

How Node Js Can Help You?



Follow: @Shubhamsharma585

WHAT IS NODE.JS ?

is an

- open source
- cross-platform runtime environment

for

developing server-side

networking applications



WHERE TO USE **NODE.JS** ?



Building server-side web applications



Real-time Applications



Network applications



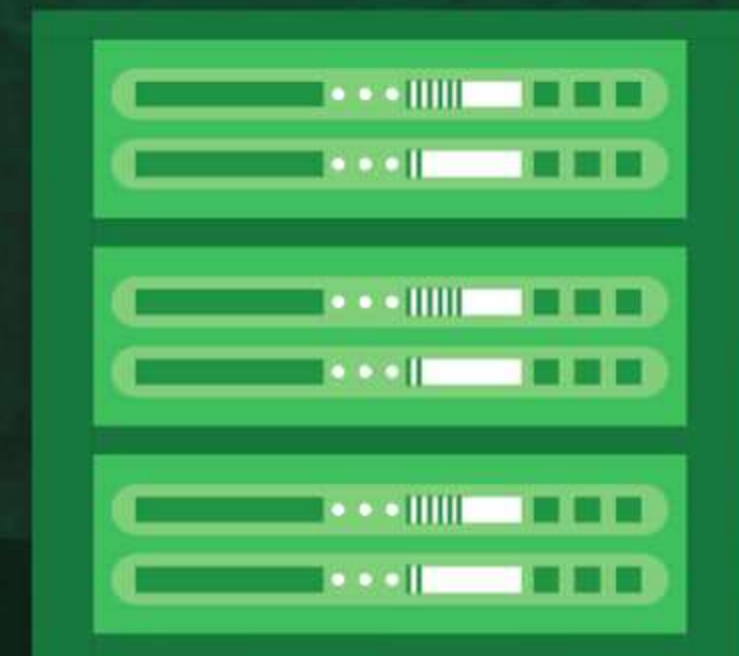
Command-line tools



Scripting



APIs



WHAT IS **NODE.JS** FEATURES ?



- Asynchronous and Event-Driven
- Fast
- Scalable
- Modular
- Cross-platform
- Large community
- Easy to learn



CHALLENGES WITH NODE.JS

- Extensive tech stack.
- Tech debt accumulation.
- Scalability problems.
- Event-driven.
- Non-blocking.
- Single-threaded.



simple example of Node.js code that creates a web server that will listen for requests on port 3000 and return a "Hello World!"

```
const http = require('http');

const hostname = '127.0.0.1';
const port = 3000;

const server = http.createServer((req, res) => {
  res.statusCode = 200;
  res.setHeader('Content-Type', 'text/plain');
  res.end('Hello World!');
});

server.listen(port, hostname, () => {
  console.log(`Server running at http://${hostname}:${port}/`);
});
```



Thank You



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