

The Learn Spring Security Course Baeldung

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an empirical approach to securing your web applications about this video fully secure your web application with spring security implement authentication and registration with the database as well as with ldap utilize authorization examples that help guide you through the authentication of users step by step learn with precise and practical examples for advanced security scenarios such as acl rest and remember me see how to integrate with your choice of technology and framework in detail secure a standard java web application with spring security by implementing registration and authentication processes and setting up the remember me mechanism this course shows you how to leverage the powerful authorization mechanisms available and allows you to grasp the full flexibility of spring expressions learn how to secure the rest api of this application and how to set up the advanced acl authorization for practical application this video course will help you secure your web application with the use of highly practical examples you will also learn how to implement security

checks thus enabling you to create a staunch authentication mechanism that will prevent spoofing integrate with ldap and progress on to more advanced security techniques such as remember me or the powerful acl mechanism these pragmatic videos will help you learn how to implement various techniques for securing your web application through the use of simple to advanced use cases that follow the development of a web application using practical step by step examples each video section shows different ways to empower spring security for the web the authentication techniques comprising of login registration and logout are implemented in this course moreover the remember me functionality is added to the web app in addition to integration with a production ready ldap server further on the authorization method is used and discussed in detail with simple roles before moving on to the more flexible spring expressions and finally the extremely powerful access control lists mechanism which allow security rules per object ultimately this video course is meant to help you hit the ground running with proper security for your web applications the primary goal of the course is to be efficient utilitarian and immediately applicable for a web application

want to secure your spring boot based api now you know that securing your api is essential and the one stop solution in a spring based api is spring security spring security can solve almost all problems you are facing with security in an api but it is one of the most complex modules of the whole spring ecosystem in this guide author jens boje teaches you how to implement spring security in your applications quickly and easily

in this securing java applications with spring security training course expert author kevin bowersox will teach you everything you need to know to secure java web applications with spring security this course is designed for users that already have a working knowledge of java xml html and javascript you will start with an introduction to spring security then jump into learning the basics of spring security from there kevin will teach you about authentication including custom authentication creating new user accounts and user details this video tutorial also covers jdbc authentication ldap authentication authorization and access control finally you will learn advanced features including https channel security and java configuration once you have completed this computer based training course you will have learned how to provide authentication and authorization to java web applications using spring security resource description page

spring security in action shows you how to prevent cross site scripting and request forgery attacks before they do damage you ll start with the basics simulating password upgrades and adding multiple types of authorization as your skills grow you ll adapt spring security to new architectures and create advanced oauth2 configurations by the time you re done you ll have a customized spring security configuration that protects against threats both common and extraordinary summary while creating secure applications is critically important it can also be tedious and time consuming to stitch

together the required collection of tools for java developers the powerful spring security framework makes it easy for you to bake security into your software from the very beginning filled with code samples and practical examples spring security in action teaches you how to secure your apps from the most common threats ranging from injection attacks to lackluster monitoring in it you'll learn how to manage system users configure secure endpoints and use oauth2 and openid connect for authentication and authorization purchase of the print book includes a free ebook in pdf kindle and epub formats from manning publications about the technology security is non negotiable you rely on spring applications to transmit data verify credentials and prevent attacks adopting secure by design principles will protect your network from data theft and unauthorized intrusions about the book spring security in action shows you how to prevent cross site scripting and request forgery attacks before they do damage you'll start with the basics simulating password upgrades and adding multiple types of authorization as your skills grow you'll adapt spring security to new architectures and create advanced oauth2 configurations by the time you're done you'll have a customized spring security configuration that protects against threats both common and extraordinary what's inside encoding passwords and authenticating users securing endpoints automating security testing setting up a standalone authorization server about the reader for experienced java and spring developers about the author laurentiu spilca is a dedicated development lead and trainer at endava with over ten years of java experience table of contents part 1 first steps 1 security today 2 hello spring security part 2 implementation 3 managing users 4 dealing with passwords 5 implementing authentication 6 hands on a small secured web application 7 configuring authorization restricting access 8 configuring authorization applying restrictions 9 implementing filters 10 applying csrf protection and cors 11 hands on a separation of responsibilities 12 how does oauth 2 work 13 oauth 2 implementing the authorization server 14 oauth 2 implementing the resource server 15 oauth 2 using jwt and cryptographic signatures 16 global method security pre and postauthorizations 17 global method security pre and postfiltering 18 hands on an oauth 2 application 19 spring security for reactive apps 20 spring security testing

build and deploy secure spring framework and spring boot based enterprise java applications with the spring security framework this book explores a comprehensive set of functionalities to implement industry standard authentication and authorization mechanisms for java applications pro spring security second edition has been updated to incorporate the changes in spring framework 5 and spring boot 2 it is an advanced tutorial and reference that guides you through the implementation of the security features for a java web application by presenting consistent examples built from the ground up this book also provides you with a broader look into spring security by including up to date use cases such as building a security layer for restful web services and grails applications what you will learn explore the scope of security and how to use the spring security framework master spring

security architecture and design secure the web tier in spring work with alternative authentication providers take advantage of business objects and logic security extend spring security with other frameworks and languages secure the service layer who this book is for experienced spring and java developers with prior experience in building spring framework or boot based applications

secure your java applications by integrating the spring security framework in your code key features provide authentication authorization and other security features for java applications learn how to secure microservices cloud and serverless applications easily understand the code behind the implementation of various security features book description security is one of the most vital concerns for any organization the complexity of an application is compounded when you need to integrate security with existing code new technology and other frameworks this book will show you how to effectively write java code that is robust and easy to maintain hands on spring security 5 for reactive applications starts with the essential concepts of reactive programming spring framework and spring security you will then learn about a variety of authentication mechanisms and how to integrate them easily with the spring mvc application you will also understand how to achieve authorization in a spring webflux application using spring security you will be able to explore the security configurations required to achieve oauth2 for securing rest apis and integrate security in microservices and serverless applications this book will guide you in integrating add ons that will add value to any spring security module by the end of the book you will be proficient at integrating spring security in your java applications what you will learn understand how spring framework and reactive application programming are connected implement easy security configurations with spring security expressions discover the relationship between oauth2 and openid connect secure microservices and serverless applications with spring integrate add ons such as hdiv crypto module and cors support apply spring security 5 features to enhance your java reactive applications who this book is for if you are a java developer who wants to improve application security then this book is for you a basic understanding of spring spring security framework and reactive applications is required to make the most of the book

8 hours of video instruction overview in spring security livelessons learn from spring experts rob winch spring security project lead and josh long spring developer advocate rob and josh will teach you how to leverage both built in and custom authentication and authorization in spring security they also discuss the common exploits and how spring security can defend against them how to easily test a spring security application and how to properly design your code about the instructor josh long is an open source contributor frequent worldwide conference speaker java champion author or co author of five books and a frequent video trainer with several best selling videos you can find him on twitter as starbuxman rob winch is the project lead for spring security spring session and spring ldap projects he is a committer on the core spring framework contributor to spring boot author and

international speaker in the past he has worked in the healthcare industry bioinformatics research high performance computing and as a web consultant when he is not sitting in front of a computer he enjoys playing the guitar you can find him on twitter as rob winch skill level beginner intermediate learn how to leverage both built in and custom authentication leverage both built in and custom authorization use spring security to defend against common exploits easily test a spring security application properly design your code who should take this course developers who know they need to address security upfront but struggle with how to do so developers who know they don t know enough about security and would happily embrace industry proven solutions to take the shortcut to production developers who want to level up their security practices and bring them to the modern age course requirements experience programming with java spring and spring boot previous application development experience about pearson video training pearson publishes expert led video tutorials covering a wide selection of technology topics designed to teach you the skills you need to succeed these professional and personal technology videos feature world leading author instructors published by your trusted technology brands addison wesley cisco press pearson it certification prentice hall sams and que topics include it certification network security cisco technology programming development mobile development and more learn more

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penetration testing to uncover common security vulnerabilities utilize existing corporate infrastructure such as ldap active directory kerberos openid and oauth integrate with popular frameworks such as spring spring boot spring data jquery and angularjs deep understanding of the security challenges with restful webservices and microservice architectures integrate spring with other security infrastructure components like ldap apache directory server and saml who this book is for this book is intended for java and or restful webservice developers and assumes a basic understanding of creating java 8 java and or restful webservice applications xml and the spring framework you are not expected to have any previous experience with spring security

design and develop spring applications that are secure right from the start in spring security in action second edition you will learn essential security skills including how to implement and customize authentication and authorization set up all components of an oauth 2 openid connect system utilize csrf and cors configurations secure spring reactive applications write tests for security configurations about the technology spring security is essential for any java developer looking to master authentication and authorization in spring apps by adopting secure by design principles with spring security s out of the box features you can protect your apps from data theft and unauthorized intrusions

this spring boot 3 0 crash course will teach you all you need to know to create powerful spring applications with the latest version of the framework you will be able to create any feature that an application may require because this book covers everything from the fundamentals to advanced features first things first get your development environment ready and build your very first spring boot app data access security configuration and testing are some of the more advanced subjects you'll cover as you go along this crash course will teach you how to create restful services use spring data jpa to integrate different types of data and work with properties and yaml files to oversee configurations you practice to manage application properties get into the application of annotations and master the spring mvc architecture it will teach you to manage form submissions validate user input and construct dynamic web pages using thymeleaf templates the book also covers topics like integrating front end frameworks handling errors and deploying applications to cloud platforms and kubernetes issues with configuring url authorization implementing jwt authentication and integrating with oauth2 and openid connect are some of the critical problems that are being solved in this book methods for troubleshooting auto configuration issues managing environment variables in docker and making use of performance testing tools such as jmeter are all topics that will be covered additionally the book delves into the topic of how to integrate with active directory and ldap for centralized user management and authentication by the time you finish this book you will know everything there is to know about spring boot application development security and deployment so you can confidently take on real world projects key learnings discover the ins and outs of efficiently configuring a spring boot

3 0 development environment integrate various data sources and construct strong restful services with the help of spring data jpa get to know spring boot s properties and yaml files to set up customizable apps use spring security and jwt tokens to implement secure authorization and authentication use thymeleaf templates to build interactive websites and easily handle form submissions use kubernetes and cloud platforms to effortlessly deploy spring boot applications make your apps more up to date and responsive by incorporating front end frameworks such as angular and react put thorough error handling strategies into your applications and handle errors gracefully use docker to manage environment variables and jmeter to optimize application performance table of content up and running with spring boot building first spring boot app configuration and properties spring boot packaging and deployment spring boot auto configuration data access with spring data jpa building applications testing spring boot applications security in spring boot

this comprehensive collection offers a compendium of research on the design implementation and evaluation of online learning technologies addressing the challenges and opportunities associated with the creation and management of based applications and communities instructional design personalized learning environments and effective educational delivery provided by publisher

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