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**NodeJS Guidelines**

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# Introduction

Node.js is a platform built on Chrome’s JavaScript engine (i.e. v8 JavaScript Engine); it helps to develop fast, scalable network application. It is basically used in server side coding, handling AJAX requests, maintaining routes for different APIs and manipulating database. Node.js uses an event-driven, non blocking I/O model that makes it lightweight and efficient

# COnfiguration Guidelines FOr nodejs

* Following are the guidelines for developers:

1. You will need to install a Nodejs on your operating system .

# USer Guidelines FOr user for nodejs

* Following are the guidelines for Lead:

1. All statements (except for, function, if, switch, try, while) MUST be followed by a semi-colon (;)
2. Return values MUST start on the same line as the return keyword.
3. The code must not end with trailing whitespace
4. The code must not use tab characters.
5. Anonymous functions assigned to a variable MUST be followed by a semi-colon.

* Following are the guidelines for Developer:

1. START NEW PROJECTS WITH NPM INIT

npm includes an init command which walks you through the process of creating a package.json file. npm init is a convenient way to get your new Node app or module started on the right track.

2. DECLARE ALL DEPENDENCIES

It’s good to get in the habit of using --save (or --save-dev) every time you install a module that’s local to your project. These flags add the given module to your package.json’s dependencies (or devDependencies) list. For example:

$ npm install express --save

$ npm install jade --save-dev

3. SPECIFY A START SCRIPT

Setting a value for scripts.start in package.json allows you to start your app on the command line with npm start. This is a great convention to follow, as it allows any Node developer to clone your app and get it running easily.

Here’s an example start script:

“scripts” :{

“start” : ”index.js”

}

4. SPECIFY A TEST SCRIPT

Anyone should be able to run your app, they should also be able to test it. The scripts.test field in package.json is used to specify the script to run your test suite. If you’re using something like mocha to run tests, be sure to include it in devDependencies in package.json, and refer to the binary that’s local to your project, rather than the mocha you have installed globally:

For example :

“scripts” :{

“test” : ”mocha”

}