Node.js Software Development Training (3 Days)

Course Description

This Node.js Software Development Training class introduces Node.js as a platform. Node.js is an open-source framework that runs on various platforms, such as Windows, Linux, Unix, Mac OS X, etc. It is built on Chrome's JavaScript runtime for easily building fast and scalable network applications. Node.js uses JavaScript on the server. Node.js can be used to create console, desktop, web services, and web applications. Node.js provides a rich library of various JavaScript modules, which simplifies the development of web applications using Node.js to a great extent.

Prerequisites

Courses that can help you meet these prerequisites:

- Introduction to HTML Training
- Introduction to JavaScript Training
- Ajax Training

Skills Gained

- Learn what Node.js is and how its best used
- Install and configure Node.js using platform installation packages and source code
- Manage Node.js Packages with the Node Package Manager
- Use and create Node.js Modules
- Configure and secure a Web Application
- Utilize file and stream resources with Node.js
- Understand common Node.js programming patterns
- Explore performance issues with Node.js
- Troubleshoot Node.js problems

Course Content

- Introduction to Node.js
- Module and Dependency Management
- The File System Module
- Events in Node JS
- Asynchronous Programming with Callbacks
- Asynchronous Programming with Promises
- Build and Dependency Management
- Basic Web Application Development
- Debugging and Unit Testing
- Introduction to Express
- Express Middleware
- Accessing MongoDB from Node.js
- Jade Template Engine
- Clustering and Failover
- Microservices with Node.js
- Supertest, Spy, and Nock
- New Features in Node.JS Version 4, 6, and 8