

JOIN ADVANCED NODE JS COURSE



Course: Adv. Certification in Node.js + Express.JS + MongoDB

Introduction

What is Node.js
What is NPM
Software Installation
Architecture of Node Server
Client-side JS Vs Server-side JS
MEAN Vs LAMP
Execute "Hello World" program using Node

Foundation

Global Objects
System Define Constants
Scopes in Java Script
Function
Regular function
Anonymous function
Function Expression
Hoisting
Import modules
Export modules
Arrow operator
User Inputs from terminal
Conditional statements
Event driven programming
Class & Object
Inheritance in JS
Array of object
Attaching custom events with objects

Asynchronous programming

Asynchronous basics
Callback functions
Callback hell
Promises
File I/O
Access System resources
Directories

Building a HTTP Server

The HTTP Protocol
Building an HTTP Server
Rendering a response
Processing query strings
Processing posted data

Buffer, Streams & Events

Using Buffers for Binary data
Flowing vs. non flowing streams
Streaming I/O from files & other sources
Processing streams asynchronously

Multi-Processing in Node.js

Working with Child Process API
Working with cluster API for multi-core servers

Express JS Framework

The model-view-controller pattern
Defining ejs/jade template
Configuring express
POSTMAN
Using REST
JSON Data
Reading POST Data
CRUD Operations
Adding Middleware

Express JS with Mongo /RDBMS

How node.js connects to database
RDBMS vs NOSQL
CRUD operations

Socket.io & a chat app

Getting started
Adding socket.io to your app
Exploring the front end
Sending Live data Back & Forth
Creating the Front End UI
Showing messages in App
Working with Time
Timestamps
Show message time in chat App
Chat application Project

Build Management

Grunt.js
Gulp.js

Unit Testing

Mocha
Chai.js

Highlights

This course Covers complete details of Node, Express with MongoDB

This course will also cover a projects.

This course will cover the concept of Unit testing and Build management.

Call: 1800 1020 418, 9582786406/07/08

