Read.All

Select Grant admin consent

4. Review attributes

Axios HQ's Azure sync currently only requires the following attributes:

Group Attributes

- id
- displayName
- description
- mail
- visibility
- securityEnabled
- groupTypes

User Attributes

- id
- displayName
- mail
- userPrincipalName
- accountEnabled

5. Add Client credentials

The screenshot shows the Microsoft identity platform interface for configuring client credentials. It is divided into three main sections:

- Essentials:** A summary of application details including Display name (Axios HQ Directory Sync), Application (client) ID, Object ID, Directory (tenant) ID, and Supported account types (My organization only). On the right, there are links for Client credentials (Add a certificate or secret), Redirect URIs (Add a Redirect URI), Application ID URI (Add an Application ID URI), and Managed application in I... (Example HQ app).
- Client secrets (0):** A section with a heading "A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password." It features a "+ New client secret" button and a table with columns: Description, Expires, Value, and Secret ID. Below the table, it states "No client secrets have been created for this application."
- Client secrets (1):** A section showing one client secret. The table has columns: Description, Expires, Value, and Secret ID. The "Value" column contains a masked string of asterisks, and the "Secret ID" column contains a long alphanumeric string. There are copy and delete icons at the end of the row.

Navigate back to the Overview

Under the **Essentials** heading, select **Client credentials: Add a certificate or secret**.

Click **+New client secret** and add a client secret; give your secret a description, and choose an expiration date.

- We recommend the longest amount of time possible. When this secret expires, your users will no longer be able to access your directory through HQ.

Copy the **Secret ID** and **Value** and provide them to Axios HQ.

- **The value will not be shown again.**
- Note that the secret values can only be viewed once, immediately after creation. Be sure to save the secret before leaving the page.

6. Selecting Groups (optional)

Axios HQ allows you to sync your **entire Azure directory** or **up to 15 specific groups**. If you would like to limit the groups that sync to Axios HQ, please provide their Azure Object Ids.

<input type="checkbox"/>	Name ↑	Object Id	Group type
<input type="checkbox"/>	AD AAD DC Administrators	87654321-z1a3-ba43-c123-zab987654321	Security
<input type="checkbox"/>	AL All-Staff	12345678-a123-b123-c123-abc123456789	Security

Navigate to Groups on the left sidebar.

Copy the **Object Ids** for the groups you would like to sync and provide them to Axios HQ.

7. Finalizing your setup

Use [this document](#) as an outline to provide Axios HQ the following required information:

Setup Owner:

- **Setup owner name and email address:** this should be the best person for us to reach out to if we have any questions. Typically, this is whomever established this connection, an IT contact, or the Organization Owner.

Application Registration Details:

- Application (client) ID
- Directory (tenant) ID
- Client credentials Secret ID
- Client credentials Value

8. Optional Fields

Include the following fields if they apply to your directory:

Groups:

Axios HQ allows you to sync **your entire Azure directory** or **up to 15 specific groups**. If you would like to limit the groups that sync to Axios HQ, please provide their Azure Object Ids.

- **Azure Object Ids**, separated by commas

Additional Information:

Azure Government is a version of Azure that, compared to Azure Global, provides extra protection by limiting potential access to systems. It is something the Axios HQ team must note during setup.

Is your team using Azure Government?

- **Yes**, our team is using Azure Government
- **No**, our team is using Azure Global

Usernames are leveraged by some organizations in place of email addresses. Axios HQ can use the “username” field if no email address is provided.

Should Axios HQ set the “username” field as a fallback?

- **Yes**, use the “username” field as a fallback for email addresses
- **No**, we do not use the “username” field as a fallback

9. Sending your information to Axios HQ

Use [this secure link](#) to send your text document containing:

- Setup Owner Name and Email Address
- Application (client) ID
- Directory (tenant) ID
- Client credentials Secret ID
- Client credentials Value
- Any additional optional fields

What your users can expect

Availability:

- Your recipients are available after individually syncing a group.




Adding groups to your audience:

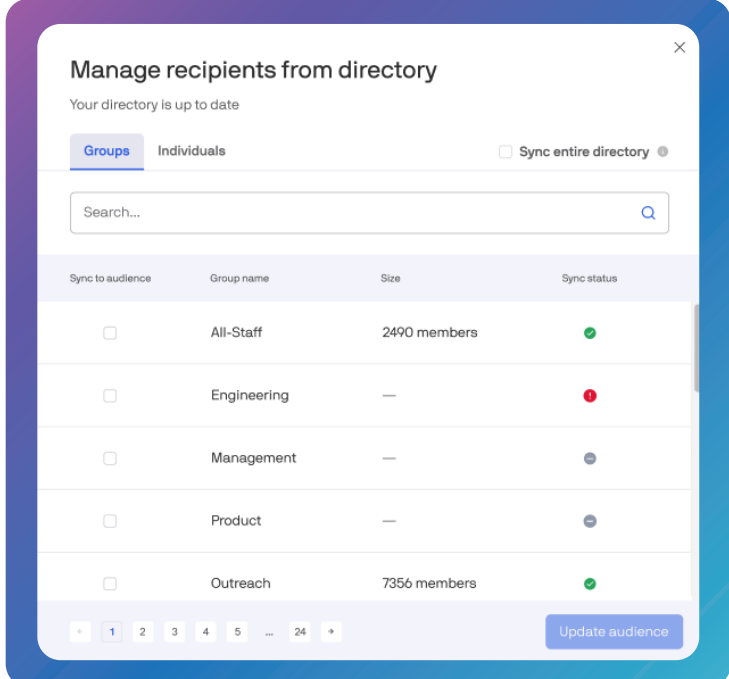
- To sync a directory group to your HQ audience, check the “Sync to audience” box and then click “Update audience.” Your directory will sync, and your group members will populate. This may take a few moments.
- The “Sync entire directory” checkbox is not currently operational for this type of Azure sync. If you would like to sync your whole audience, please connect an All Staff list.

Updates:

- Your synced groups will update weekly; this means any members added or removed will be reflected on Monday.
- If you prefer to update your group before then, you can manually remove the group from your audience and re-sync it for an immediate update.

Sync Statuses:

-  Your directory group successfully synced. You can send to this group!
-  Your directory group encountered an error and did not sync. Please try again or contact your account manager to troubleshoot.
-  Your directory group has not been synced. Check the “Sync to audience” box and then click “Update audience.”



Manage recipients from directory

Your directory is up to date

Groups Individuals Sync entire directory

Search...

Sync to audience	Group name	Size	Sync status
<input type="checkbox"/>	All-Staff	2490 members	
<input type="checkbox"/>	Engineering	—	
<input type="checkbox"/>	Management	—	
<input type="checkbox"/>	Product	—	
<input type="checkbox"/>	Outreach	7356 members	

1 2 3 4 5 ... 24

Update audience

In this example, **All-Staff** and **Outreach** have successfully synced. **Engineering** has encountered an error. To bring in another group, such as **Management**, simply select the “Sync to audience” check box and click “Update audience.”