

SCND - Study Guide

The SCND covers just fundamentals of Node and so it should suffice to use any of the recent books that are available or even just online resources to prepare and be successful in passing this exam.

This guide elaborates the key concepts that will be covered by the exam and provides some online resources to learn or brush up on these topics.

Here are the core concepts that should be covered in the learning objectives for the exam.

1. [What is Node \(V8, libuv , javascript \)](#)
2. Node Modules & NPM
 - a. [package.json](#)
 - b. Understanding Modules [finding, installing, updating & publishing modules](#)
3. Node specifics
 - a. [Event Loop](#)
 - b. [Callbacks](#)
 - c. [Event Emitters](#)
 - d. [Streams](#)
 - e. [Buffers](#)
 - f. [JavaScript Closures](#)
4. Webservers ([Express](#), serve static and dynamic files)
5. [Processes](#)
6. Error handling: [domains, exceptions, error objects](#)
7. [Sockets](#) (what are websockets, messaging etc)
8. [Clustering and multi process](#).
9. Best strategies for [deploying to production](#) environment; good or bad ideas
10. Troubleshooting: [debugging](#), [leak tracking](#), using the [REPL](#)

More free online resources can be found [here](#).

Ready to take the exam ? Click [here](#) to register.