Set Up Multiple Authentication Providers

Pre-requisites

Make sure you have a working BA Server with a single authentication provider.

BA Server Configuration

In a single sign-on environment, you might find yourself in a situation where you will need to have separate admin access or access to the server for client tool publishing. In this case, you will need to add the authentication provider definition to the applicationContext-spring-security-saml.xml file as shown in these steps

1. Stop the BA Server and the solution repository.
2. Navigate to the /pentaho-solutions/system directory and open the applicationContext-spring-security-saml.xml file with any text editor.
3. Locate the authenthicationManager bean tags.
4. Add a new authentication provider before the anonymous authentication provider bean reference. Below is an example of add a jackrabbit authentication provider. Add which ever authentication provider
   ```
   <pen:bean class="org.springframework.security.providers.AuthenticationProvider">
           <pen:attributes>
                   <pen:attr key="providerName" value="jackrabbit"/>
           </pen:attributes>
   </pen:bean>
   ```

You should now be ready to restart the server and use platform

Enable User Console login

By default all access to the user will be redirected to the IDP's login page. If you would like the user console page to be displayed for a particular url, you have to update the applicationContext-spring-security-saml.xml. In order to display user console when you access login using this URL http://localhost:8080/pentaho/Login, you have to update the following line from the applicationContext-spring-security-saml.xml:

1. Locate: `\A/login.*\Z=Authenticated`
2. Update it to : `\A/login.*\Z=Authenticated,Anonymous`