

Package com.mapmyjourney.backend.security

## Class SecurityConfig

java.lang.Object  
com.mapmyjourney.backend.security.SecurityConfig

```
@Configuration
@EnableWebSecurity
@EnableMethodSecurity(prePostEnabled=true)
public class SecurityConfig
extends Object
```

Configuración de Spring Security con JWT y CORS. - Define rutas públicas (/register, /login, Swagger) - Protege endpoints privados que requieren autenticación - Configura CORS para Angular Frontend (localhost:4200) - Integra JwtAuthenticationFilter

### Constructor Summary

#### Constructors

##### Constructor

##### Description

**SecurityConfig()**

### Method Summary

#### All Methods

#### Instance Methods

#### Concrete Methods

##### Modifier and Type

##### Method

##### Description

org.springframework.security.authentication.AuthenticationManager

**authenticationManager(org.springframework.security.config.annotation.web.builders.HttpSecurity http)**

Configura el AuthenticationManager con DaoAuthenticationProvider.

org.springframework.web.cors.CorsConfigurationSource

**corsConfigurationSource()**

Configura CORS para permitir solicitudes desde el frontend en localhost:4200.

org.springframework.security.authentication.dao.DaoAuthenticationProvider

**daoAuthenticationProvider()**

Configura el proveedor de autenticación DAO.

org.springframework.security.web.SecurityFilterChain

**filterChain(org.springframework.security.config.annotation.web.builders.HttpSecurity http)**

Configura la cadena de filtros de seguridad HTTP.

org.springframework.security.crypto.password.PasswordEncoder

**passwordEncoder()**

Define el encoder de contraseñas (BCrypt).

#### Methods inherited from class java.lang.Object

**clone(), equals(), finalize(), getClass(), hashCode(), notify(), notifyAll(), toString(), wait(), wait(), wait()**

### Constructor Details

#### SecurityConfig

```
public SecurityConfig()
```

## Method Details

### filterChain

```
@Bean  
public org.springframework.security.web.SecurityFilterChain filterChain  
(org.springframework.security.config.annotation.web.builders.HttpSecurity http)  
throws Exception
```

Configura la cadena de filtros de seguridad HTTP. Define rutas públicas y privadas, y configura CORS.

**Throws:**

[Exception](#)

### corsConfigurationSource

```
@Bean  
public org.springframework.web.cors.CorsConfigurationSource corsConfigurationSource()
```

Configura CORS para permitir solicitudes desde el frontend en localhost:4200. Explícitamente permite el preflight (OPTIONS) que es obligatorio para CORS en navegadores.

### authenticationManager

```
@Bean  
public org.springframework.security.authentication.AuthenticationManager authenticationManager  
(org.springframework.security.config.annotation.web.builders.HttpSecurity http)  
throws Exception
```

Configura el AuthenticationManager con DaoAuthenticationProvider.

**Throws:**

[Exception](#)

### daoAuthenticationProvider

```
@Bean  
public org.springframework.security.authentication.dao.DaoAuthenticationProvider daoAuthenticationProvider()
```

Configura el proveedor de autenticación DAO. Usa CustomUserDetailsService para cargar usuarios de la base de datos.

### passwordEncoder

```
@Bean  
public org.springframework.security.crypto.password.PasswordEncoder passwordEncoder()
```

Define el encoder de contraseñas (BCrypt).