

package com.cognizant.jwt.config;  
  
import org.springframework.context.annotation.Bean;  
import org.springframework.context.annotation.Configuration;  
import org.springframework.security.config.annotation.web.builders.HttpSecurity;  
import org.springframework.security.web.SecurityFilterChain;  
  
@Configuration  
public class SecurityConfig {  
  
 @Bean  
 public SecurityFilterChain filterChain(HttpSecurity http) throws Exception {  
 http.csrf().disable()  
 .authorizeHttpRequests()  
 .requestMatchers("/authenticate").permitAll()  
 .anyRequest().authenticated();  
 return http.build();  
 }  
}

package com.cognizant.jwt.controller;  
  
import io.jsonwebtoken.Jwts;  
import io.jsonwebtoken.SignatureAlgorithm;  
import org.springframework.web.bind.annotation.\*;  
  
import javax.servlet.http.HttpServletRequest;  
import java.util.Base64;  
import java.util.Date;  
  
@RestController  
public class AuthenticationController {  
  
 private static final String *SECRET\_KEY* = "mySecretKey";  
  
 @RequestMapping("/authenticate")  
 public String authenticate(HttpServletRequest request) {  
 String header = request.getHeader("Authorization");  
  
 if (header == null || !header.startsWith("Basic ")) {  
 return "Missing Authorization header";  
 }  
  
 String base64Credentials = header.substring("Basic ".length());  
 String credentials = new String(Base64.*getDecoder*().decode(base64Credentials));  
 String[] values = credentials.split(":", 2);  
  
 String username = values[0];  
 String password = values[1];  
  
 if ("user".equals(username) && "pwd".equals(password)) {  
 String token = Jwts.*builder*()  
 .setSubject(username)  
 .setIssuedAt(new Date())  
 .setExpiration(new Date(System.*currentTimeMillis*() + 1000 \* 60 \* 10)) // 10 min  
 .signWith(SignatureAlgorithm.*HS256*, *SECRET\_KEY*)  
 .compact();  
 return "{\"token\":\"" + token + "\"}";  
 } else {  
 return "Invalid credentials";  
 }  
 }  
}

package com.cognizant.jwt;  
  
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
  
@SpringBootApplication  
public class SpringJwtAuthApplication {  
 public static void main(String[] args) {  
 SpringApplication.*run*(SpringJwtAuthApplication.class, args);  
 }  
}

server.port=8090  
logging.level.org.springframework=INFO

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