**Secure a Simple Spring MVC Application**

Intro to Spring Security  
A Basic Security Java Config  
URL Authorization  
Building a Login Form  
Implementing Logout  
Anonymous “Authentication”  
A Full Registration Flow

**The basics of a simple Registration flow (Esercizio)**

Activate a new account via email  
How to do “I forgot my password” right  
Adding Security Questions  
Password Strength Rules on the Server and on the Client side  
Remember Me

**​3. A simple Remember Me flow**

Remember Me with Cookie  
Remember Me with Persistence  
Remember Me - the advanced scenarios  
Spring Security on the Client

**4. Spring Security JSP tags**The Authentication TagDisplaying the Current UserThe Authorization TagThymeleaf and Spring SecuritySpring Security Expressions

**5. By URL Authorization with Expressions**In Page Authorization with ExpressionsOn Method Authorization with ExpressionsProgrammatic Expressions and a custom PermissionEvaluatorPassword Storage

**​Introduction to Storing Passwords**

Using Hashed Passwords (MD5)  
Why Hashing Isn't Enough - Using Salts  
PasswordEncoder and SaltSource  
Key Stretching  
The BCrypt solution  
Spring Security Advanced Configuration

**Authentication Managers and Providers**

The Security Context   
Plug-In Points into the framework  
Configure Advanced Scenarios  
Advanced Authentication

**In Memory user storage**

A simple UserDetailsService  
JDBC backed user storage  
Hibernate/JPA user storage  
Setting up multiple authentication providers  
Authentication with OpenID  
X.509 Authentication  
Advanced Authorization

**FilterSecurityInterceptor and Friends**

The AccessDecisionManager  
Voting  
Access-Decision Strategies  
A custom AccessDecisionVoter  
Basic REST API Security

**API Security with Basic Authentication**

Digest Authentication in the API

Using cookies and the session for REST Security?

HTTPS for the API

ACL with Spring Security

**Introduction ACL and Domain Object Security**

The Data Structure of ACL

ACL with Spring Security

Advanced ACL and non-JDBC persistence

Advanced REST API Security

**Intro to OAuth2 for the REST API**

Enable and configure OAuth2 with Spring Security

Tokens, OAuth2 and JWT

Refreshing a Token

Understanding CSRF protection

OAuth2 Beyond the REST API

**The OAuth2 Implicit Flow for an MVC application**

Confidential Clients and the Client Credentials Flow

Server Side applications and the Authorization Code Flow

Spring Social and using third-party OAuth2 providers

Two-Factor Authentication

**A Two-Factor implementation using a soft-token (smartphone app)**

Two-Factor with hardware token

Two-Factor with SMS

Advanced Spring Security Scenarios

**Spring Security for a non-Spring application**

Multi-Tenancy with Spring Security

Spring Session for session management

SAML with Spring Security

Spring Security with LDAP

CAS Authentication and SSO