Securing the Application

INTRODUCTION

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Overview

Understanding Spring Security

Configure Application to support Spring Security

How to use Basic HTTP Authentication

Form Based Authentication with the Database support

What is Spring Security ?

A flexible and powerful authentication and access control framework to secure Spring based Web Applications.

Spring Security

Used within Web Applications

- Accessed through internet
- Vulnerable to hacker's attacks

Provides a set of Servlet filters to perform various kinds of security services for web applications.

Spring Security

Authentication

Authorization

Authentication

Process of verifying a Principal's Identity against what it claims to be.

Principal

- User
- Device
- System
- Has to provide the evidence of its identity

Authorization

Process of granting authorities to an authenticated user

Authorization process will be performed after the Authentication process

Setting up Development Environment for Supporting Spring Security

Steps to Configure Hibernate with Spring MVC

① Download Spring Security Jar files

② Add the Spring Security Jar files to our application

③ Configure DelegatingFilterProxy instance

④ Setup the filter-mapping to our URL-Pattern

Demo: Applying spring Security using HTTP-basic Authentication

Demo: HTTP-basic Authentication using Properties File

Demo: Spring Security Custom Login Form

Demo: Integrating Spring Security with Database

Summary

Understanding Spring Security

How to use Basic HTTP Authentication

Custom Login Form

Integrating Spring Security with Database