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

VMware Identity Manager

JULY 2016 V1

vmware

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Overview

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

Gerrit is a web-based team code collaboration tool. Software developers in a team can review each other's modifications on their source code using a Web browser and approve or reject those changes.

When Gerrit is configured in the VMware Identity Manager catalog, users can sign in to Gerrit from their VMware Identity Manager apps portal.

You must have an administrator account for the VMware Identity Manager service to configure Gerrit. You work with your Gerrit representative to configure VMware Identity Manager for single sign-on in the Gerrit server.

Adding Gerrit to VMware Identity Manager Catalog

To enable single sign-on to Gerrit on the service, you must configure the app in the catalog.

Add Gerrit 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 **Gerrit** icon.
4. Click **Configuration.** The Configuration page is preconfigured as follows.

FIELD	CONFIGURED VALUE
Launch URL	Automatically populated with your launch URL.
RelayState	
Proxy Count	
LoginRedirection URL	
Include Destination	Enabled
Sign Response	Enabled
Sign Assertion	
Include Cert	
Signature Algorithm	SHA1 with RSA
Digest Algorithm	SHA1

<table>
<tr><td>Allow API Access</td><td></td></tr>
<tr><td>Assertion Consumer Service *</td><td>Automatically populated with the URL where the SAML is posted.
https://review.nicira.eng.{CompanyName}.com/Shibboleth.sso/SAML2/POST</td></tr>
<tr><td>Name ID Format</td><td>Unspecified (username)</td></tr>
<tr><td>Name ID Value</td><td>Custom value ${user.userName}</td></tr>
<tr><td>Recipient Name *</td><td>The SP’ assertion consumer service URL populated as https://review.nicira.eng.{CompanyName}.com/Shibboleth.sso/SAML2/POST</td></tr>
<tr><td>Audience *</td><td>The SP’s unique identifier populated as https://spgerrit.example.org/shibboleth</td></tr>
<tr><td>Assertion Lifetime</td><td>Populated with a value of 200 seconds.</td></tr>
<tr><td>Signing Certificate</td><td></td></tr>
<tr><td>Application Parameters</td><td>Set the CompanyName value. For example, if your Gerrit log in is https://review.nicira.eng.act.com/, then set the CompanyName value as act..</td></tr>
<tr><td>Attribute Mapping</td><td>Map the remoteUser attribute to specific user profile values
<table><tr><th>NAME</th><th>FORMAT</th><th>NAME SPACE</th><th>VALUE</th></tr><tr><td>remoteUser</td><td>Unspecified</td><td>--</td><td>${user.firstName}</td></tr></table></td></tr>
</table>

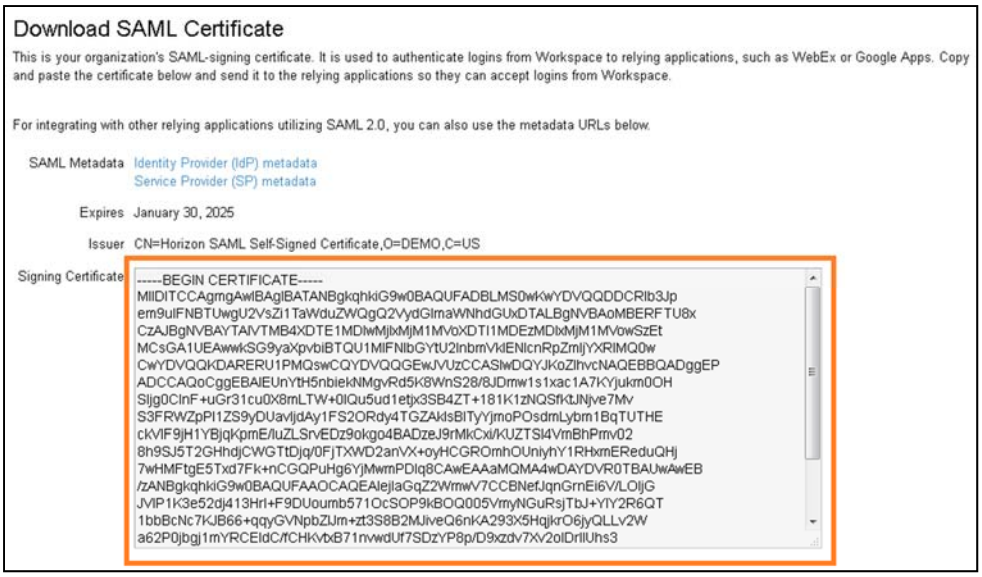
5. Click **Save**.

Download SAML-Signing Certificate

If the SAML-signing certificate from the VMware Identity Manager service is required for the Gerrit configuration, you can retrieve the certificate from the Catalog > Settings tab.

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

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 Identity Manager in Gerrit

Contact the Gerrit application support team to set up single sign-on with VMware Identity Manager.

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 User in VMware Identity Manager for Testing

1. Log in to the VMware Identity Manager administration console.
2. In the **Users & Groups** page, click **Users** and ensure that the user you are testing is in the list of users.
3. In the **Catalog** page, click on the Gerrit 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 a User in Gerrit for Testing

Make sure the test user you set up in VMware Identity Manager can access Gerrit.

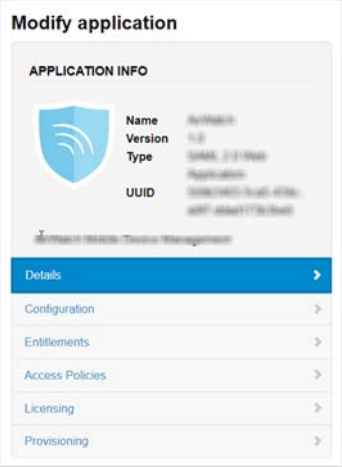
Verify Test-User can Sign into Gerrit

1. Sign in to the user portal as the test user.
2. Click the Gerrit icon on the My Apps page.

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

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 external approval requirements, and entitle users and groups to the app.



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 new access policy and in the Access Policies link, select the access policy to use for this Web application.

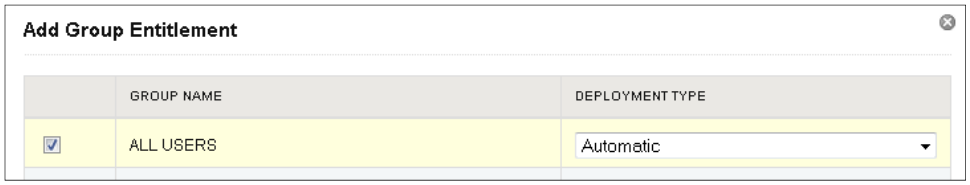
For example, you can create a stricter policy than the default, with rules that specify which IP addresses have access to the application, using which authentication methods, and for how long until reauthentication is required. See the VMware Identity Manager documentation at http://pubs.vmware.com.

Licensing In some applications, licensing can be used to require users to request external approval before they can access the application. In addition, 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 approval information for the application.

Entitle Users to Gerrit

You can activate single sign-on for all users.

1. Log in to the VMware Identity Manager administration console.
2. In the **Catalog** page, click Gerrit.
3. In the **Modify application** page, click **Entitlements**.
4. Click +**Add group entitlement**.
5. Select **ALL USERS** and change the DEPLOYMENT TYPE value to **Automatic**.



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

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