



Development & Training Node JS Syllabus

Prerequisites

Basic JavaScript skills.

Web Development background

Topics

Asynchronous JavaScript Everywhere

Introduction - What is Node.js.

The importance of being asynchronous

Node.js Event loop

The Node.js process

File System

The FS Module.

Reading Directories

Reading Files

Streams

Building servers

Creating servers with HTTP

Receiving data

HTTP streaming

Working with TCP

Building APIs using modules, events and packages

CommonJS Modules

npm Packages

The EventEmitter API

ExpressJS

Introduction to ExpressJS

Routing

Configuration

Views

Middlewares

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Working With Data
Working With Socket.io
Processes & Clusters
Child Process Module
Why clusters
The cluster object
The worker object
Best Practices
NPM
Best Practices
Node.js API design
Error Handling
Debugging
Hosting Node
Why do we need hosts
Forever
PM2
Node on Windows
Node as a Windows Service
IISNode
Unit Testing

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