

Java Training: The Complete Security Workshop (JSECU, 4 jours)

Description

The course The Complete Security Workshop (Java Training) is essential for any developer who is working on front-end web applications or working on the security infrastructure of JEE applications. The course content aims to demystify Java SE and EE security at all levels. Starting with an overview of threats and risks, the student is guided in a hands-on exploration of JAAS (Java Authentication and Authorization services), followed by creating custom security providers and best practices.

Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

The Java Security Framework

The Need for a Robust Security Framework

Protecting Enterprise Resources

Java SE Security Model

About the Security Model

Users, Groups and Roles

About Securing Resources

Authentication

Web Application Security

Implementing Security

BEA WebLogic Server Security

Security Framework Overview

JAAS

Subjects and Principals

Security Realms

About Roles

Security Providers

Web Application Security

Security Threats and Vulnerabilities

Types of Attacks

Digital Signatures

Certificates

Secure Sockets Layer (SSL)

Public Key Infrastructure (PKI)

Antivirus Products, Firewalls and Sniffers

Web Application Security Best Practices

The Security Policy

Security Updates

Keys and Certificates

Logging and Auditing

Securing WebLogic Server Applications

The Default Realm

Selecting a Realm

Creating Users and Groups

Global Roles

Scoped Roles

Security Policies

The Lightweight Directory Access Protocol (LDAP)

External LDAP Servers

JNDI Authentication

JMS Security

Overview of JMS Security

JMS Security Architecture

Authentication

Authorization

Roles

Using Encryption: Java Encryption Extensions

JAAS

Overview

JAAS Configuration

Callback Handlers

Using LoginContext

Writing the Code

Executing the Code

Creating a Custom Security Provider

The SecurityProvider Interface

The AuthenticationProvider Interface

The LoginModule Interface

WebLogic Definition Files

Building and Deploying Custom Security Providers

SSL

Digital Certificates

Server Authentication

Mutual Authentication

Establishing Domain Trusts

Best Practices

User Lockout

Connection Filtering

Advisories and Notifications

Machine Security

File System Security

Network Connections

DOS Attacks

Tuning and Auditing