

To allow users to sign up for an account using Microsoft Entra ID (formerly Azure AD) with options for Microsoft accounts, Google accounts, or email, you can follow these steps:

1. Set Up Microsoft Entra ID

- **Create an External Tenant:** If you don't already have one, create an external tenant in Microsoft Entra ID.
- **Enable Self-Service Sign-Up:** Ensure that self-service sign-up is enabled for your tenant.

2. Configure Identity Providers

- **Microsoft Account:** This is typically already available if you're using Microsoft Entra ID.
- **Google Account:**
 1. **Create a Google Application:** Go to the Google Developers Console and create a new project.
 2. **Set Up OAuth 2.0:** Configure OAuth consent screen and create OAuth credentials.
 3. **Add Google as an Identity Provider:** In the Microsoft Entra admin center, navigate to **External Identities > All Identity Providers > Google** and add the necessary details from your Google application¹(<https://learn.microsoft.com/en-us/entra/external-id/customers/how-to-google-federation-customers>).

3. Create a User Flow

- **Sign-Up and Sign-In User Flow:**
 1. **Navigate to User Flows:** In the Microsoft Entra admin center, go to **Identity > External Identities > User flows**.
 2. **Create New User Flow:** Select **New user flow** and choose **Sign up and sign in**.
 3. **Configure Sign-In Methods:** Select the sign-in methods you want to offer (Microsoft account, Google account, and email).
 4. **Customize Attributes:** Add any custom attributes you want to collect during sign-up²(<https://learn.microsoft.com/en-us/entra/external-id/customers/how-to-user-flow-sign-up-sign-in-customers>).

4. Integrate with Your Application

- **Frontend Integration:** Update your application's frontend to use the user flow you created. This typically involves redirecting users to the Microsoft Entra ID sign-in page.
- **Backend Integration:** Ensure your backend can handle the tokens and claims provided by Microsoft Entra ID after authentication.

Example Configuration for Google Identity Provider

1. Create Google Application:

- Go to the Google Developers Console.
- Create a new project and configure OAuth consent screen.
- Create OAuth credentials and note the client ID and client secret.

2. Add Google Identity Provider in Microsoft Entra:

- In the Microsoft Entra admin center, navigate to **External Identities > All Identity Providers > Google**.
- Enter the client ID and client secret from your Google application.
- Configure the redirect URIs as specified by Microsoft Entra ID¹(<https://learn.microsoft.com/en-us/entra/external-id/customers/how-to-google-federation-customers>).

Example User Flow Creation

1. Create User Flow:

- In the Microsoft Entra admin center, go to **Identity > External Identities > User flows**.
- Select **New user flow** and choose **Sign up and sign in**.
- Name your user flow (e.g., "SignUpSignIn").
- Select the identity providers (Microsoft, Google, Email) and configure any additional attributes you want to collect²(<https://learn.microsoft.com/en-us/entra/external-id/customers/how-to-user-flow-sign-up-sign-in-customers>).

By following these steps, you can set up a seamless sign-up experience for your users, allowing them to use their preferred identity provider.

Would you like more detailed guidance on any specific part of this setup?

¹(<https://learn.microsoft.com/en-us/entra/external-id/customers/how-to-google-federation-customers>):

[Microsoft Learn - Add Google as an identity provider](https://learn.microsoft.com/en-us/entra/external-id/customers/how-to-google-federation-customers)

²(<https://learn.microsoft.com/en-us/entra/external-id/customers/how-to-user-flow-sign-up-sign-in-customers>): [Microsoft Learn - Create a User Flow](https://learn.microsoft.com/en-us/entra/external-id/customers/how-to-user-flow-sign-up-sign-in-customers)

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(1) Add Google as an identity provider - Microsoft Entra External ID. <https://learn.microsoft.com/en-us/entra/external-id/customers/how-to-google-federation-customers>.

(2) Create a User Flow - Microsoft Entra External ID. <https://learn.microsoft.com/en-us/entra/external-id/customers/how-to-user-flow-sign-up-sign-in-customers>.

(3) Microsoft Entra ID Beginner's Tutorial (Azure Active Directory). <https://www.youtube.com/watch?v=0qZzcK1mHwA>.

(4) Microsoft Entra ID The Complete Beginners Guide. <https://www.youtube.com/watch?v=ThT3n2Yass4>.

(5) User sign-in with Microsoft Entra pass-through authentication. <https://learn.microsoft.com/en-us/entra/identity/hybrid/connect/how-to-connect-pta>.

(6) Microsoft Entra ID (formerly Azure AD) user provisioning and single sign-on.

<https://cloud.google.com/architecture/identity/federating-gcp-with-azure-ad-configuring-provisioning-and-single-sign-on>.

(7) Quickstart - Get started guide - Microsoft Entra External ID. <https://learn.microsoft.com/en-us/entra/external-id/customers/quickstart-get-started-guide>.

(8) undefined. <https://accounts.google.com/signup>.

(9) undefined. <https://login.microsoftonline.com>.

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