Training: The Linux Foundation
LFW211 Node.js Application Development + JSNAD Exam Bundle

THE LINUX FOUNDATION AUTHORIZED TRAINING PARTNER

TRAINING GOALS:

Improve your versatility in creating various types of Node.js applications. Covering a broad set of use cases and using Node.js core APIs with selected ecosystem libraries, this course fully prepares you for the Node.js Application Developer Certification.

JSNAD certification demonstrates the ability to perform tasks in real world-type environments, giving employers confidence that the certificant possesses a broad range of skills around JavaScript and related technologies. Passing a performance-based exam demonstrates the candidate's ability to perform challenging real world tasks under time constrains.

What You'll Learn

his course provides core skills for effectively harnessing a broad range of Node.js capabilities at depth, equipping you with rigorous skills and knowledge to build any kind of Node.js application or library. While by design the training content covers everything but HTTP and web frameworks, the crucial fundamentals presented prepares the student to work with web applications along with all types of Node.js applications. This includes command line tools, real-time applications, network applications, desktop applications, build tools and more.

Who Is It For

This course is for those starting out in web application development who want to gain more practical skills and improve their abilities. The course is also useful for web application developers preparing for the JSNAD certification exam. Only a basic knowledge of the command line is required.

CONSPECT:

- Course Introduction
- Setting Up
- The Node Binary
- Debugging & Diagnostics
- Key JavaScript Concepts
- Packages & Dependencies
- Node's Module System
- Asynchronous Control Flow
- Node's Event System

Compendium Centrum Edukacyjne Spółka z o.o.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70
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- Handling Errors
- Using Buffers
- Working with Streams
- Interacting with the File System
- Process & Operating System
- Creating Child Processes
- Writing Unit Tests

REQUIREMENTS:

Knowledge of how to use a command line terminal is required.

We recommend Introduction to Node.js (LFW111x), a free edX course, as a good start for your Node.js journey.

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.

If using a cloud provider like GCP or AWS, you should be able to complete the lab exercises using the free tier or credits provided to you. However, you may incur charges if you exceed the credits initially allocated by the cloud provider, or if the cloud provider's terms and conditions change.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by The Linux Foundation.

TRAINER:

Certified The Linux Foundation Trainer.

ADDITIONAL INFORMATION:

Course Includes

- Online Self-Paced

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- 16-20 hours of Course Material
- Hands-on Labs & Assignments1
- No Video Content
- 12 Months of Access to Online Course
- Digital Badge
- Discussion forums

Exam Includes

- Proctored Online Exam Delivery
- Exam Duration 2 Hours
- Certification Valid for 3 Years
- Version of Software NodeJS Version 16 LTS
- Includes 12 Month Exam Eligibility
- One Retake
- PDF Certificate and Digital Badge
- Performance-Based Exam

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