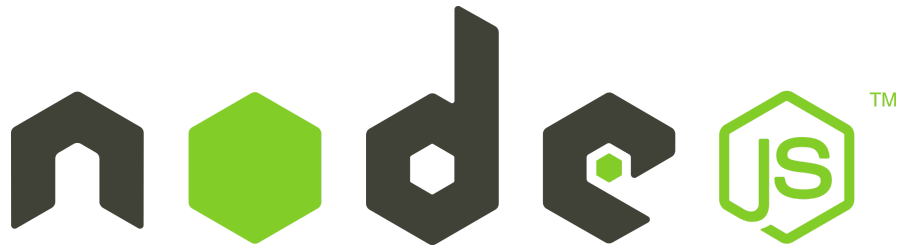


11.0 Introduction to Node.js



- Node.js is a platform built on Chrome's JavaScript runtime for easily building fast and scalable network applications.
- Node.js also provides a rich library of various JavaScript modules which simplifies the development of web applications using Node.js to a great extent.

Features of Node.js

- Following are some of the important features that make Node.js the first choice of software architects.
 - **Asynchronous and Event Driven** – All APIs of Node.js library are asynchronous, that is, non-blocking.
 - **Very Fast** – Being built on Google Chrome's V8 JavaScript Engine, Node.js library is very fast in code execution.
 - **Single Threaded but Highly Scalable** – Node.js uses a single threaded model with event looping.
 - **No Buffering** – Node.js applications never buffer any data.
 - **License** – Node.js is released under the MIT license.

Where to Use Node.js?

- Following are the areas where Node.js is proving itself as a perfect technology partner.
 - I/O bound Applications
 - Data Streaming Applications
 - Data Intensive Real-time Applications (DIRT)
 - JSON APIs based Applications
 - Single Page Applications

Additional Material

- **Learn more**
 - [Tutorialspoint](#)