SPRING SECURITY

MARCH, 2015

AUTHORIZATION CONCEPT

ConfigAttribute

SecurityInterceptor

Authentication

GrantedAuthority
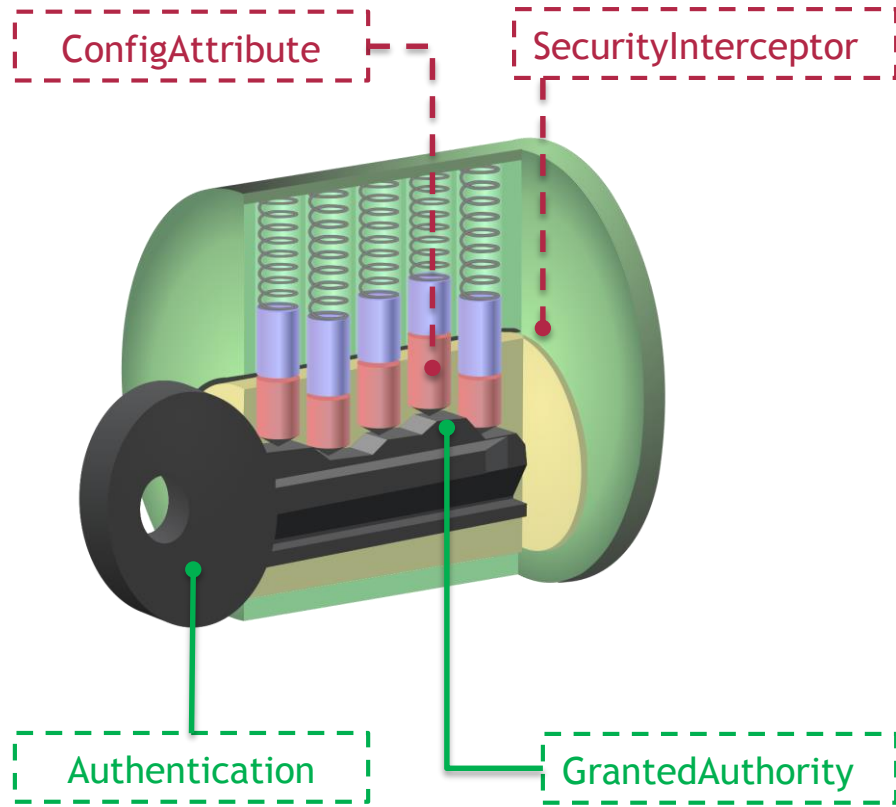
AUTHORIZATION WORKFLOW
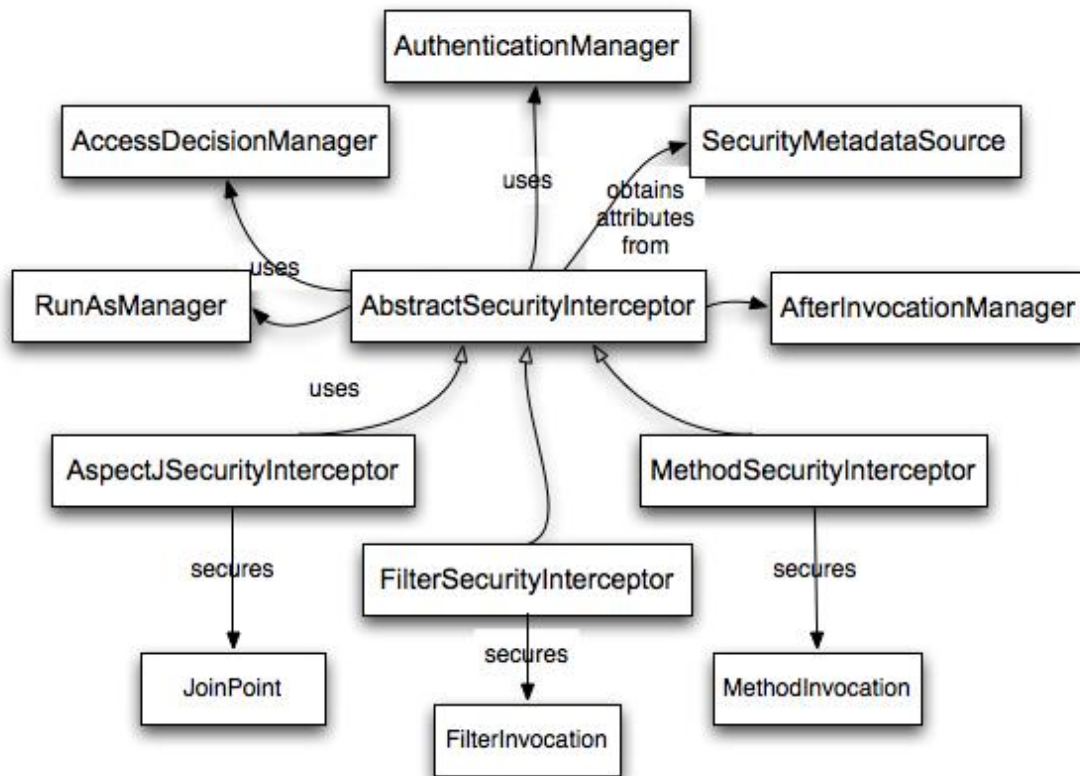
AccessDecisionManager

```java
public interface AccessDecisionManager {
    void decide(Authentication auth,
                Object securedObject,
                Collection<ConfigAttribute> configAttributes)
                throws AccessDeniedException, InsufficientAuthenticationException;

    boolean supports(ConfigAttribute attribute);

    boolean supports(Class<?> clazz);
}
```

VOTING-BASED AccessDecisionManager
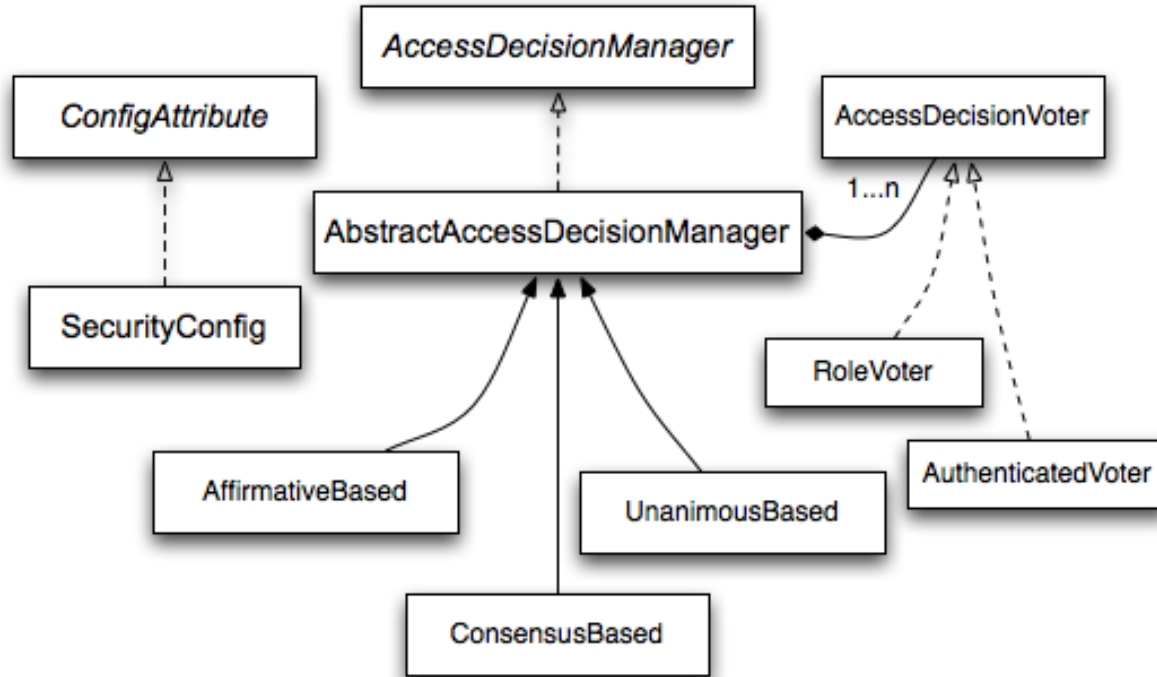
EXPRESSION BASED AUTHORIZATION

```xml
<http use-expressions="true">
    <intercept-url pattern="/admin*"
        access="hasRole('admin') and hasIpAddress('192.168.1.0/24')"/>
    ...
  </http>
```

Expression	Description
hasRole([role])	true if principal has specified role
hasAnyRole([role1, role2])	true if principal has any of the specified roles
principal	allows direct access to the principal object
authentication	allows direct access to the current Authentication object
permitAll	always evaluates to true
denyAll	always evaluates to false
isRememberMe ()	true if principal is a remember-me user
isAuthenticated()	true if user is not anonymous
isFullyAuthenticated()	true if the user is not an anonymous or a remember-me user

THANK YOU!

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