

security-config.xml

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1  <?xml version="1.0" encoding="UTF-8"?>
2  <beans:beans xmlns="http://www.springframework.org/schema/security"
3      xmlns:beans="http://www.springframework.org/schema/beans"
4      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5      xsi:schemaLocation=" http://www.springframework.org/schema/beans
6                          http://www.springframework.org/schema/beans/spring-beans-3.0.xsd
7                          http://www.springframework.org/schema/security
8                          http://www.springframework.org/schema/security/spring-security.xsd">
9
10     <!-- Unsecured content -->
11     <http pattern="/resources/**" security="none" /> <!-- Static content (JS/CSS/etc.) -->
12     <http pattern="/content/**" security="none" /> <!-- Variable content served by controller -->
13
14     <!-- REST API specially secured, to comply with REST standards -->
15     <http auto-config="false" use-expressions="true" pattern="/api/**" entry-point-ref="restAuthenticationEntryPoint">
16         <intercept-url pattern="/api/login" access="permitAll" />
17         <intercept-url pattern="/api/logout" access="permitAll" />
18         <intercept-url pattern="/api/init/**" access="permitAll" />
19         <intercept-url pattern="/api/user/**" access="hasRole('ROLE_USER')"/>
20         <intercept-url pattern="/api/**" access="hasRole('ROLE_ADMIN')"/>
21
22         <form-login authentication-success-handler-ref="restAuthenticationSuccessHandler"
23             authentication-failure-handler-ref="restAuthenticationFailureHandler"
24             username-parameter="username"
25             password-parameter="password"
26             login-processing-url="/api/login"/>
27
28         <remember-me services-ref="rememberMeServices" />
29
30         <logout logout-url="/api/logout"
31             invalidate-session="true"
32             success-handler-ref="restLogoutSuccessHandler" />
33     </http>
34
35     <beans:bean id="restAuthenticationSuccessHandler"
36         class="de.steilerdev.myVerein.server.security.rest.RestAuthenticationSuccessHandler"/>
37     <beans:bean id="restAuthenticationFailureHandler"
38         class="de.steilerdev.myVerein.server.security.rest.RestAuthenticationFailureHandler"/>
39     <beans:bean id="restLogoutSuccessHandler"
40         class="de.steilerdev.myVerein.server.security.rest.RestLogoutSuccessHandler"/>
41     <beans:bean id="restAuthenticationEntryPoint"
42         class="de.steilerdev.myVerein.server.security.rest.RestAuthenticationEntryPoint"/>
43
44     <!-- Web pages secured through the standard implementation of spring security -->
45     <http auto-config="false" use-expressions="true" access-denied-page="/login?accessdenied">
46         <intercept-url pattern="/login" access="permitAll" />
47         <intercept-url pattern="/logout" access="permitAll" />
48         <intercept-url pattern="/error" access="permitAll" />
49         <intercept-url pattern="/**" access="hasRole('ROLE_ADMIN')"/>
50
51         <form-login login-page="/login"
52             default-target-url="/"
53             username-parameter="username"
54             password-parameter="password"
55             authentication-failure-url="/login?error"
56             login-processing-url="/login_check"/>
57
58         <logout logout-url="/logout"
59             logout-success-url="/login?logout"
60             delete-cookies="myVereinSessionCookie"
61             invalidate-session="true" />
62
63         <remember-me services-ref="rememberMeServices" />
64     </http>
65
66     <!-- Remember me configuration -->
67     <beans:bean id="rememberMeServices"
68         class="org.springframework.security.web.authentication.rememberme.PersistentTokenBasedRememberMeServices">
69         <beans:constructor-arg value="myVereinRememberMeKey"/>
70         <beans:constructor-arg ref="userAuthenticationService"/>
71         <beans:constructor-arg ref="tokenDataProvider"/>
72         <beans:property name="cookieName" value="myVereinRememberMeCookie"/>
73         <beans:property name="tokenLength" value="32"/>
74         <beans:property name="parameter" value="rememberMe"/>
75         <beans:property name="tokenValiditySeconds" value="604800" />
76         <!-- Todo: enable secure cookie -->
77         <!--beans:property name="useSecureCookie" value="true" /-->
78     </beans:bean>
79     <!-- Permanently storing remember me tokens within the database -->
80     <beans:bean id="tokenDataProvider" class="de.steilerdev.myVerein.server.security.RememberMeTokenDataProvider" />
81
82     <!-- Authentication configuration -->
83     <authentication-manager>
84         <!-- Plain text authentication without database as a fall back solution if
85             a password got lost, or the system compromised -->
86         <authentication-provider>
87             <user-service properties="classpath:myVereinUser.properties" />
88         </authentication-provider>
89         <!-- Authentication against database -->
90         <authentication-provider user-service-ref="userAuthenticationService">
91             <password-encoder ref="passwordEncoder">
92                 <salt-source user-property="salt" />

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93         </password-encoder>
94     </authentication-provider>
95     <authentication-provider ref="rememberMeAuthenticationService"/>
96 </authentication-manager>
97
98 <!-- Password encoder with SHA-512 hashing method and 1000 iterations using 8byte salting -->
99 <beans:bean id="passwordEncoder"
100     class="de.steilerdev.myVerein.server.security.PasswordEncoder" />
101
102 <beans:bean id="userAuthenticationService"
103     class="de.steilerdev.myVerein.server.security.UserAuthenticationService" />
104
105 <beans:bean id="rememberMeAuthenticationService"
106     class="org.springframework.security.authentication.RememberMeAuthenticationProvider">
107     <beans:constructor-arg value="myVereinRememberMeKey"/>
108 </beans:bean>
109 </beans:beans>
```