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| Useful Websites |  |
| NPM Homepage/Search | https://www.npmjs.com/ |
| NPM Documentation | https://docs.npmjs.com/ |

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| Useful Commands | |
| Version | npm –v |
| Update npm | npm i –g npm |
| Project quick-start | npm init -y |
| Docs | npm -h |
| Command Docs | Npm {command} -h |

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| Package Management | |
| Install Global Package | npm i –g {package} |
| List Outdate Globals | npm outdated -g |
| Delete Global | npm un –g {package} |
| Update Global | npm up -g |
| Install Dependency | npm i {packageNane} |
| Install Development Dep. | npm i –D {package} |
| Install Optional Dep. | npm i –O {package} |
| Install package version | npm i {package}@{version} |
| Search for a package | npm s {term} |

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| Project Functions | |
| Install Dep and Dev Dep | npm i |
| Install only Dep | npm i --production |

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| Running Package Scripts | |
| Run scripts.start | npm start |
| Run scripts.test | npm test |
| Run scripts.stop | npm stop |
| Run scripts.{myScript} | npm run {myScript} |

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| Useful Packages | |
| nodemon | Development file watching tool |
| express.js | Server routing |
| pm2 | Process Manager |
| socket.io | Socket functionality |
| gulp | Task Runner |
| webpack | Module Bundler |
| babel | ES Transpiler |
| mocha | Test Framework |
| passport | User Authentication |
| nodemailer | Email sending |
| karma | Test Runner |
| eslint | Code Quality |
| nsp | Node Security Platform |
| nequalize | SQL DB access |
| mongoose | Mongo Access |

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| Useful Websites | |
| Node.js Homepage/Download | https://nodejs.org/en/ |
| Node.js Documentation | https://nodejs.org/api/ |

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| Useful Commands | |
| Version | node -v |
| Node shell | node |
| Run a file | node {myFile}.js |

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| package.json Example |
| {  “name”:”npm\_node\_reference\_sheet”,  “version”:”1.0.0”,  “description”:NPM/Node cheat sheet”,  “main”:”index.js”,  “scripts”:{  “test”:”echo \”Unspecified\” && exit 1”  },  “keywords”:[”npm”,”node”,”cheat sheet”],  “author”:”Trace Sinclair”,  “license”:”MIT”  } |

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| package.json Attributes | |
| name | Unique name, no upper case |
| version | Semantic Version |
| description | Package description |
| keywords | Array of terms for search engines |
| homepage | The URL to the project homepage |
| bugs | The URL to the projects issue tracker |
| license | Licensing and restrictions |
| author | Name/email/URL of author |
| contributor | Array of contributors(Name/email/URL) |
| files | Array of file patterns for installing |
| main | The main entry point of the package |
| bin | Path to executables for PATH inclusion |
| man | Single or multiple Man pages |
| directories | Indicate the structure of your package |
| repository | Specify the place where your code lives |
| scripts | Dictionary of defined scripts to run |
| config | Set of parameters available in scripts |
| dependencies | Packages required for production and development use |
| devDependencies | Packages used during development  ie: compiling, testing, documentation |
| peerDependencies | Compatibility related packages/version, usually used for plugins |
| optionalDependencies | Optional dependencies, install will not fail if unable to download, and code should handle the missing package |
| engines | Specify the Node version compatibility |
| os | Specify OS compatibility |
| cpu | Specify CPU architecture compatibility |
| private | Flag to indicate if NPM can publish |
| publishConfig | Config overrides when publishing |