fnm Fast Node manager

CONCEPTS

fnm is a single binary, not a shell function. It only works after your shell profile evals `fnm env`, which gives each shell its own PATH entry.

.node-version version in project
↓ cd (use-on-cd)
fnm env hook in your shell profile
↓ fnm use
Shell PATH per-shell symlink
↓ points to
Node version in ~/.local/share/fnm

fnm reads .node-version and .nvmrc. Without --use-on-cd nothing switches by itself when you change directory.

INSTALL FNM

curl -fsSL https://fnm.vercel.app/install | bash
Install with the script

brew install fnm
Install with Homebrew

fnm --version
Show the fnm version

fnm completions --shell *<shell>*
Print completions (bash, zsh, fish, powershell)

SHELL SETUP

eval "$(fnm env --use-on-cd --shell bash)"
Bash profile line (~/.bashrc)

eval "$(fnm env --use-on-cd --shell zsh)"
Zsh profile line (~/.zshrc)

fnm env --use-on-cd --shell fish | source
Fish: conf.d/fnm.fish

fnm env --version-file-strategy recursive
Look for version files in parent dirs

INSTALL AND UNINSTALL

fnm install *<version>*
Install a version (partial semver is fine)

fnm install --lts
Install the newest LTS

fnm install --latest
Install the newest release

fnm install
Install the version from .node-version

fnm uninstall *<version>*
Remove an installed version

USE AND INSPECT

fnm use *<version>*
Use a version in this shell

fnm use
Use the version from .node-version

fnm use --install-if-missing
Use it, installing first if needed

fnm current
Show the active version

fnm list
List installed versions and aliases

fnm list-remote
List all installable versions

fnm list-remote --lts
List LTS versions only

ALIASES AND DEFAULTS

fnm default *<version>*
Set the version new shells start with

fnm alias *<version>* *<name>*
Name a version

RUN WITHOUT SWITCHING

fnm exec --using *<version>* *<command>*
Run a command under that version

VERSION FILES AND CONFIG

node --version > .node-version
Pin the project to the running version

Version file contents

Value	Meaning
`22`	Any 22.x
`22.11.0`	That exact release
`v22.11.0`	Same, with a v prefix
`lts/*`	Newest LTS
`lts/iron`	A named LTS line

fnm checks .node-version first, then .nvmrc; package.json engines.node is a fallback only with --resolve-engines.

TROUBLESHOOTING

node not found after fnm install: you skipped the eval line, or fnm default is unset. Run fnm default <version> and open a new shell.

RECIPES

Set up a machine

```
curl -fsSL https://fnm.vercel.app/install | bash
# open a new terminal, then
fnm install --lts
fnm default <version>
node --version
```

Pin a project

```
cd myapp
node --version > .node-version
git add .node-version
# teammates run
fnm use --install-if-missing
```

Auto-switch on cd

```
# in ~/.bashrc
eval "$(fnm env --use-on-cd --version-file-strategy recursive --shell bash)"
# then cd into any project with a version file
```

Test on several versions

```
for v in 20 22 24; do
  fnm exec --using $v npm test
done
```