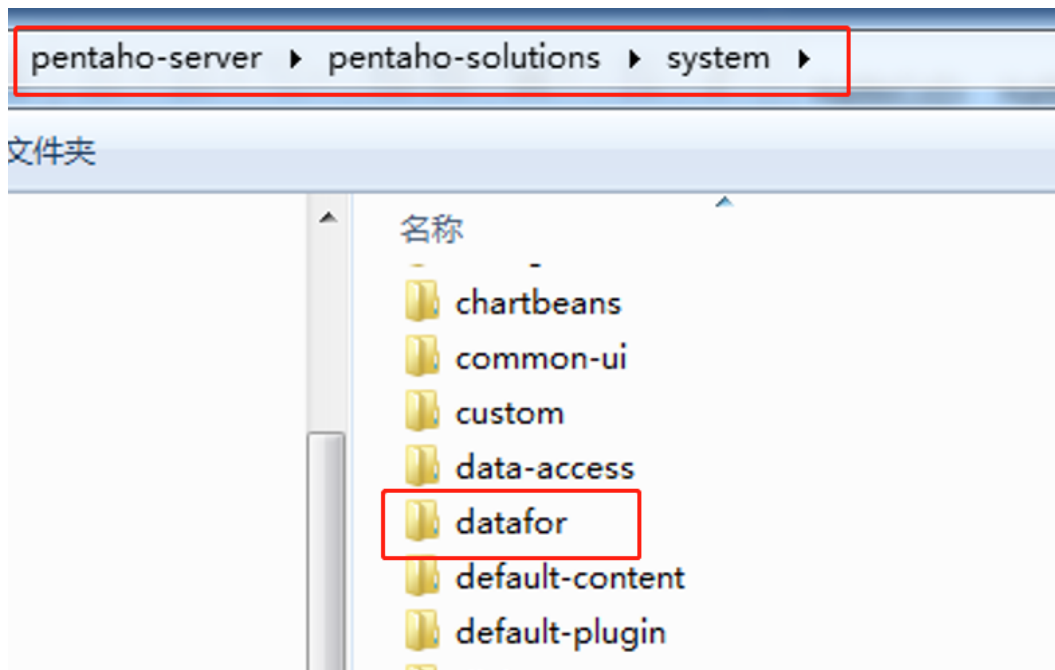


# Install Datafor(Visualizer)

1. Unzip datafor.zip to the "pentaho-solutions \ system" directory



2. Modify the ImportHandlerMimeTypeDefinitions.xml file in the "pentaho-solutions \ system" directory and add the following code:

```
<MimeTypeDefinition mimeType="application/json" hidden="false">
  <extension>datafor</extension>
</MimeTypeDefinition>
```

```
<MimeTypeDefinition mimeType="text/xml">
  <extension>cda</extension>
  <extension>cdfde</extension>
  <extension>cfg.xml</extension>
  <extension>jrxml</extension>
  <extension>kcs</extension>
  <extension>kdb</extension>
  <extension>kps</extension>
  <extension>ksl</extension>
  <extension>report</extension>
  <extension>rptdesign</extension>
  <extension>wcdf</extension>
  <extension>xanalyzer</extension>
  <extension>xcdf</extension>
  <extension>xjpivot</extension>
  <extension>xml</extension>
  <extension>xreportspec</extension>
</MimeTypeDefinition>
<MimeTypeDefinition mimeType="application/octet-stream" hidden="false">
  <extension>eml</extension>
</MimeTypeDefinition>
<MimeTypeDefinition mimeType="application/json" hidden="false">
  <extension>datafor</extension>
</MimeTypeDefinition>
</MimeTypeDefinitions>
</ImportHandler>
```

3. Modify the applicationContext-spring-security.xml file in the "pentaho-solutions \ system" directory

- Add the following code under <bean id = "filterInvocationInterceptor"

```
<sec:intercept-url pattern="\A/content/datafor/*.*\Z"  
access="Anonymous,Authenticated" />
```

```
<bean id="filterInvocationInterceptor"  
  class="org.springframework.security.web.access.intercept.FilterSecurityInterceptor">  
  <property name="authenticationManager" ref="authenticationManager" />  
  <property name="accessDecisionManager" ref="httpRequestAccessDecisionManager" />  
  <!--  
    Note - the "Nobody" below is saying that resource URLs with those  
    patterns not be available through a web call.  
  -->  
  <property name="securityMetadataSource">  
    <!-- http://stackoverflow.com/questions/30099851/spring-security-samples-preauth-xml-example-fails-to-run#answer-30105317 -->  
    <sec:filter-security-metadata-source request-matcher="ciRegex" use-expressions="false">  
      <sec:intercept-url pattern="\A/content/datafor/*.*\Z" access="Anonymous,Authenticated" />  
      <sec:intercept-url pattern="\A/content/common-ui/resources/web/(.+)*/.*\Z" access="Anonymous,Authenticated" />  
      <sec:intercept-url pattern="\A/kettle/executeJob.*\Z" access="Anonymous,Authenticated" />  
      <sec:intercept-url pattern="\A/kettle/executeTrans.*\Z" access="Anonymous,Authenticated" />  
      <sec:intercept-url pattern="\A/.require-cfg.js.*\Z" access="Anonymous,Authenticated" />  
      <sec:intercept-url pattern="\A/.require-js-cfg.js.*\Z" access="Anonymous,Authenticated" />  
      <sec:intercept-url pattern="\A/content/common-ui/resources/web/require.js.*\Z" access="Anonymous,Authenticated" />  
    </sec:filter-security-metadata-source>  
  </property>  
</bean>
```

- Add the following code under <bean id = "filterInvocationInterceptorForWS"

```
<sec:intercept-url pattern="\A/plugin/datafor/api/*.*\Z"  
access="Anonymous,Authenticated" />
```

```
<bean id="filterInvocationInterceptorForWS" class="org.springframework.security.web.access.intercept.FilterSecurityInterceptor">  
  <property name="authenticationManager" ref="authenticationManager" />  
  <property name="accessDecisionManager" ref="httpRequestAccessDecisionManager" />  
  <!-- allow anyone to see the wsdl of various services -->  
  <property name="securityMetadataSource">  
    <!-- http://stackoverflow.com/questions/30099851/spring-security-samples-preauth-xml-example-fails-to-run#answer-30105317 -->  
    <sec:filter-security-metadata-source request-matcher="ciRegex" use-expressions="false">  
      <sec:intercept-url pattern="\A/plugin/datafor/api/*.*\Z" access="Anonymous,Authenticated" />  
      <sec:intercept-url pattern="\A/webservices/unifiedrepository\?wsdl.*\Z" access="Anonymous,Authenticated" />  
      <sec:intercept-url pattern="\A/webservices/userrolelistservicel\?wsdl.*\Z" access="Anonymous,Authenticated" />  
      <sec:intercept-url pattern="\A/webservices/userroleservicel\?wsdl.*\Z" access="Anonymous,Authenticated" />  
      <sec:intercept-url pattern="\A/webservices/authorizationpolicy\?wsdl.*\Z" access="Anonymous,Authenticated" />  
      <sec:intercept-url pattern="\A/webservices/rolebindingdao\?wsdl.*\Z" access="Anonymous,Authenticated" />  
      <sec:intercept-url pattern="\A/webservices/scheduler\?wsdl.*\Z" access="Anonymous,Authenticated" />  
    </sec:filter-security-metadata-source>  
  </property>  
</bean>
```

4. Restart Pentaho PBA, the installation is complete