

# 单点登录配置说明

## 1 配置证书

将证书导入到tomcat所使用的jre证书文件中，可以使用命令导入或替换本地jre证书文件。

### (1) 命令导入

使用命令 keytool 导入证书：

导出证书

```
keytool -export -file d:/keys/ slismart.crt -alias slismart -keystore  
d:/keys/slismart
```

将证书导入本地 jre 的证书库：

```
keytool -import -keystore "C:\ProgramFiles\Java\jdk1.6.0_34\jre\lib\  
security\cacerts" -file D:\keys\server.crt -alias slismart
```

输入 keystore 密码：changeit

**注意：**导入证书时要确认证书的路径，否则会报错：

PKIX: unable to find valid certification path to requested target

slismart：为证书别名

关于证书的生成参考：[http://blog.csdn.net/zhu\\_tianwei/article/details/19160337](http://blog.csdn.net/zhu_tianwei/article/details/19160337)

### (2) 证书替换

将已经导入好的 jre 证书库替换本地 jre 下的证书库文件 cacerts（替换前请做好备份）。

## 2 客户端配置

客户端可以使用统一认证平台提供的统一登录页面，也可以自己定义登录页面进行登录认证。具体配置如下：

### 2.1 统一登陆页配置

#### (1) 引入客户端 jar 包

```
<dependency>  
    <groupId>org.jasig.cas.client</groupId>  
    <artifactId>cas-client-core</artifactId>  
    <version>3.2.1</version>  
</dependency>
```

#### (2) 配置 web.xml

<!-- 用于单点退出，该过滤器用于实现单点登出功能，可选配置 -->

```

<listener>

    <listener-class>org.jasig.cas.client.session.SingleSignOutHttpSessionListen
er</listener-class>
</listener>

<!-- 该过滤器用于实现单点登出功能，可选配置。 -->
<filter>
    <filter-name>CAS Single Sign Out Filter</filter-name>

    <filter-class>org.jasig.cas.client.session.SingleSignOutFilter</filter-clas
s>
</filter>
<filter-mapping>
    <filter-name>CAS Single Sign Out Filter</filter-name>
    <url-pattern>/*</url-pattern>
</filter-mapping>

<!-- 该过滤器负责用户的认证工作，必须启用它 -->
<filter>
    <filter-name>CASFilter</filter-name>

    <filter-class>org.jasig.cas.client.authentication.AuthenticationFilter</fil
ter-class>
    <init-param>
        <param-name>casServerLoginUrl</param-name>
        <param-value>https://sso.slimsmart.cn:8443/cas/login</param-value>
    </init-param>
    <init-param>
        <param-name>serverName</param-name>
        <param-value>http://www.slimsmart.cn:8888</param-value>
    </init-param>
</filter>
<filter-mapping>
    <filter-name>CASFilter</filter-name>
    <url-pattern>/*</url-pattern>
</filter-mapping>

<!-- 该过滤器负责对Ticket的校验工作，必须启用它 -->
<filter>
    <filter-name>CAS Validation Filter</filter-name>
    <filter-class>

org.jasig.cas.client.validation.Cas20ProxyReceivingTicketValidationFilter

```

```

    </filter-class>
    <init-param>
        <param-name>casServerUrlPrefix</param-name>
        <param-value>https://sso.slimsmart.cn:8443/cas</param-value>
    </init-param>
    <init-param>
        <param-name>serverName</param-name>
        <param-value>http://www.slimsmart.cn:8888</param-value>
    </init-param>
</filter>
<filter-mapping>
    <filter-name>CAS Validation Filter</filter-name>
    <url-pattern>/*</url-pattern>
</filter-mapping>

<!-- 该过滤器负责实现HttpServletRequest请求的包裹， 比如允许开发者通过
HttpServletRequest的getRemoteUser()方法获得SSO登录用户的登录名， 可选配置。 -->
<filter>
    <filter-name>CAS HttpServletRequest Wrapper Filter</filter-name>
    <filter-class>
        org.jasig.cas.client.util.HttpServletRequestWrapperFilter
    </filter-class>
</filter>
<filter-mapping>
    <filter-name>CAS HttpServletRequest Wrapper Filter</filter-name>
    <url-pattern>/*</url-pattern>
</filter-mapping>

<!-- 该过滤器使得开发者可以通过org.jasig.cas.client.util.AssertionHolder来
获取用户的登录名。 比如AssertionHolder.getAssertion().getPrincipal().getName()。
-->
<filter>
    <filter-name>CAS Assertion Thread Local Filter</filter-name>

    <filter-class>org.jasig.cas.client.util.AssertionThreadLocalFilter</filter-
class>
</filter>
<filter-mapping>
    <filter-name>CAS Assertion Thread Local Filter</filter-name>
    <url-pattern>/*</url-pattern>
</filter-mapping>
<!-- ===== 单点登录结束 ===== -->

```

### (3) 退出 URL 链接

```
<a href="https://sso.slimsmart.cn:8443/cas/logout?service=
http://www.slimsmart.cn:8888/demo">单点登出</a>
```

## 2.2 自定义登陆页配置

### (1) 引入客户端 jar 包

```
<dependency>
    <groupId>cn.slimsmart.cas.client</groupId>
    <artifactId>slim-cas-client-support</artifactId>
    <version>1.0.0</version>
</dependency>
```

### (2) 配置 web.xml

```
<!-- 用于单点退出，该过滤器用于实现单点登出功能，可选配置 -->
<listener>

<listener-class>cn.slimsmart.cas.client.session.SingleSignOutHttpSessionListene
r</listener-class>
</listener>

<!-- 该过滤器用于实现单点登出功能，可选配置。 -->
<filter>
    <filter-name>CAS Single Sign Out Filter</filter-name>
    <filter-class>
cn.slimsmart.cas.client.session.SingleSignOutFilter</filter-class>
</filter>
<filter-mapping>
    <filter-name>CAS Single Sign Out Filter</filter-name>
    <url-pattern>/*</url-pattern>
</filter-mapping>

<!-- 该过滤器负责用户的认证工作，必须启用它 -->
<filter>
    <filter-name>CASFilter</filter-name>
    <filter-class>
cn.slimsmart.cas.client.authentication.AuthenticationFilter</filter-class>
    <init-param>
<!-- 登录页面 -->
        <param-name>localLoginUrl</param-name>
        <param-value>http://www.slimsmart.cn:8888/demo/login.jsp</param-value>
    </init-param>
```

```

<!-- 不需要cas登录限制的url, 星号匹配多个字符 -->
    <param-name>excludeUrl</param-name>
    <param-value>/css/*;/images/*;/js/*</param-value>
    </init-param>
    <init-param>
<!-- cas远程登录url -->
    <init-param>
        <param-name>casServerLoginUrl</param-name>

        <param-value>https://sso.slimsmart.cn:8443/cas/remoteLogin</param-value>
    </init-param>
    <init-param>
        <param-name>serverName</param-name>
        <param-value>http://www.slimsmart.cn:8888</param-value>
    </init-param>
</filter>
<filter-mapping>
    <filter-name>CASFilter</filter-name>
    <url-pattern>/*</url-pattern>
</filter-mapping>

<!-- 该过滤器负责对Ticket的校验工作, 必须启用它 -->
<filter>
    <filter-name>CAS Validation Filter</filter-name>
    <filter-class>

cn.slimsmart.cas.client.validation.Cas20ProxyReceivingTicketValidationFilter
r
    </filter-class>
    <init-param>
        <param-name>casServerUrlPrefix</param-name>
        <param-value>https://sso.slimsmart.cn:8443/cas</param-value>
    </init-param>
    <init-param>
        <param-name>serverName</param-name>
        <param-value>http://www.slimsmart.cn:8888</param-value>
    </init-param>
</filter>
<filter-mapping>
    <filter-name>CAS Validation Filter</filter-name>
    <url-pattern>/*</url-pattern>
</filter-mapping>

<!-- 该过滤器负责实现HttpServletRequest请求的包裹, 比如允许开发者通过

```

HttpServletRequest的getRemoteUser()方法获得SSO登录用户的登录名, 可选配置。 -->

```
<filter>
  <filter-name>CAS HttpServletRequest Wrapper Filter</filter-name>
  <filter-class>
    org.jasig.cas.client.util.HttpServletRequestWrapperFilter
  </filter-class>
</filter>
<filter-mapping>
  <filter-name>CAS HttpServletRequest Wrapper Filter</filter-name>
  <url-pattern>/*</url-pattern>
</filter-mapping>
```

<!-- 该过滤器使得开发者可以通过org.jasig.cas.client.util.AssertionHolder来获取用户的登录名。比如AssertionHolder.getAssertion().getPrincipal().getName()。

```
<filter>
  <filter-name>CAS Assertion Thread Local Filter</filter-name>
  <filter-class>
    org.jasig.cas.client.util.AssertionThreadLocalFilter
  </filter-class>
</filter>
<filter-mapping>
  <filter-name>CAS Assertion Thread Local Filter</filter-name>
  <url-pattern>/*</url-pattern>
</filter-mapping>
<!-- ===== 单点登录结束 ===== -->
```

### (3) 配置登陆页面

登录 form 表单:

```
<form id="myLoginForm" action="https://sso.slimsmart.cn:8443/cas/remoteLogin"
method="POST">
  <input type="hidden" name="service"
value="http://www.slimsmart.cn:8888/demo" />
  <input type="hidden" name="loginUrl"
value="http://www.slimsmart.cn:8888/demo /login.jsp" />
  <input type="hidden" name="submit" value="true" />
  <table>
    <tr>
      <td>用户名:</td>
      <td><input type="text" value="" name="username"></td>
    </tr>
    <tr>
      <td>密码:</td>
      <td><input type="text" value="" name="password"></td>
```

```

        </tr>
        <tr>
            <td>验证码:</td>
            <td><input type="text" value="" name="authcode"></td>
        </tr>
        <tr>
            <td align="right" colspan="2"><input type="submit" /></td>
        </tr>
        <tr>
            <td align="right" colspan="2">
                <div id="errorMsg" style="color: red; font-weight: bold;"></div>
            </td>
        </tr>
    </table>
</form>

```

登录失败返回提示:

```

<script type="text/javascript">
    var errorCode="<%=request.getParameter("errorCode")%>";
    if(errorCode == 501) {
        document.getElementById("errorMsg").innerHTML="验证码不能为空";
    } else if(errorCode == 502) {
        document.getElementById("errorMsg").innerHTML="验证码错误";
    } else if(errorCode == 503) {
        document.getElementById("errorMsg").innerHTML="用户名或密码不能为空";
    } else if(errorCode == 504) {
        document.getElementById("errorMsg").innerHTML="用户名或密码错误";
    }
</script>

```

#### (4) 退出 URL 链接

```

    <a href="https://sso.slimsmart.cn:8443/cas/logout?service=
http://www.slimsmart.cn:8888/demo ">单点登出</a>

```

以上红色字体的链接需要对应修改

https://sso.slimsmart.cn:8443/cas ---》单点登录服务器地址

http://www.slimsmart.cn:8888/demo ---》本地服务器地址

http://www.slimsmart.cn:8888/demo/login.jsp ---》本地服务器自定义登录页面

**注:** 登录成功, 获取用户名方法:

(1) request 直接获取

```
String username = request.getRemoteUser()
```

(2) 通过接口 AttributePrincipal 获取

```
AttributePrincipal principal=(AttributePrincipal) request.getUserPrincipal();
```

```
String username = principal.getName();
```

(3) 通过类 AssertionHolder 静态方法获取

```
String username =AssertionHolder.getAssertion().getPrincipal().getName()
```