LastPass · · · ·

Microsoft Azure Active Directory Integration

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This guide provides setup instructions for using LastPass Enterprise with Microsoft Azure Active Directory as your Identity Provider (IdP).

Summary

LastPass supports the following provisioning features:

- Create Users
- Update User Attributes
- Sync User Groups
- Deactivate or Disable Users

Completing <u>only</u> the SCIM Provisioning steps for Azure Active Directory (outlined in this guide) will still require the user to create and remember a separate Master Password to log in to LastPass, which is used to create the unique encryption key for their LastPass Vault.

LastPass Enterprise does support federated login with Azure Active Directory, which allows users to log into LastPass using their Azure Active Directory account. To set up federated login with Azure Active Directory, you must first complete the steps outlined in this SCIM integration guide, then additionally complete the steps outlined in the Set Up Federated Login for LastPass Enterprise Using Azure Active Directory article.

System Requirements

Syncing users from Azure AD to LastPass requires:

- An active Premium subscription to Microsoft Azure AD
- An active trial or paid LastPass Enterprise account
- An active LastPass Enterprise admin (required when activating your trial)

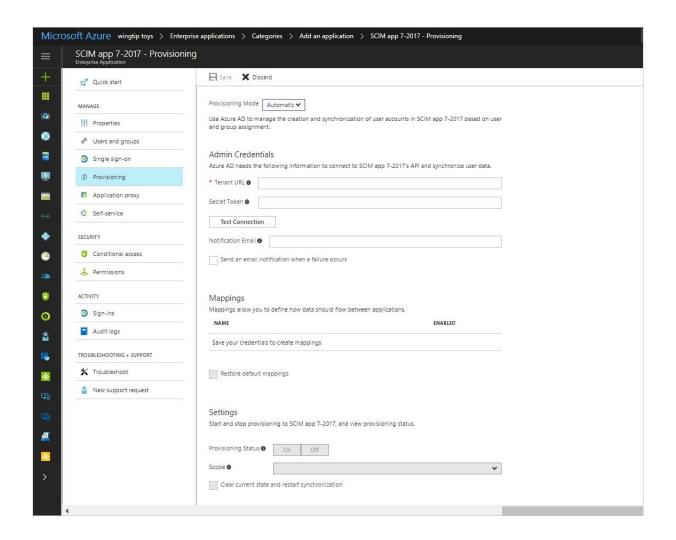
The LastPass Azure AD SCIM Provisioning does not require any software

installation.

Installation & Setup

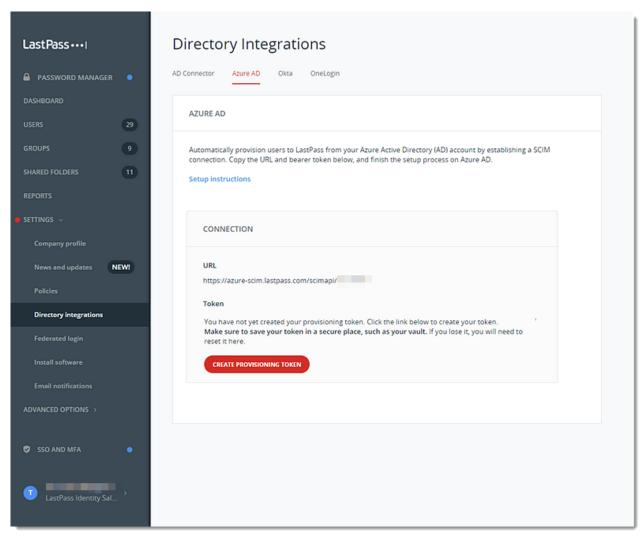
To register and integrate your LastPass Enterprise Directory with your organization's Azure AD:

- 1. Sign in to the Azure AD portal at https://portal.azure.com.
- 2. Go to Azure Active Directory > Enterprise Applications > New application > All > Non-gallery application.
- 3. Enter a name for your application and click **Add** to create an app object. The application object created is intended to represent the target app (for which you would be provisioning and setting up single sign-on, not just as the SCIM endpoint).
- 4. In the resulting screen, select **Provisioning** tab in the left column.
- 5. For Provisioning Mode, use the drop-down menu to select **Automatic**.





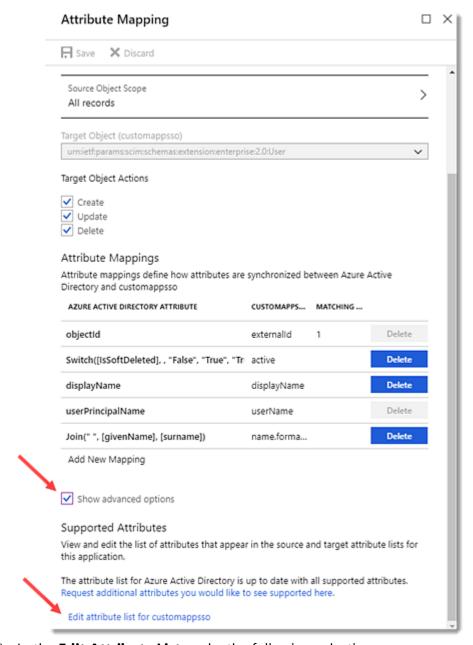
6. In the Tenant URL field, enter the URL provided in the <u>LastPass Enterprise Admin Console</u> (go to **Settings** > **Directory Integrations** and select the **Azure AD** tab.



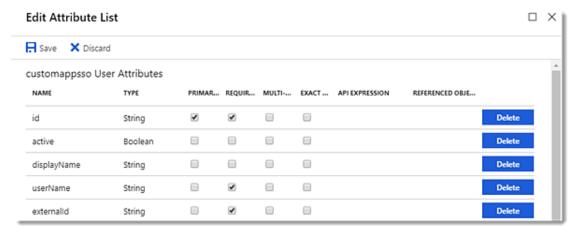
7. The SCIM endpoint requires an OAuth bearer token from LastPass. In the LastPass Enterprise Admin Console, click **Create Provisioning Token**, then copy the provided token. In the Azure AD portal, paste the copied token into the Secret Token field.

NOTE: Once the admin navigates away from the Azure AD tab within the Directory Integrations page, the Provisioning Token will no longer be accessible through the Admin Console. If the Token is lost, a new one can be generated, but this will invalidate the previous code. Any process that used the old Token will need to be updated with the new one. A new Provisioning Token can be generated by navigating back to the Azure AD tab and clicking **Reset Provisioning Token**.

- 8. Click **Test Connection** to have Azure Active Directory attempt to connect to the SCIM endpoint. If the attempts fail, error information is displayed.
- If the connection test succeeds, click Save to save the admin credentials.
- 10. In Provisioning settings, select **Mappings**.
- 11. First, modify user object mappings:
 - a) Check the box for **Show advanced options** at the bottom of Attribute Mapping.
 - b) Click **Edit attribute list for ...**.

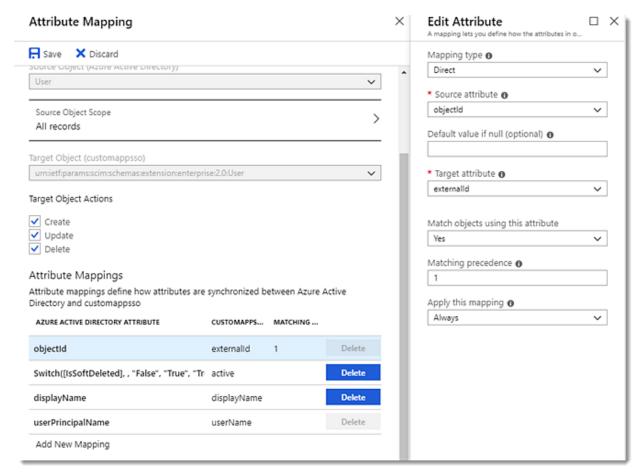


- c) In the **Edit Attribute List**, make the following selections:
 - Name = id, Type = String Check the boxes for Primary and Required
 - Name = userName, Type = String Check the box for Required
 - Name = externalID, Type = String Check the box for Required
- d) Click **Save** and return to Attribute Mapping.

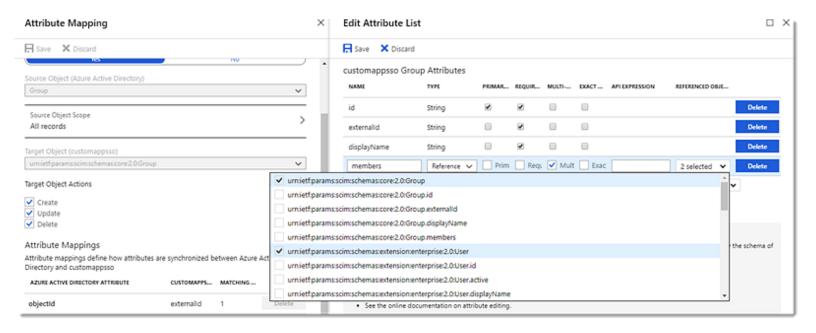


- 12. Set 4 Attribute Mapping rules. By default, Azure may have created mappings already, but those can be modified or deleted if needed. Only the required 4 mappings should be present after editing, and must be configured correctly:
 - a) **ExternalID** Use the objectID attribute from Azure AD and set this as a matching attribute with Precedence set as **1**.
 - **TIP!** This should be the only mapping with any Precedence set. For any existing mapping you have set with a Precedence, set that mapping's Precedence to greater than 1, then create the ExternalID mapping outlined above and delete all unneeded mappings.
 - b) **Active** The default Azure AD mapping can be used, or a custom one which will be used to set the user as enabled/disabled in LastPass.
 - c) **DisplayName** Use any property from Azure AD. This should be a string which will be the synchronized user's name in LastPass.
 - d) **UserName** Map the user's email address from Azure AD. Please note that the userPrincipalName might not be equal to the email address. In this case, use an attribute from Azure AD which contains the email address the user will utilize and can read (e.g., Mail or in most cases, userPrincipalName should be fine).



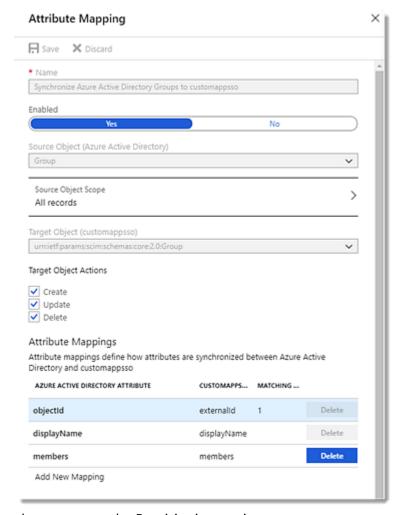


- 13. Click **Save**, then return to the Provisioning settings and select **Mappings** (from **Step #10** above).
- 14. Next, modify group object mappings:
 - a) Check the box for **Show advanced options** at the bottom of Attribute Mapping.
 - b) Click **Edit attribute list for....**
 - c) In the Edit Attribute List, make the following selections:
 - Name = id, Type = String Check the boxes for **Primary** and **Required**
 - Name = externalID, Type = String Check the box for Required
 - Name = displayName, Type = String Check the box for Required
 - Name = members, Type = Reference Check the box for Multi-Valued, then set referenced objects for:
 - urn:ietf:params:scim:schemas:core:2.0:Group
 - urn:ietf:params:scim:schemas:extension:enterprise:2.0:User
 - d) Click Save and return to Attribute Mapping.



15. Set 3 Attribute Mapping rules, as follows:

- a) **ExternalID** Use the objectID attribute from Azure AD and set this as a matching attribute with Precedence set as **1**. This should be the only mapping with any Precedence set.
- b) **DisplayName** Use any attribute for group name.
- c) **Members** User members from Azure AD.



16. Click **Save**, then return to the Provisioning settings.



- 17. Under Settings, the Scopefield defines which users and or groups are synchronized. Selecting **Sync only assigned users and groups** (recommended) will only sync users and groups assigned in the Users and groups tab.
- 18. Once your configuration is complete, enable the Provisioning Status by clicking **On**.
- 19. Click **Save** to start the Azure AD provisioning service.
- 20. If syncing only assigned users and groups (recommended), be sure to select the Users and groups tab and assign the users and/or groups you wish to sync.

Once the initial synchronization has started, you can use the Audit logs tab to monitor progress, which shows all actions performed by the provisioning service on your app. For more information on how to read the Azure AD provisioning logs, see <u>Generate Enterprise Reports</u>.

If you are interested in setting up federated login using Azure AD (to allow your users to log in to LastPass with their Azure Active Directory account), please see <u>Set Up Federated Login for LastPass Enterprise using Azure Active Directory</u> for next steps.

Contact Us

If you haven't started a trial, contact our team today at <u>lastpass.com/contact-sales</u> for more information.

For additional information, please see <u>Set Up Azure Active Directory Integration</u>. For further assistance, you can contact our support team by selecting a contact option at the bottom of the article.

