# SPRING SECURITY

**AUTHENTICATION**

MARCH, 2015

# EXCEPTION TRANSLATION FILTER
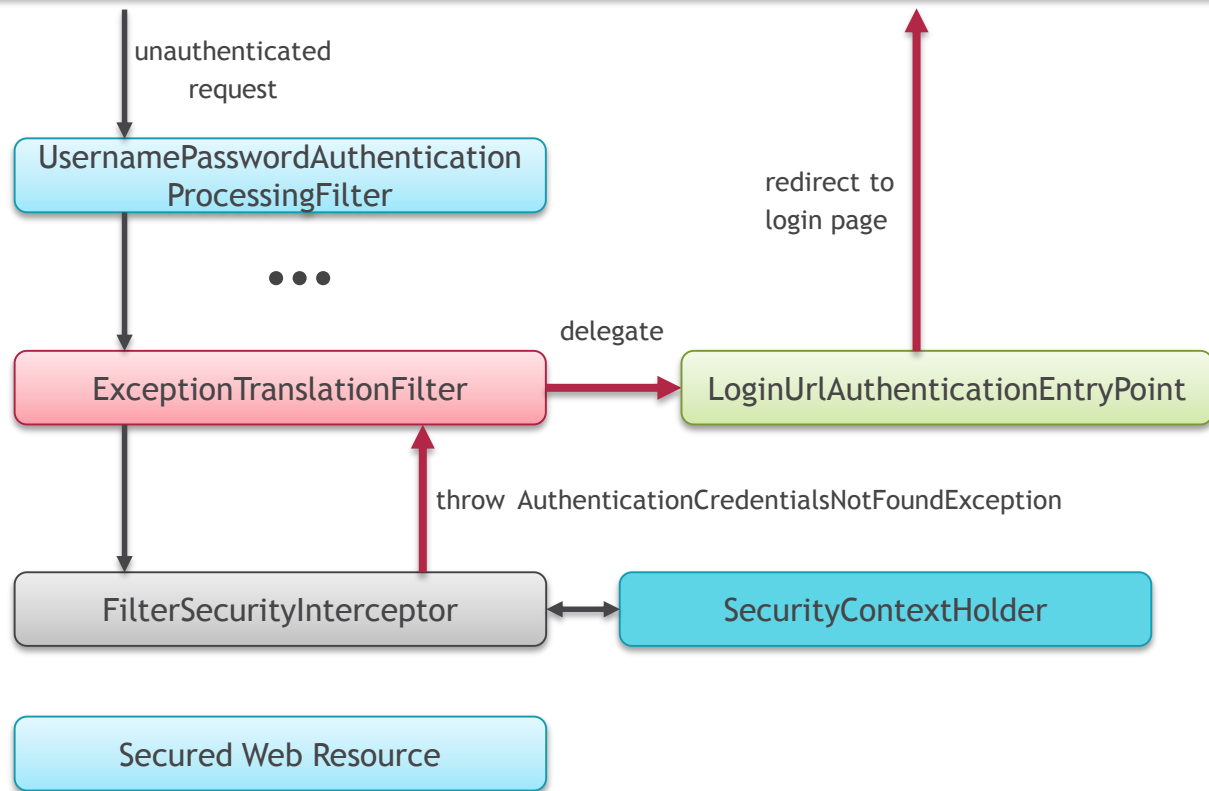
# PROCESSING LOGIN RESULT

/j_spring_security_check

populate with
UsernamePasswordAuthenticationToken

UsernamePasswordAuthentication
ProcessingFilter

●●●

ExceptionTranslationFilter

SecurityContextHolder

FilterSecurityInterceptor

AuthenticationManager

grant access

AccessDecisionManager

Secured Web Resource
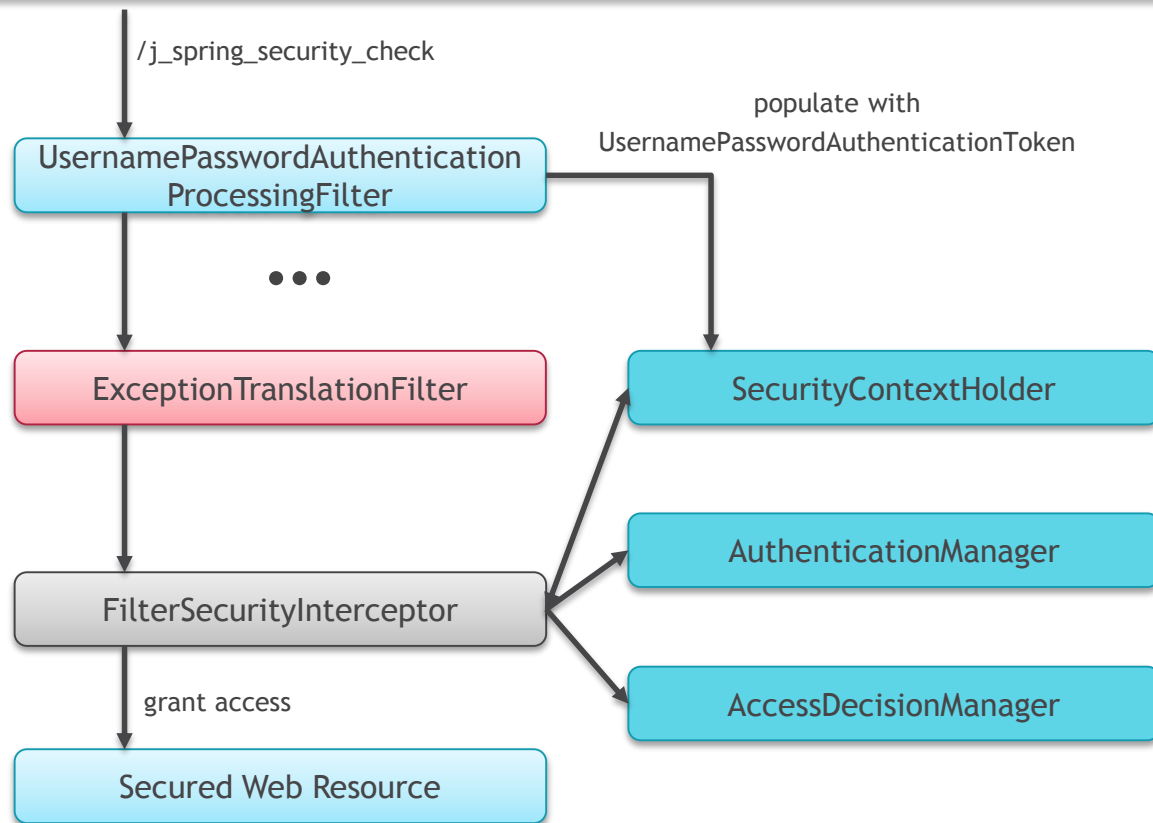
# FORM LOGIN CUSTOMIZATION

```xml
<http>
    <intercept-url …/>
    <form-login
        login-page="/login.html"
        default-target-url="/home.html"
        authentication-failure-url="/login.html?error=true"
<!--    authentication-success-handler-ref="successHandler"
        authentication-failure-handler-ref="failureHandler"
-->
    />
</http>
```

# HTTP SESSION INTEGRATION
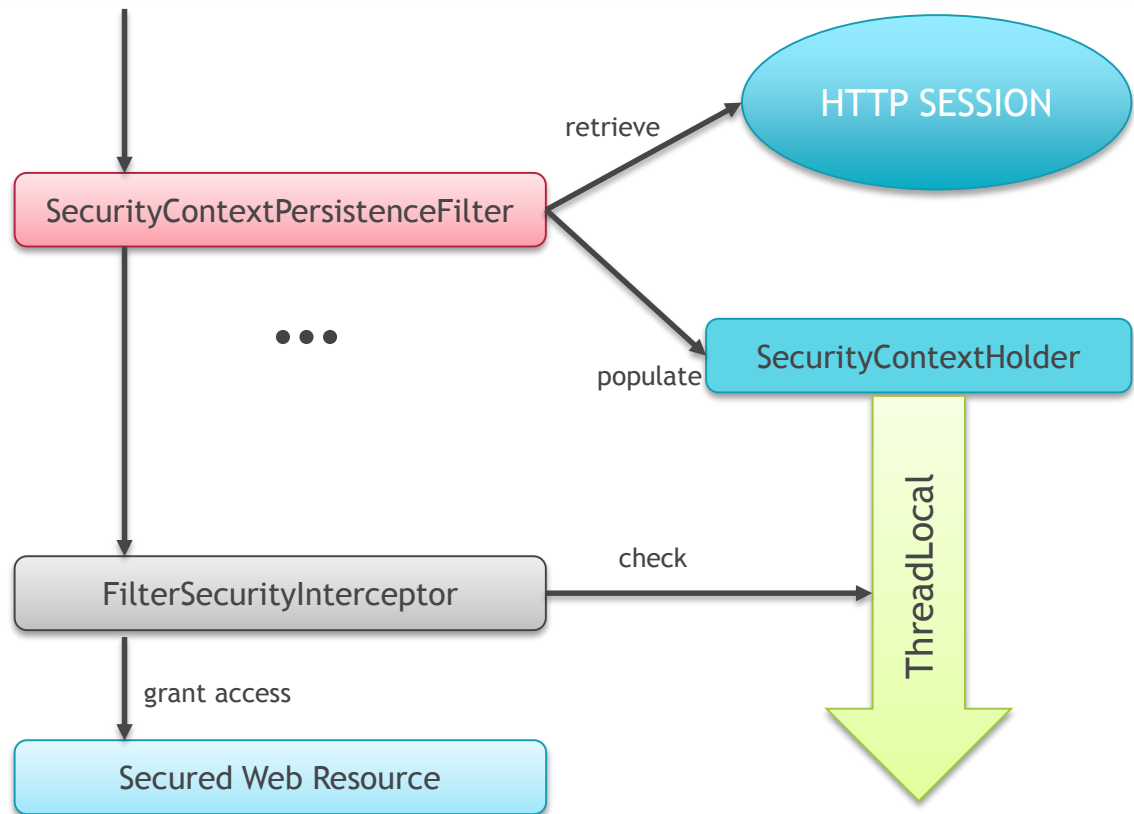
# SECURITY CONTEXT REPOSITORY

```java
public interface SecurityContextRepository {
    SecurityContext loadContext(HttpRequestResponseHolder holder);

    void saveContext(SecurityContext context, HttpServletRequest request,
                                        HttpServletResponse response);

    boolean containsContext(HttpServletRequest request);
}
```

# REMEMBER-ME AUTHENTICATION
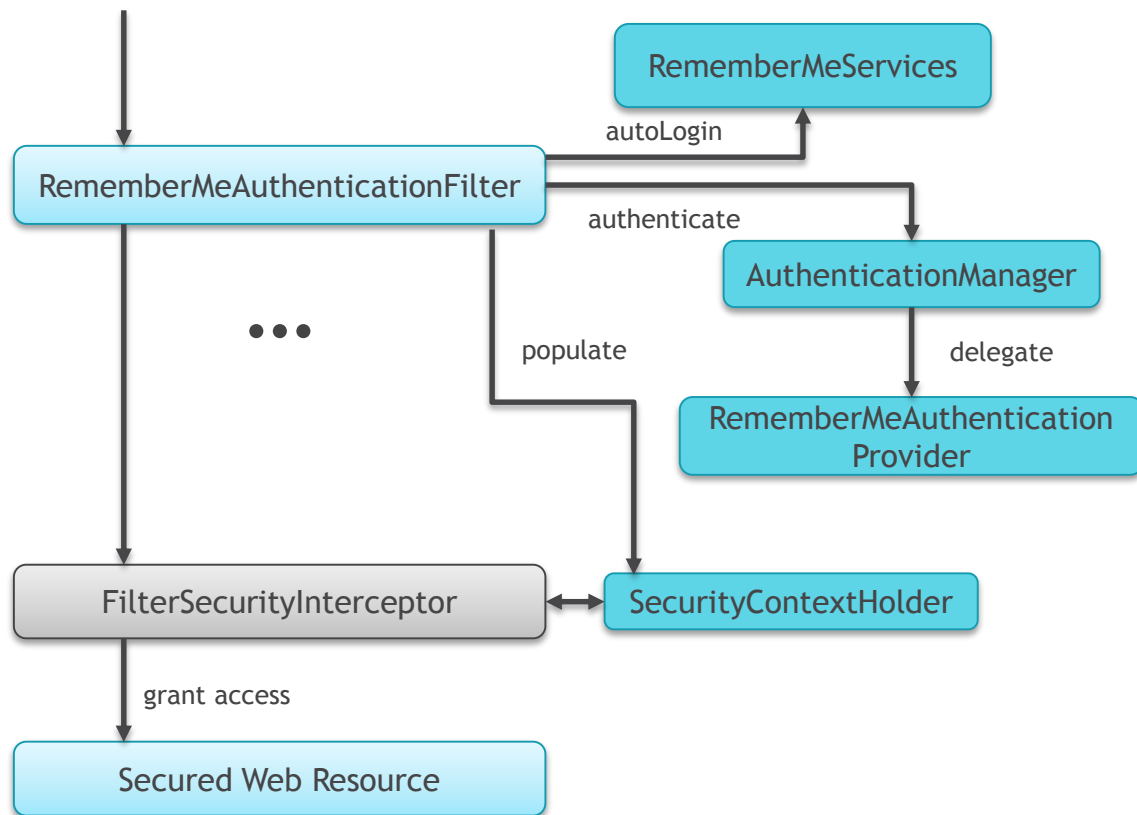
# REMEMBER-ME CONFIGURATION

```xml
<http>
    <remember-me data-source-ref="myDataSource"/>
</http>

<bean id="myDataSource"
      class="o.s.jdbc.datasource.DriverManagerDataSource">
…
</bean>
```

persistent_logins

| username | series | token | last_used |
|----------|--------|-------|-----------|
|          |        |       |           |
|          |        |       |           |

# BEANS BEHIND REMEMBER-ME

```xml
<bean id="rememberMeFilter"
        class="o.s.s.web.authentication.rememberme.RememberMeAuthenticationFilter">
  <property name="rememberMeServices" ref="rememberMeServices"/>
  <property name="authenticationManager" ref="theAuthenticationManager" />
</bean>

<bean id="rememberMeServices"
        class="o.s.s.web.authentication.rememberme.TokenBasedRememberMeServices">
  <property name="userDetailsService" ref="myUserDetailsService"/>
  <property name="key" value="rememberMeKey"/>
</bean>

<bean id="rememberMeAuthenticationProvider"
          class="o.s.s.authentication.rememberme.RememberMeAuthenticationProvider">
  <property name="key" value="rememberMeKey"/>
</bean>
```

# THANK YOU!

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