RSA SecurID Access SAML Configuration for Tableau Online

Last Modified: January 20, 2016

Tableau helps people see and understand data. Tableau offers five main products: Tableau Desktop, Tableau Server, Tableau Online, Tableau Reader and Tableau Public.

The following procedure outlines the steps needed to configure Tableau Online for single sign on.

Before You Begin

- Acquire an administrator account to both RSA SecurID Access and Tableau.
- Verify the RSA SecurID Access user account. Refer to the User, Rule, and Policy section of this manual.

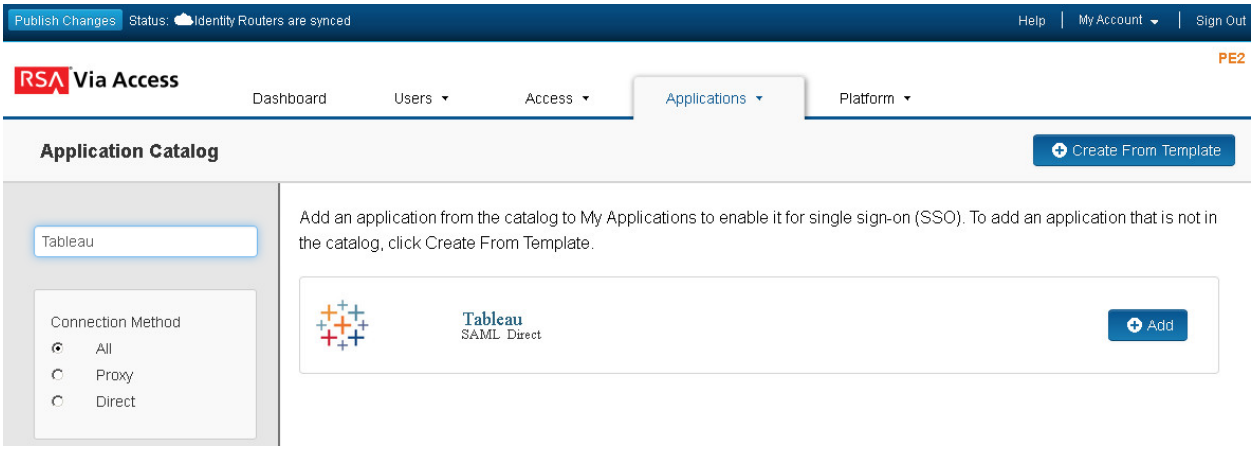
Procedure

1. Add the Application in RSA SecurID Access
2. Configure Tableau to Use RSA SecurID Access as an Identity Provider

Add the Application in RSA SecurID Access

Procedure

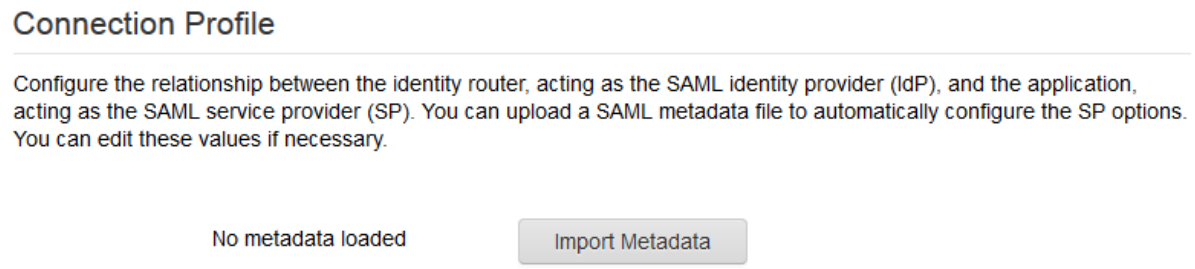
1. In the RSA SecurID Access Administration Console, click **Applications > Application Catalog**.
2. From the list of applications, click **+Add** for the SAML application that you wish to add.



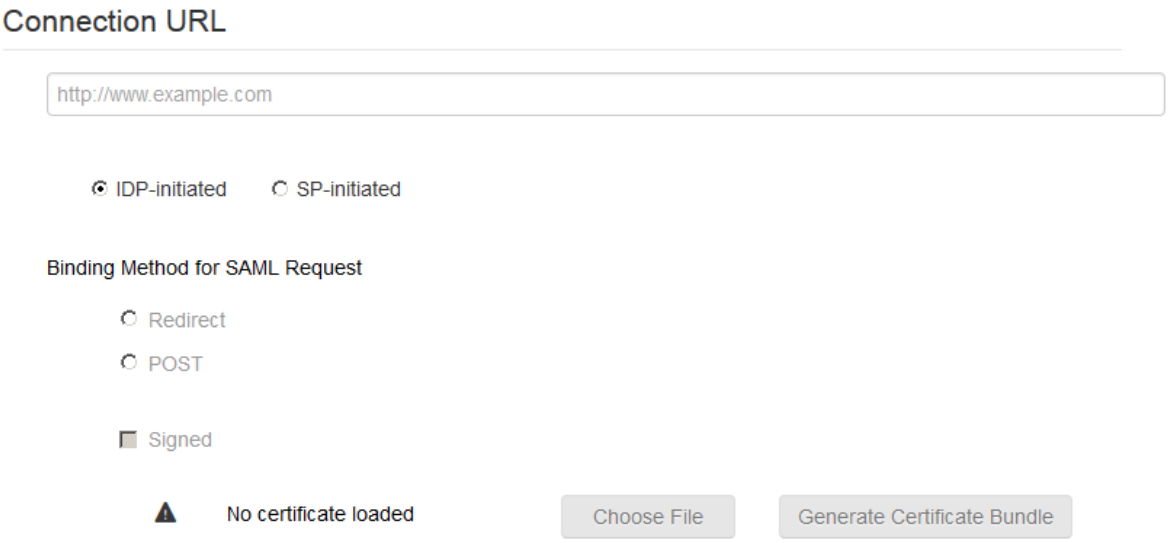
3. On the Basic Information page, specify the application name and click **Next Step**.

> **Note: The following IDP-initiated configuration works for both IDP-initiated and SP- initiated connections.**

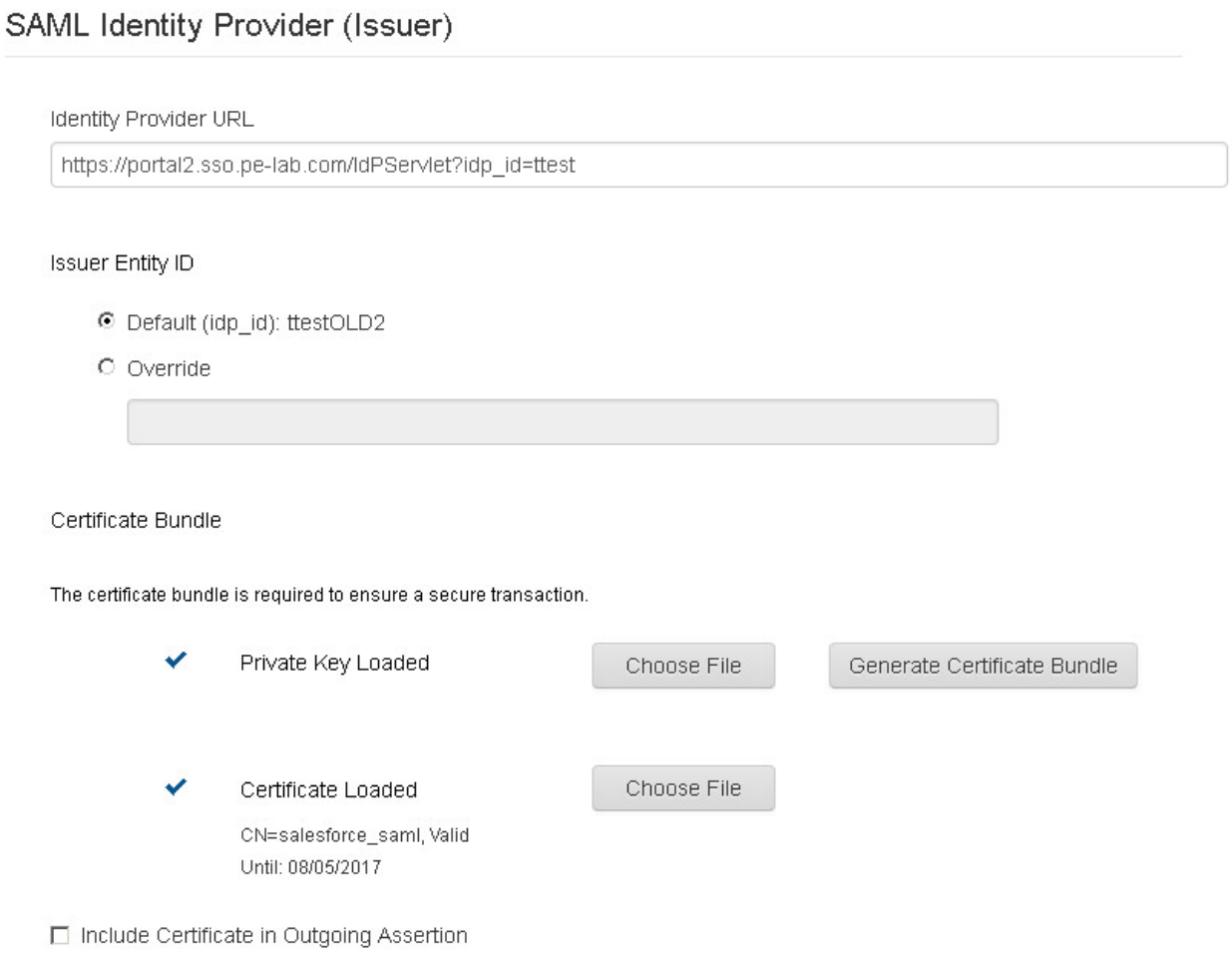
4. Click on **Import Metadata** and select the file you downloaded from Tableau. See step 5 page 8.



5. Click **Save** to accept the settings from the metadata file.
6. On the Connection Profile page, choose **IDP –initiated** and leave the URL blank.

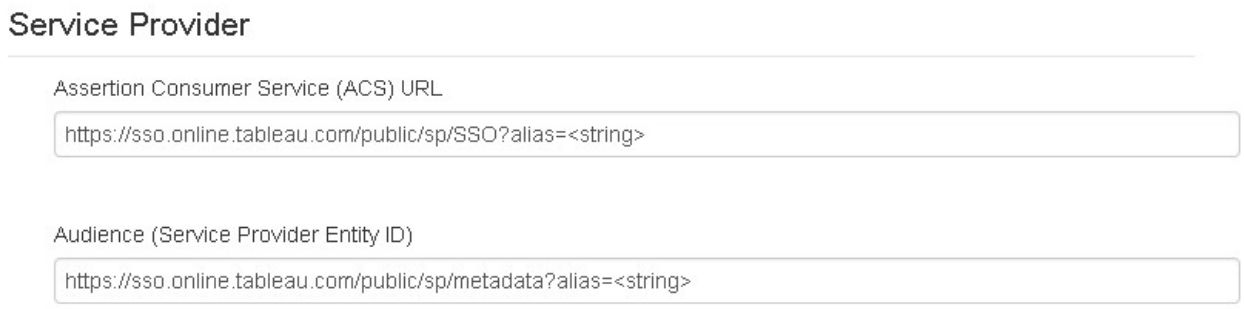


7. Scroll down to the **SAML Identity Provider (Issuer)** section.



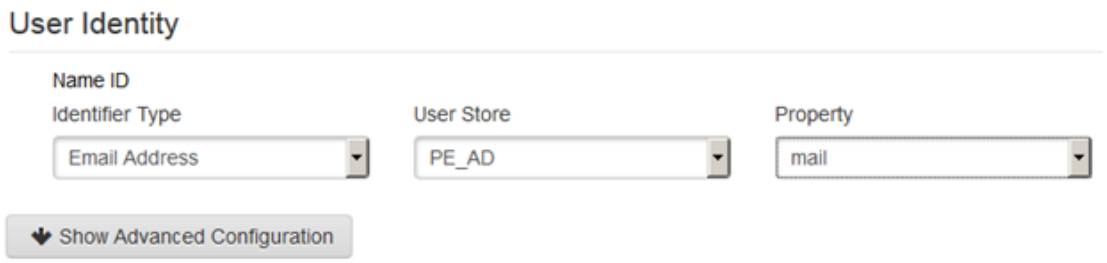
   a. Select **Choose File** and upload the RSA SecurID Access private key.
   b. Select **Choose File** and upload the RSA SecurID Access public certificate.

8. Scroll down to the Service Provider section.

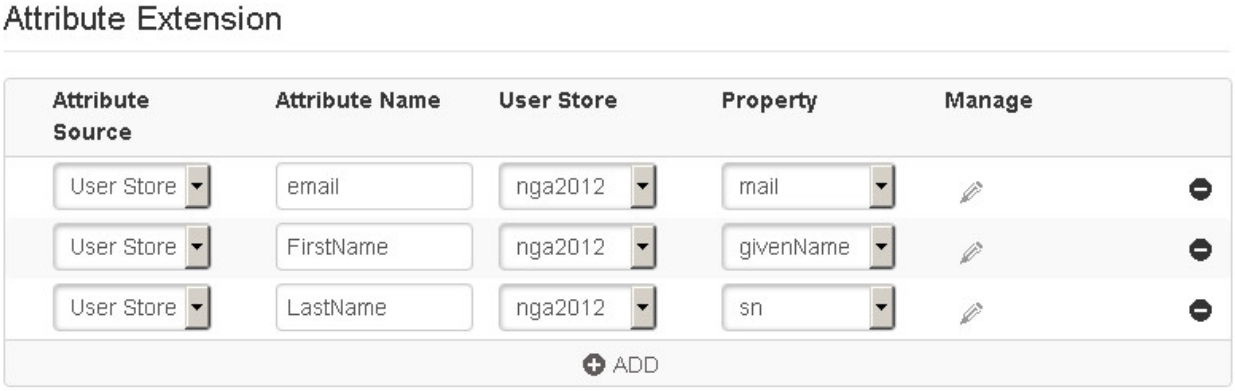


   a. If you imported the metadata file the **Assertion Consumer Service (ACS) URL** will be autocompleted for you. Example: https://sso.online.tableau.com/public/sp/SSO?alias=eca70862-30c0-4f77-bab9-07970dd3c0a2
   b. If you imported the metadata file the **Audience (Service Provider Entity ID)** will be autocompleted for you. Example: https://sso.online.tableau.com/public/sp/SSO?alias=eca70862-30c0-4f77-bab9-07970dd3c0a2

9. Scroll down to the **User Identity** section. Set the **Identifier Type** to **Email** and **Property** to **mail**.

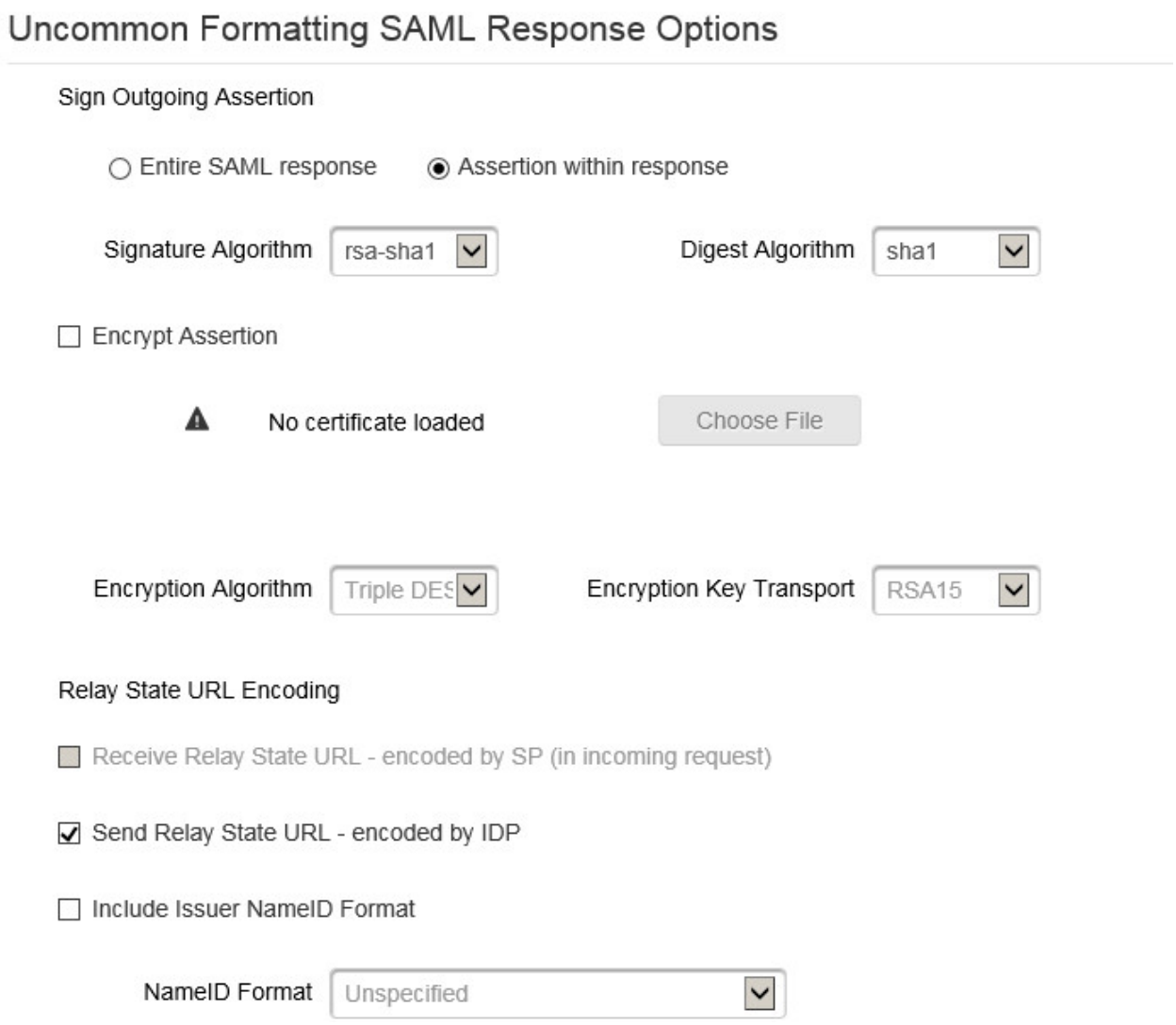


10. Click **Show Advanced Configuration** and scroll down to **Attribute Extension**.
11. Add Attributes **email**, **FirstName**,and **LastName**.



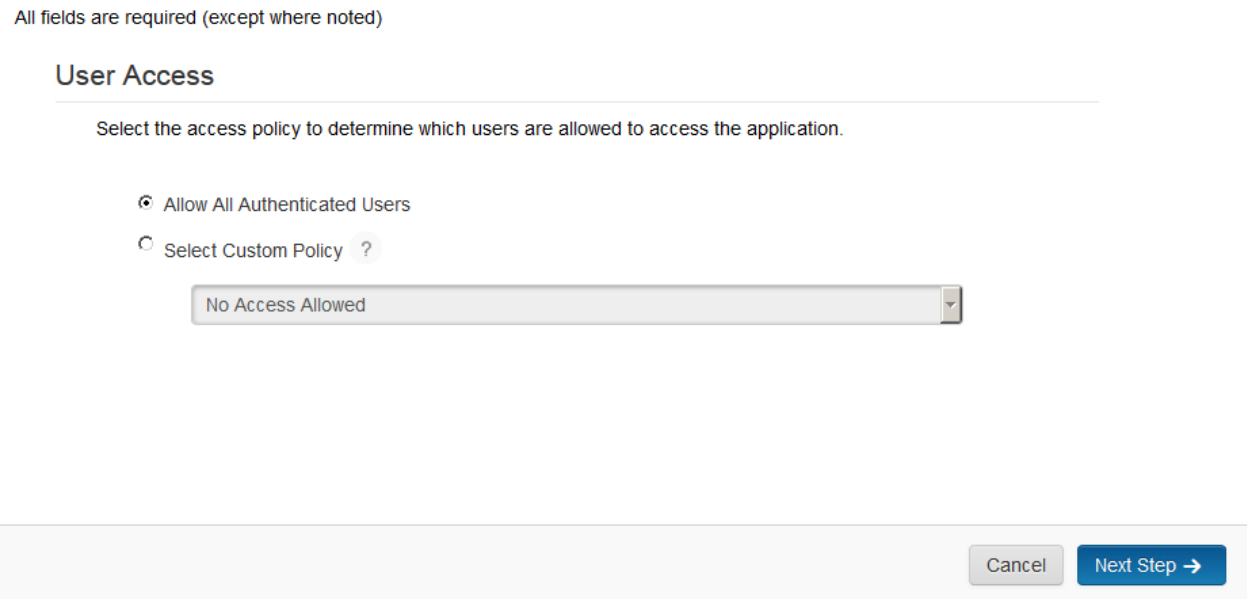
12. Scroll down to **Uncommon Formatting SAML Response Options**.
13. Under Sign Outgoing Assertion, select **Assertion within response**.

> **Note:** **If you used the Import metadata option the Encrypt Assertion maybe checked. If your account was not configured for this, login will fail. Uncheck this feature and try again.**

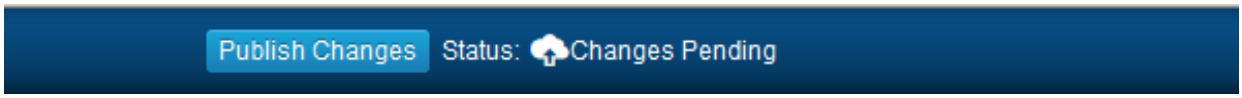


14. Click **Next Step**.

15. On the **User Access** page, select the desired user policy from the drop down list.



16. Click **Next Step**.
17. On the **Portal Display** page, select **Display in Portal**.
18. Click **Save and Finish**.
19. Click **Publish Changes**. Your application is now enabled for SSO.



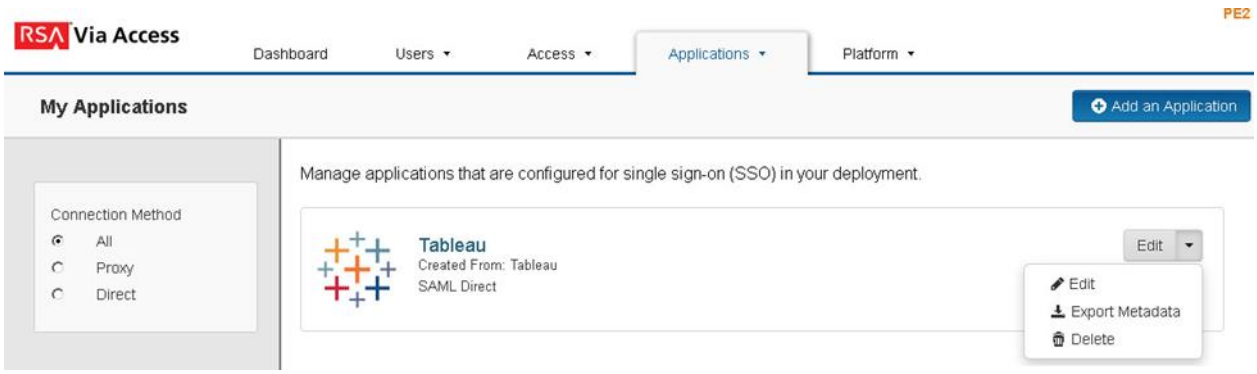
Next Steps

[Configure Tableau to Use RSA SecurID Access as an Identity Provider]

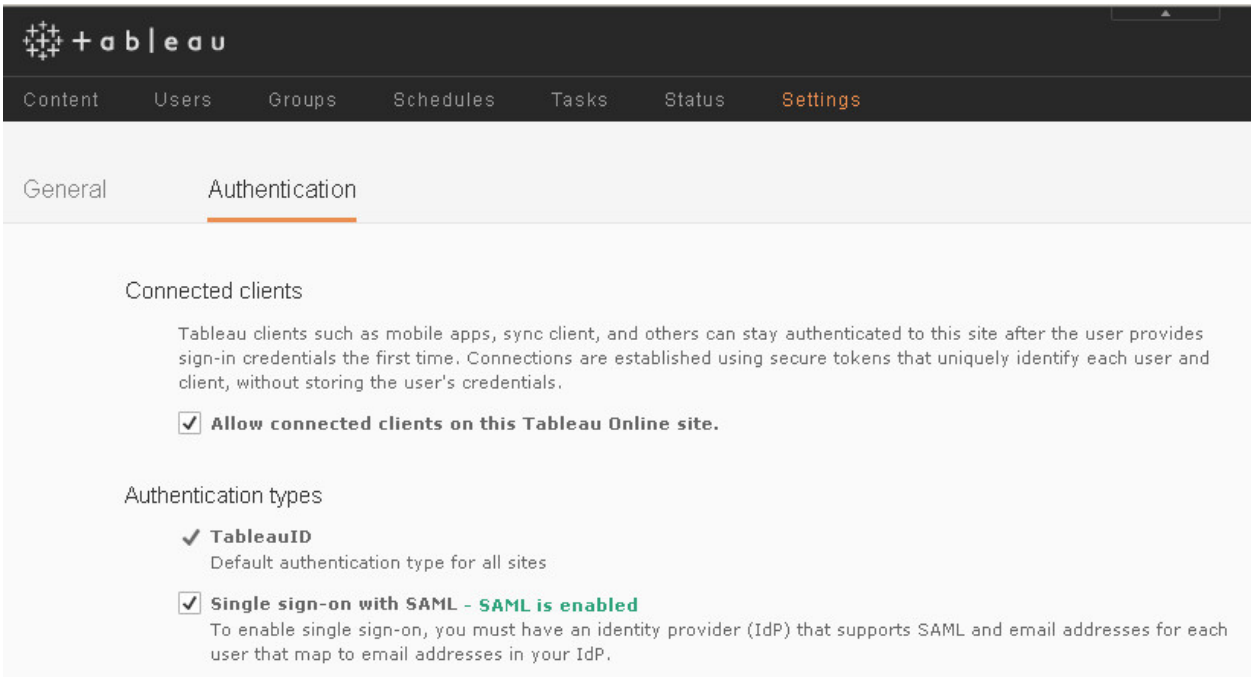
Configure Tableau to Use RSA SecurID Access as an Identity Provider

Procedure

1. Obtain the RSA SecurID Access IDP metadata file which is needed to configure Tableau. The metadata file can be obtained by either exporting the file from the RSA SecurID Access console or manually creating the file (see page 9).
    a. Login to the RSA SecurID Access console, select **Applications > My Applications.**
    b. Select the **Edit** pull down for the Tableau application and choose **Export Metadata**.
    c. Save the file to be used in configuring Tableau. See step 6 on page 8.



2. Sign in to Tableau Online with an administrator account.
3. Select **Settings > Authentication**.



4. Check the **Single sign-on with SAML** box.

5. Click **Export metadata** to download the service provider metadata file, which will be used to configure the RSA SecurID Access in step 4 on page 2.

6. Click **Browse** and select the RSA SecurID Access IDP metadata file to import into Tableau Online.
7. Click **Apply** and the IDP Entity ID and SSO Service URL will be automatically filled in.

8. Select the **Test Login**. If the connection fails uncheck the Encryption Assertion option in step 13 on page 5 and retry.
9. Select **Add Users** and enter the single sign on user's email address.

Manually Creating the RSA SecurID Access Metadata file

1. Modify the example below with your environment information.
2. When inserting the cert.pem file do not include the -----BEGIN and ----END CERTIFICATE---- lines.

```
<?xml version="1.0" encoding="utf-8" standalone="yes"?>
<EntityDescriptor xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance"
   xmlns="urn:oasis:names:tc:SAML:2.0:metadata"
   entityID="CHANGE_ME_TO_ENTITY_ID">
 <IDPSSODescriptor protocolSupportEnumeration="urn:oasis:names:tc:SAML:2.0:protocol">
   <KeyDescriptor use="signing">
    <ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
     <ds:X509Data>
      <!-- public saml cert -->
<ds:X509Certificate>CHANGE_ME_TO_PUBLIC_SAML_CERT_CONTENT<ds:X509Certificate>
     </ds:X509Data>
    </ds:KeyInfo>
   </KeyDescriptor>

   <!-- Supported Name Identifier Formats -->
   <NameIDFormat>urn:oasis:names:tc:SAML:1.1:nameid-
format:unspecified</NameIDFormat>
   <NameIDFormat>urn:oasis:names:tc:SAML:1.1:nameid-
format:emailAddress</NameIDFormat>
   <NameIDFormat>urn:oasis:names:tc:SAML:1.1:nameid-
format:X509SubjectName</NameIDFormat>

   <!-- POST binding and location=idp url -->
   <SingleSignOnService
    Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST"
    Location="CHANGE_ME_TO_IDP_URL"/>

   <!-- Extended Attributes -->
    <Attribute
     NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri"
     account="telephoneNumber">
     </Attribute>

 </IDPSSODescriptor>
</EntityDescriptor>
```

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