# Install the Update Sync from Microsoft Entra ID

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# Installing the Skolon Update Sync from Microsoft Entra ID

This guide will walk you through the process of setting up the Skolon update sync with your Microsoft Entra ID (formerly Azure AD). This secondary sync allows Skolon to fetch data from your Microsoft Entra tenant and use it to update existing users within the Skolon platform.

**Important:** This update sync requires that your organization either already has a primary synchronization method in place that creates the users in Skolon, or that users have been created through other means. The update sync does not create new users; it only updates existing ones.

## How it Works

The Skolon update sync utilizes the Microsoft Graph API to retrieve user information from your Entra ID tenant. Specifically, it uses the following end-point:

```
GET https://graph.microsoft.com/v1.0/users
```

## Attribute Mapping

The table below details how Skolon attributes are mapped to the corresponding attributes in your Microsoft Entra ID. Please note that some mappings can be configured further within the Skolon Data Hub.

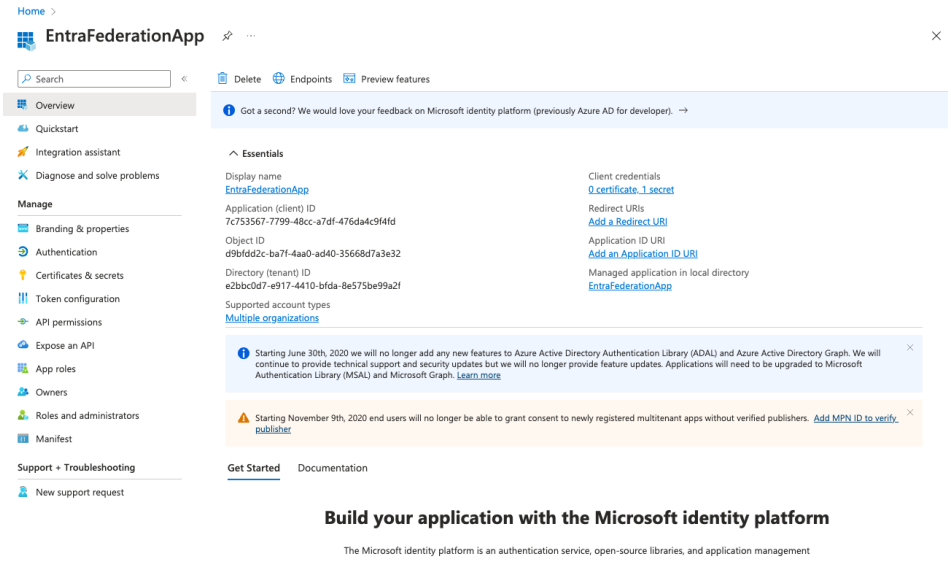
| Skolon Attribute | Entra Attribute | Comment |
|---|---|---|
| External Id | `id` | |
| User name | `userPrincipalName`, `mail`, `otherMails` | Can be configured in Skolon Data Hub. |
| E-mail | `mail`, `otherEmails` | Can be configured in Skolon Data Hub. |
| Idp identifier | `userPrincipalName`, `mail`, `otherMails`, `onPremisesImmutableId` | Can be configured in Skolon Data Hub. |
| First name | `givenName` | |
| Last name | `surname` | |
| City | `city` | |
| Address | `streetAddress` | |
| Zip code | `postalCode` | |
| Birth date | `birthday` | |
| Home phone number | `mobilePhone` | |
| Mobile phone number | `mobilePhone` | |
| EPPN | `mail`, `otherMails`, `userPrincipalName`, `extensionAttribute1` - `extensionAttribute15` | Can be configured in Skolon Data Hub. |
| SSN | `extensionAttribute1` - `extensionAttribute15` | |

## Configuration Steps in Microsoft Entra ID

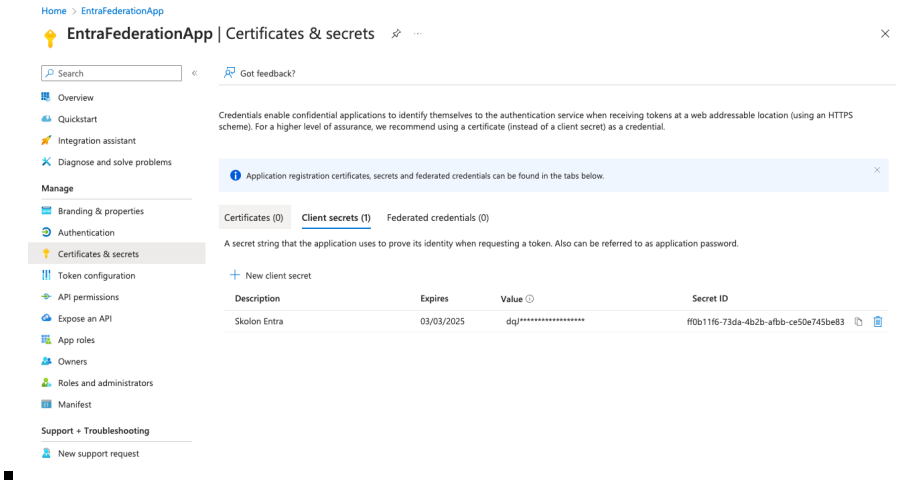
To enable Skolon to securely connect and retrieve data from your Microsoft Entra tenant, you need to register an application within your Entra ID and provide Skolon with its credentials. These credentials will be entered into the Skolon Data Hub when you set up the update sync.

Follow these steps:

1. **Register a New Application in Microsoft Entra ID:**
    - For detailed instructions on how to register an application, please refer to the official Microsoft documentation: [How to register an app in Microsoft Entra ID - Microsoft identity platform]
2. **Grant API Permissions:**
    - Once the application is created, you need to grant it the necessary permissions. The Skolon update sync requires the following permission:
        - **`User.Read.All`** (Application permission) - This allows the application to read the full profile of all users in your organization.
3. **Obtain Application Credentials:**
    - You will need two pieces of information from the application you created in Microsoft Entra ID to configure the sync in Skolon Data Hub:
        - **Application (client) ID:** This is referred to as "Client Id" in the Skolon Data Hub.




        - **Client Secret Value:** This is referred to as "Client Secret" in the Skolon Data Hub. Ensure you copy the **Value** of the client secret, not the Secret ID. **Important:** Client secret values cannot be viewed again after you leave the blade in Azure. Copy the value immediately after creation and store it securely until you can enter it into the Skolon Data Hub.




## Configuring the Sync in Skolon Data Hub

Once you have the Application (client) ID and the Client Secret Value from your Microsoft Entra ID application:

1. Log in to the Skolon Data Hub together with your Skolon Representative.
2. Navigate to the section for setting up a new sync or editing an existing one.
3. When prompted, enter the **Application (client) ID** into the "Client Id" field.
4. Enter the **Client Secret Value** into the "Client Secret" field.
5. Complete any additional configuration steps as required within the Skolon Data Hub, such as customizing attribute mappings if needed.

By following these steps, you will successfully install and configure the Skolon update sync from your Microsoft Entra ID, ensuring your user data in Skolon stays up-to-date with your organization's directory. If you encounter any issues, please consult the Skolon support resources or contact our support team.