Training: The Linux Foundation
LFW212 Node.js Services Development + JSNSD Exam Bundle

THE LINUX FOUNDATION AUTHORIZED TRAINING PARTNER

TRAINING GOALS:

This course provides a deep dive into Node core HTTP clients and servers, web servers, RESTful services and web security essentials. With a major focus on Node.js services and security this content is an essential counterpart to the Node.js Application Development (LFW211) course, and will prepare you for the OpenJS Node.js Services Developer (JSNSD) exam.

After completing this course, you will be able to build RESTful JSON services that are secure and straightforward to maintain. These skills will prepare you for some of the most common Node.js roles in the industry today. The course also prepares you to take the OpenJS Node.js Services Developer certification.

What You'll Learn

In this course, you will learn how to create web servers and leverage ecosystem frameworks for rapid composability. You will also learn how HTTP works at a Node core API level, what the essential RESTful practices are, and what is needed to implement RESTful services. Finally, you will develop skills needed for server and service composition.

Who Is It For

This course is designed for developers on their way to senior level who wish to master and demonstrate their Node.js knowledge and skills, in particular how to use Node with frameworks to rapidly and securely compose servers and services. Before enrolling, students should know how to use a command line terminal, and be familiar with JavaScript as well as knowledge domains of the OpenJS Node.js Application Developer (JSNAD) program.

CONSPECT:

- Course Introduction
- Setting Up
- Creating a Web Server
- Serving Web Content
- Creating RESTful JSON Services
- Manipulating Data with RESTful Services
- Consuming and Aggregating Services
- Proxying HTTP Requests

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- Web Security: Handling User Input
- Web Security: Mitigating Attacks

REQUIREMENTS:

Before taking this course, you should be familiar with:

- Command line terminal
- JavaScript
- Knowledge domains of JSNAD

Lab Info

Lab exercises in this course are designed to work either on native hardware, or using a virtual machine (VM), under a hypervisor, such as those in the KVM, VMWare, or Virtual Box families. Detailed instructions to set up your lab environment are provided in the course.

Difficulty level

CERTIFICATE:

The participants will obtain certificates signed by The Linux Foundation.

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