Spring Professional Exam Tutorial v5.0

Question 11

Question 11 - How are @PreAuthorized and @RolesAllowed annotations implemented?

`@PreAuthorized` and `@RolesAllowed` annotations are implemented with usage of Spring AOP and `AccessDecisionVoter(s)`.

`AccessDecisionVoter(s)` are called by `AccessDecisionManager`, which is called by `MethodSecurityInterceptor`, which are registered by one of `AdvisorAutoProxyCreator`. Pointcuts and Advices for AOP are pointed by `MethodSecurityMetadataSourceAdvisor`. Currently used `MethodSecurityInterceptor` is pointed by `GlobalMethodSecurityConfiguration#methodSecurityInterceptor`.

`@RolesAllowed` annotation is implemented by `Jsr250Voter`.

`@PreAuthorized` annotation is implemented by `PreInvocationAuthorizationAdviceVoter`.