Actually I’m using latest vesion of Users microsevice of this course so it contains method level security and role based acces control etc.(Spring Boot version: 3.2.1)

user microservice has no security conf in application.properties

Using POST method to url <http://ec2-13-50-31-197.eu-north-1.compute.amazonaws.com:8011/users-ws/users/> gives following log.

2024-07-12T23:39:50.653Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-5] [ ] o.s.security.web.FilterChainProxy : Securing POST /users/

2024-07-12T23:39:50.653Z TRACE [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-5] [ ] c.h.p.a.u.security.AuthenticationFilter : Did not match request to Ant [pattern='/users/login']

2024-07-12T23:39:50.656Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-5] [ ] o.s.security.web.FilterChainProxy : Secured POST /users/

2024-07-12T23:39:50.656Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-5] [ ] o.s.web.servlet.DispatcherServlet : POST "/users/", parameters={}

2024-07-12T23:39:50.658Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-5] [ ] o.s.w.s.handler.SimpleUrlHandlerMapping : Mapped to ResourceHttpRequestHandler [classpath [META-INF/resources/], classpath [resources/], classpath [static/], classpath [public/], ServletContext [/]]

2024-07-12T23:39:50.688Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-5] [ ] o.s.w.s.r.ResourceHttpRequestHandler : Resource not found

2024-07-12T23:39:50.690Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-5] [ ] .m.m.a.ExceptionHandlerExceptionResolver : Using @ExceptionHandler org.springframework.boot.autoconfigure.web.servlet.ProblemDetailsExceptionHandler#handleException(Exception, WebRequest)

2024-07-12T23:39:50.691Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-5] [ ] o.s.w.s.m.m.a.HttpEntityMethodProcessor : Using 'application/problem+json', given [\*/\*] and supported [application/problem+json, application/problem+xml]

2024-07-12T23:39:50.692Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-5] [ ] o.s.w.s.m.m.a.HttpEntityMethodProcessor : Writing [ProblemDetail[type='about:blank', title='Not Found', status=404, detail='No static resource users.', (truncated)...]

2024-07-12T23:39:50.694Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-5] [ ] .m.m.a.ExceptionHandlerExceptionResolver : Resolved [org.springframework.web.servlet.resource.NoResourceFoundException: No static resource users.]

2024-07-12T23:39:50.694Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-5] [ ] o.s.web.servlet.DispatcherServlet : Completed 404 NOT\_FOUND

{

"type": "about:blank",

"title": "Not Found",

"status": 404,

"detail": "No static resource users.",

"instance": "/users/"

}

Using GET method to url [http://13.50.31.197:8011/users-ws/users/d99f0475-2558-4746-a6f4-48be4b20db7b](http://13.50.31.197:8011/users-ws/users/d99f0475-2558-4746-a6f4-48be4b20db7bg) gives following log.

2024-07-12T23:44:09.992Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-9] [ ] o.s.security.web.FilterChainProxy : Securing GET /users/d99f0475-2558-4746-a6f4-48be4b20db7b

2024-07-12T23:44:09.993Z TRACE [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-9] [ ] c.h.p.a.u.security.AuthenticationFilter : Did not match request to Ant [pattern='/users/login']

2024-07-12T23:44:09.995Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-9] [ ] o.s.s.w.a.AnonymousAuthenticationFilter : Set SecurityContextHolder to anonymous SecurityContext

2024-07-12T23:44:09.996Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-9] [ ] o.s.s.w.session.SessionManagementFilter : Request requested invalid session id 1363F268BAEE5B9CF4F7BD66A5984228

2024-07-12T23:44:09.996Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-9] [ ] o.s.security.web.FilterChainProxy : Secured GET /users/d99f0475-2558-4746-a6f4-48be4b20db7b

2024-07-12T23:44:09.997Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-9] [ ] o.s.web.servlet.DispatcherServlet : GET "/users/d99f0475-2558-4746-a6f4-48be4b20db7b", parameters={}

2024-07-12T23:44:09.999Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-9] [ ] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped to com.hasandag.photoapp.api.users.ui.controllers.UsersController#getUser(String, String)

2024-07-12T23:44:10.000Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-9] [ ] horizationManagerBeforeMethodInterceptor : Authorizing method invocation ReflectiveMethodInvocation: public org.springframework.http.ResponseEntity com.hasandag.photoapp.api.users.ui.controllers.UsersController.getUser(java.lang.String,java.lang.String); target is of class [com.hasandag.photoapp.api.users.ui.controllers.UsersController]

2024-07-12T23:44:10.006Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-9] [ ] horizationManagerBeforeMethodInterceptor : Failed to authorize ReflectiveMethodInvocation: public org.springframework.http.ResponseEntity com.hasandag.photoapp.api.users.ui.controllers.UsersController.getUser(java.lang.String,java.lang.String); target is of class [com.hasandag.photoapp.api.users.ui.controllers.UsersController] with authorization manager org.springframework.security.config.annotation.method.configuration.DeferringObservationAuthorizationManager@4f0f9496 and decision ExpressionAuthorizationDecision [granted=false, expressionAttribute=hasRole('ADMIN') or hasRole('USER') or principal == #userId]

This log implies I have no ADMIN or USER role and principal == #userId

403 Forbidden

2024-07-12T23:44:10.007Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-9] [ ] o.s.web.servlet.DispatcherServlet : Failed to complete request: org.springframework.security.access.AccessDeniedException: Access Denied

2024-07-12T23:44:10.008Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-9] [ ] o.s.s.w.a.Http403ForbiddenEntryPoint : Pre-authenticated entry point called. Rejecting access

2024-07-12T23:44:10.011Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-9] [ ] o.s.security.web.FilterChainProxy : Securing GET /error

2024-07-12T23:44:10.011Z TRACE [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-9] [ ] c.h.p.a.u.security.AuthenticationFilter : Did not match request to Ant [pattern='/users/login']

2024-07-12T23:44:10.012Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-9] [ ] o.s.s.w.a.AnonymousAuthenticationFilter : Set SecurityContextHolder to anonymous SecurityContext

2024-07-12T23:44:10.012Z DEBUG [users-ws,,] 1 --- [users-ws] [o-auto-1-exec-9] [ ] o.s.s.w.a.Http403ForbiddenEntryPoint : Pre-authenticated entry point called. Rejecting access

<https://github.com/spring-projects/spring-security/issues/14450>

this post says they got 403 Forbidden after migration to 3.2.1. I’ve tried 3.2.1 and 3.3.1 got the same errors

my UserController class has those methods already.

@PostMapping(  
 consumes = { MediaType.*APPLICATION\_XML\_VALUE*, MediaType.*APPLICATION\_JSON\_VALUE* },  
 produces = { MediaType.*APPLICATION\_XML\_VALUE*, MediaType.*APPLICATION\_JSON\_VALUE* }  
 )  
public ResponseEntity<CreateUserResponseModel> createUser(@RequestBody CreateUserRequestModel userDetails)

@GetMapping(value="/{userId}", produces = { MediaType.*APPLICATION\_XML\_VALUE*, MediaType.*APPLICATION\_JSON\_VALUE* })  
 @PreAuthorize("hasRole('ADMIN') or hasRole('USER') or principal == #userId")  
public ResponseEntity<UserResponseModel> getUser(@PathVariable("userId") String userId,   
 @RequestHeader("Authorization") String authorization)

I generally think spring has a method level security bug or we have to do some other things to migrate 3.2.1 !