Configuring Single Sign-on from the VMware Identity Manager Service to Dropbox

VMware Identity Manager

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Overview

This document provides information about configuring SAML-based single sign-on from the VMware Identity Manager service to Dropbox.

Dropbox is a file hosting service that allows users to save files and folders in Dropbox and access them from their computers, devices, and Dropbox's website.

When Dropbox is configured in the VMware Identity Manager catalog, users can sign in to Dropbox from their apps portal or if they sign in to their Dropbox account directly, they are redirected to the VMware Identity Manager sign in page to enter their sign-in credentials.

You must have an administrator account for the VMware Identity Manager service, as well as an administrator account for Dropbox.

Adding Dropbox to VMware Identity Manager Catalog

To enable single sign-on to Dropbox on the service, you must configure the app in the catalog and copy the identity provider signing certificate to Dropbox.

Add Dropbox to the Catalog

1. Log in to the VMware Identity Manager administration console.

2. In the **Catalog** page, click **Add Application > ...from the cloud application catalog**.
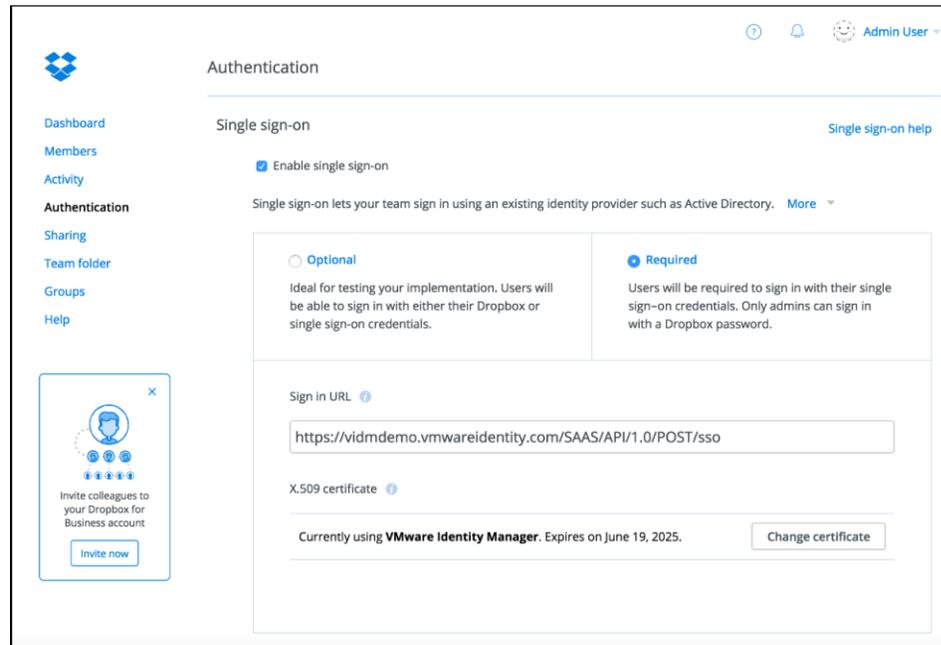
3. Click the **Dropbox** icon.

   The Modify application page appears with the application information filled in. You can add a description, and if you set up categories, you can apply this app to a category.

   The Dropbox app is added to the catalog but not configured. You complete the application setup after you configure single sign-on in Dropbox.

Download Identity Provider SAML-Signing Certificate

You must have the signing certificate from the VMware Identity Manager service for the Dropbox configuration.

1. In the Catalog > Settings tab, click **SAML Metadata**.

2. Copy and save the **Signing Certificate** text as a **.pem** file on your computer. Make sure that you include text from -----BEGIN CERTIFICATE---- through ---------END CERTIFICATE-----.

Setting up Dropbox

To set up Dropbox for single sign-on from the service, you set up single sign-on in the Dropbox admin pages and upload the VMware Identity Manager SAML signing certificate.

Configure Dropbox

1. Sign in to the Dropbox admin console as the admin use, click Admin Console, and navigate to the **Authentication > Single Sign-On** page.

2. Select **Enable single sign-on**.

3. Select **Required**.

   Users are required to sign in with their single sign-in credentials. Their Dropbox credentials do not work.

4. Enter the services sign-in URL.

   Enter your VMware Identity Manager login URL in the format
   https://*myco.vmwareidentity*.com/SAAS/API/1.0/POST/sso.

   Replace *myco.vmwareidentity.com* with your company's VMware Identity Manager service domain name.

5. Click **Choose certificate** to upload the x.509 certificate .pem file you saved earlier.

6. Click **Save changes**.

Complete the Setup and Review the Application Configuration Page

Go to the Application Configuration page and verify that the information is configured correctly.

1. Log in to the VMware Identity Manager administration console.

2. In the **Catalog** page, select the Dropbox icon.

3. Click Configuration to review the Application Configuration page. You should not need to make any changes to this page.

4. Click **Save**.

Application Configuration

Launch URL

https://vidmdemo.vmwareidentity.com:443/SAAS/API/1.0/GET/apps/launch
/app/97cf09b1-3c4a-4a38-834c-cf8ca91fd49c

RelayState

RelayState to pass (For example, for deep links)

Proxy Count

Proxy Count

Login Redirection URL

Optional. Some applications require the login process to start at their page. The login redirection URL redirects users to Identity Manager for authentication.

Include Destination ☑ Include the destination in the response (recommended)

Sign Response ☑ Sign the entire response (recommended)

Sign Assertion ☑ Sign the assertion

Include Cert ☐ Include the signing certificate in the response.

Allow API Access ☐ Allow API access to this application.

Configure Via [Auto-discovery (meta-data) URL] [Meta-data XML] [Manual configuration]

Assertion Consumer Service *

https://www.dropbox.com/saml_login

URL the SAML should be posted to

Name ID Format

Email address ▼

How to send the user identifier

Name ID Value ◯ Select from suggestions

◉ Custom value ${user.email}

Recipient Name *

https://www.dropbox.com/saml_login

The SP's assertion consumer service URL.

Audience *

https://www.dropbox.com/

The SP's unique identifier.

Assertion Lifetime

200

How many seconds the SAML will be valid for (default: 200)

Signing Certificate

PEM-format X509 SAML signing certificate

Attribute Mapping

You can map these attributes to specific user profile values.

NAME	FORMAT	NAMESPACE	VALUE	
	Basic ▼		Expression as ${...} or Value ▼	− Delete

[+ Add another attribute]

[Save]

Testing Single Sign-on Configuration

Test your single sign-on configuration with a small number of users before deploying the application across your organization.

Set up Test User in VMware Identity Manager

1. Log in to the VMware Identity Manager administration console.

2. In the **Users & Groups** page, click **Users** and ensure that the test user you is in the list of users.

3. In the **Catalog** page, click on the **Dropbox** application.

4. Click **Entitlements**.

5. Click +**Add user entitlement**.

6. Select the test user and change the **DEPLOYMENT** field value for the user to **Automatic**. For example:

7. Click **Save**, then click **Done**.

8. In the top-right corner of the page, click your user name and select **Logout**.

Set up Test User in Dropbox

1. Sign in to the Dropbox admin console as the admin use, click Admin Console, and navigate to the **Members** page.

2. On the Members page, click **Invite members**.

3. Enter the email addresses of the test user to invite.

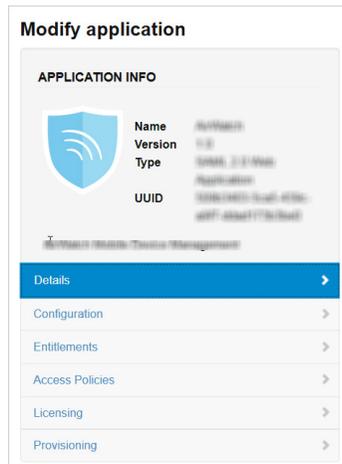Next, verify that a test user can sign in to the My Apps portal.

Verify Test-User can Sign in to Dropbox

1. Sign in to the user portal as the test user.

2. Click the **Dropbox** icon on the My Apps page.

   You should now have single sign-on access to Dropbox.

Completing the Configuration in the Catalog

In addition to configuring the Web application for single sign-on to the service, you can configure additional settings to add an access policy, set up app licensing requirements, and entitle users and users to the app.

Modify application

APPLICATION INFO

Name	
Version	
Type	
UUID	

Details >

Configuration >

Entitlements >

Access Policies >

Licensing >

Provisioning >

Entitlements
After you configure a Web application, you can add group entitlements and entitle individual users to the Web app.

Access Policies
The VMware Identity Manager service includes a default policy that is automatically assigned to the Web app when you add the app to the Catalog. If you do not want to use the default access policy, create a Web-application-specific access policy and in the Access Policies link, select the access policy set to use for this Web application.

For example, you can create a stricter policy than the default, with rules that specify which IP addresses have access to the application, using which authentication methods, and for how long until reauthentication is required. See the VMware Identity Manager documentation at http://pubs.vmware.com.

Licensing
Licensing can be used to require users to request license approval before they can access the application. You can add additional information, including pricing, license type, cost per license and the number of licenses. You can run the Resource Usage report to see the licensing information for the application.

Provisioning
Provisioning provides automatic application user-management from a single location. Provisioning adapters allow the Web application to retrieve specific information from VMware Identity Manager as required. The provisioning adapters that can be selected are either Google Apps, Mozy, or Vchs. If you configure these applications, you can select the appropriate provisioning adapter.

Entitle Users to Dropbox

You can activate single sign-on for all users. Before you do so, ensure that all the user accounts are provisioned in Dropbox.

1. Log in to the VMware Identity Manager administration console.

2. In the **Catalog** page, click **Dropbox**.

3. In the **Modify application** page, click **Entitlements**.

4. Click +**Add group entitlement**.

5. Select **ALL USERS** and change the **DEPLOYMENT TYPE** field value to **Automatic**.

6. Click **Save,** then click **Done**.

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