

Trusted

New CAS documentation site

CAS documentation has moved over to apereo.github.io/cas, starting with CAS version 4.x. The wiki will no longer be maintained. For the most recent version of the documentation, please refer to the aforementioned link.

Trusted Authentication Handler

Including the Handler

In the pom.xml file for your CAS Maven2 WAR Overlay, add the following dependency:

```
<dependency>
  <groupId>org.jasig.cas</groupId>
  <artifactId>cas-server-support-trusted</artifactId>
  <version>${cas.version}</version>
</dependency>
```

Set Up CAS

Set up the login webflow

The CAS 3 Login Webflow needs to be modified. This webflow is located in */WEB-INF/login-webflow.xml*. There is one new action state to place before the state *viewLoginForm*.

```
<action-state id="remoteAuthenticate">
  <action bean="principalFromRemoteAction" />
  <transition on="success" to="sendTicketGrantingTicket" />
  <transition on="error" to="viewLoginForm" />
</action-state>
```

In 3.4.2 and later, change `<action bean="principalFromRemoteAction" />` to `<evaluate expression="principalFromRemoteAction" />`.

And 3 existing transitions need to be update:

- In the decision-state *gatewayRequestCheck*, replace reference to *viewLoginForm* by *remoteAuthenticate*
- In the decision-state *renewRequestCheck*, replace reference to *viewLoginForm* by *remoteAuthenticate*
- In the action-state *generateServiceTicket*, replace reference to *viewLoginForm* by *remoteAuthenticate*

In 3.4.12 (before?) ignore the above 3 transition declarations. Update the "generateLoginTicket" action-state to have the following transition.

```
<transition on="generated" to="remoteAuthenticate" />
```

/WEB-INF/cas-servlet.xml

Add the bean needed for the login flow :

```
<bean id="principalFromRemoteAction" class="org.jasig.cas.adaptors.trusted.
web.flow.PrincipalFromRequestRemoteUserNonInteractiveCredentialsAction"
p:centralAuthenticationService-ref="centralAuthenticationService" />
```

/WEB-INF/deployerConfigContext.xml

In the bean *authenticationManager*, add:

- *org.jasig.cas.adapters.trusted.authentication.principal.PrincipalBearingCredentialsToPrincipalResolver* as *credentialsToPrincipalResolver*.
- *org.jasig.cas.adapters.trusted.authentication.handler.support.PrincipalBearingCredentialsAuthenticationHandler* as *authenticationHandler*.

```
<bean id="authenticationManager" class="org.jasig.cas.authentication.
AuthenticationManagerImpl">
  <property name="credentialsToPrincipalResolvers">
    <list>
      <!-- ... the others credentialsToPrincipalResolvers ... -->
      <bean class="org.jasig.cas.adapters.trusted.authentication.
principal.PrincipalBearingCredentialsToPrincipalResolver" />
    </list>
  </property>
  <property name="authenticationHandlers">
    <list>
      <bean class="org.jasig.cas.adapters.trusted.authentication.
handler.support.PrincipalBearingCredentialsAuthenticationHandler" />
      <!-- ... the others authenticationHandlers... -->
    </list>
  </property>
</bean>
```

Build the cas-webapp

Inside the $\$(project.home)/cas-server-webapp/$ folder, run the command :

```
mvn package
```

You may now deploy the new webapp.

Tomcat & Apache integration issue

If you are using, a frontal Apache with `mod_jk` and Apache is handling the `REMOTE_USER`, you have to check the AJP connector in your Tomcat *server.xml* file. You should add the parameter `tomcatAuthentication` to *false*

```
Connector port="8009"
  enableLookups="false" redirectPort="8443" debug="0"
  protocol="AJP/1.3"
  tomcatAuthentication="false" />
```