NAME

npm-ci − Install a project with a clean slate

Synopsis

```
npm ci
```

Description

This command is similar to npm help **install**, except it's meant to be used in automated environments such as test platforms, continuous integration, and deployment −− or any situation where you want to make sure you're doing a clean install of your dependencies.

npm ci will be significantly faster when:

- There is a **package−lock.json** or **npm−shrinkwrap.json** file.
- The **node_modules** folder is missing or empty.

In short, the main differences between using **npm install** and **npm ci** are:

- The project **must** have an existing **package−lock.json** or **npm−shrinkwrap.json**.
- If dependencies in the package lock do not match those in **package.json**, **npm ci** will exit with an error, instead of updating the package lock.
- **npm ci** can only install entire projects at a time: individual dependencies cannot be added with this command.
- If a **node_modules** is already present, it will be automatically removed before **npm ci** begins its install.
- It will never write to **package.json** or any of the package−locks: installs are essentially frozen.

Example

Make sure you have a package−lock and an up−to−date install:

```
$ cd ./my/npm/project
$ npm install
added 154 packages in 10s
$ ls | grep package−lock
```

Run **npm ci** in that project

```
$ npm ci
added 154 packages in 5s
```

Configure Travis to build using **npm ci** instead of **npm install**:

```
# .travis.yml
install:
− npm ci
# keep the npm cache around to speed up installs
cache:
  directories:
  − "$HOME/.npm"
```

Configuration

<!−− AUTOGENERATED CONFIG DESCRIPTIONS START −−> <!−− automatically generated, do not edit manually −−> <!−− see lib/utils/config/definitions.js −−>

audit

- Default: true
- Type: Boolean

When "true" submit audit reports alongside the current npm command to the default registry and all registries configured for scopes. See the documentation for npm help **audit** for details on what is submitted. <!−− automatically generated, do not edit manually −−> <!−− see lib/utils/config/definitions.js −−>

ignore−scripts

- Default: false
- Type: Boolean

If true, npm does not run scripts specified in package.json files.

Note that commands explicitly intended to run a particular script, such as **npm start**, **npm stop**, **npm restart**, **npm test**, and **npm run−script** will still run their intended script if **ignore−scripts** is set, but they will *not* run any pre− or post−scripts. <!−− automatically generated, do not edit manually −−> <!−− see lib/utils/config/definitions.js −−>

script−shell

- Default: '/bin/sh' on POSIX systems, 'cmd.exe' on Windows
- Type: null or String

The shell to use for scripts run with the **npm exec**, **npm run** and **npm init <pkg>** commands. <!−− automatically generated, do not edit manually −−> <!−− see lib/utils/config/definitions.js −−>

<!−− AUTOGENERATED CONFIG DESCRIPTIONS END −−>

See Also

- npm help install
- npm help package−lock.json