

NPM Commands - Basic to Advanced for DevOps

Basic NPM Commands

1. **Check NPM Version**

Command: npm -v

Description: Displays the installed version of npm.

2. **Initialize a New Node Project**

Command: npm init

Example: npm init -y

3. **Install a Package Locally**

Command: npm install <package-name>

Example: npm install express

4. **Install a Package Globally**

Command: npm install -g <package-name>

Example: npm install -g nodemon

5. **Update a Package**

Command: npm update <package-name>

Example: npm update express

6. ****Remove a Package****

Command: npm uninstall <package-name>

Example: npm uninstall express

7. ****List Installed Packages****

Command: npm list

8. ****List Globally Installed Packages****

Command: npm list -g --depth=0

Intermediate NPM Commands

9. ****Install Dev Dependencies****

Command: npm install <package-name> --save-dev

Example: npm install mocha --save-dev

10. ****Install All Dependencies****

Command: npm install

11. ****Run Scripts****

Command: npm run <script-name>

Example: npm run start

12. **Audit Dependencies for Vulnerabilities**

Command: npm audit

13. **Fix Vulnerabilities Automatically**

Command: npm audit fix

14. **Clear Cache**

Command: npm cache clean --force

15. **Check Outdated Packages**

Command: npm outdated

Advanced NPM Commands

16. **Publish a Package to NPM Registry**

Command: npm publish

Example: npm publish --access public

17. **Link a Local Package Globally**

Command: npm link

18. **Install Specific Version of a Package**

Command: npm install <package-name>@<version>

Example: npm install express@4.17.1

19. **Run NPM in CI/CD Mode**

Command: npm ci

20. **Generate a Package Lock File**

Command: npm shrinkwrap

21. **Tag a Version Before Publishing**

Command: npm version <major|minor|patch>

Example: npm version patch

22. **Run NPM Commands Offline**

Command: npm install <package-name> --offline

23. **Set Configuration Values**

Command: npm config set <key> <value>

Example: npm config set registry https://your-custom-registry.com

24. **Check Current Configuration Values**

Command: npm config list

25. **Unpublish a Package from NPM Registry**

Command: npm unpublish <package-name> --force

Example: npm unpublish my-package --force

Conclusion:

These NPM commands cover essential tasks for DevOps workflows, such as managing dependencies, running scripts, auditing vulnerabilities, and publishing packages.