

## Spring Security

(3 days hands-on)

This course provides a comprehensive guide to Spring Security 3. The course describes security concepts and techniques as they pertain to Spring applications, and shows how to combine Spring Security 3 with external security providers such as LDAP, OpenID, CAS, Kerberos, and Active Directory.

### Contents

- **Spring Security - Essentials:** Core security concepts; Authentication mechanisms; Authorization mechanisms
- **Managing Logins:** Defining and customizing a login page; Understanding logout functionality; Using "remember me"; Managing passwords
- **Securing Credential Storage:** Database-backed authentication with Spring Security; Configuring group-based authorization; Configuring secure passwords; Securing a site with SSL
- **Fine-Grained Access Control:** Methods of fine-grained authorization; Securing the business layer; Advanced method security
- **Going Further with Spring Security:** Writing a custom security filter; Writing a custom authentication provider; Session management and concurrency; Advanced bean configuration issues; Authentication event handling
- **Access Control Lists (ACLs):** Using ACLs for business object security; Basic configuration of Spring Security ACL support; Advanced ACL topics
- **Using OpenID:** Overview of OpenID; OpenID authentication; OpenID user registration
- **LDAP Directory Services:** Understanding LDAP; Configuring basic LDAP integration; Understanding how Spring LDAP authentication works; Advanced LDAP configuration
- **Single Sign-On with Central Authentication Service (CAS):** Overview of CAS; Configuring basic CAS integration; Advanced CAS configuration
- **Client Certificate Authentication:** Overview of Client Certificate authentication; Setting up a Client Certificate authentication infrastructure; Configuring Client Certificate authentication in Spring Security
- **Spring Security Extensions:** Kerberos authentication in Spring Security; Configuring LDAP with Kerberos; Using form login with Kerberos

### Who Should Attend:

Spring developers who wish to implement security in their applications.

### Prerequisites:

Solid programming experience with the Spring Framework.