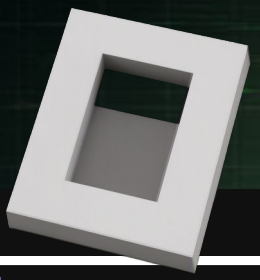
opencode

OPEN SOURCE CLI AI CODING AGENT



Created by @Manz (https://ai.manz.dev/) Agentic Artificial Intelligence

I Installation

INSTALL

```
curl -fsSL opencode.ai/v2/install | bash
pnpm add -g @opencode/cli
npm install -g @opencode/cli
bun install -g --trust @opencode/cli
brew install anomalyco/tap/opencode-v2
```

UPDATE

- `upgrade` to latest version — alias: update
  - `--method` `curl` `pnpm` `bun` `npm` `brew` `yarn`
- `uninstall` opencode (keep data/config/state)
  - `--dry-run` preview before removing
  - `--force` skip confirmations

R Run (CLI)

RUN

- `opencode` open interactive TUI agent
  - `[dir]` start in another project dir
  - `--standalone` open as private server
  - `--server` `<url>` connect to server
  - `--auto` auto-approve all permissions → danger!
  - `--continue` resume last session
  - `--session` `<id>` resume specific session

HEADLESS

- `run "prompt"` no UI, print reply
  - `--model` `name` provider/model#variant
  - `--agent` `build/plan` use a specific agent
  - `--file` `filename` attach files
  - `--format` `default/json` text or JSON for scripts
  - `--thinking` show thinking/reasoning blocks

MINI

- `mini` minimalistic interface
  - `--prompt` `"..."` initial prompt

I Models & Auth providers

MODELS

- `models` show all available models
- `models | grep -i free` show free tier models
- `models | grep -i nan/` filter models by provider

AUTH

- `auth login` log in provider
  - `--server` `<url>` set server URL endpoint
  - `--method` `<id>` set auth method id
- `auth list` list integrations & credentials
  - `--format` `default/json`
- `auth logout` log out provider
- `auth export` show auth api keys
- `auth import` load json export with api keys

G Main flags

GLOBAL

- `--version` show current version
- `--help` show help information
- `--wizard` show assistant mode
- `--completions` `bash` `zsh` `fish` `sh`
- `--print-logs` show logs → require `--standalone`

S Sessions

SESSION

- `session list` list prev sessions
  - `--max-count` `num` limit to N recent
  - `--format` `table/json`
- `session delete` `<id>` ses_####
- `session export` `<id>` export to JSON
  - `--sanitize` redact sensitive data
- `session import` `file.json`

STATS

- `stats` usage and cost report
  - `--days` `7` last N days usage
  - `--year` `2026` show this year usage
  - `--models` model usage
  - `--cost` cost & tokens usage
  - `--tools` show tools usage
  - `--json` raw JSON

S Server

SERVER

- `serve` start api + opencode server
  - `--hostname` `<host>` bind address
  - `--port` `<port>` bind port
  - `--cors` `<origin url>` enable CORS
- `pair` show one-time link or QR
  - `--url` `<url>` use in pairing links
  - `--remote` expose via OpenTunnel
  - `--yes` accept without confirm
- `reload` reload opencode configuration

BACKGROUND SERVICE

SERVICE

- `service start` start background server
- `service restart` restart service
- `service status` show status
- `service stop` stop service
- `service get/set` get/set service config
- `service unset` remove service config

CUSTOM PROGRAMMATIC API

API

- `api` GET /api/session
  - `--header` `name:value` HTTP header
  - `--data` `{...}` JSON body
  - `--param` `key=value` OpenAPI data

M MCP

MCP

- `mcp list` list mcp servers
- `mcp add` `<name>` `<cmd>` add mcp
  - `--url` `<url>` remote MCP server URL
  - `--header` `key=value` set header
  - `--env` `key=value` set env var
  - `--global` set as global config
- `mcp auth` `name` oauth mcp server
- `mcp logout` `name` disable oauth mcp

P Plugin

PLUGINS

- `plugin list` list plugins
  - `--builtin` view core plugins
- `plugin add` `@scope/pkg`
- `plugin check` view updates
- `plugin update` upgrade
- `plugin remove` `@scope/pkg`

K Prompt Keybindings

NAV

- `^P` command palette
- `^O` recent sessions & projects
- `^Tab` next session tab
- `^⇧Tab` previous tab
- `^⇧T` reopen closed tab
- `⇧Tab` cycle agent
- `F2` cycle recent model
- `^K / ^U` del to end / start

SESSION

- `Esc` interrupt
- `^B` background tool
- `^R` rename session
- `^D` delete session
- `^F` pin in list
- `^Alt+K` which-key panel
- `PgUp/PgDn` scroll messages
- `Home/End` first / last msg

KEY BINDINGS (CTRL+X + KEY)

- `^X` + `M` view models
- `^X` + `A` view agents
- `^X` + `N` new session
- `^X` + `L` view session list
- `^X` + `W` close tab
- `^X` + `C` compact context
- `^X` + `U` undo last prompt
- `^X` + `R` redo last undo
- `^X` + `E` open prompt in $EDITOR
- `^X` + `B` show/hide sidebar
- `^X` + `T` show/hide terminal
- `^X` + `S` view status
- `^X` + `Y` copy message
- `^X` + `G` show timeline
- `^X` + `Q` view queued prompts
- `^X` + `1-9` switch session tabs

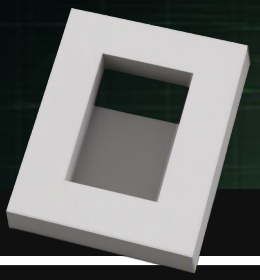
D Debug

DEBUG

- `agents` show agents config
- `paths` show paths config
- `config` show main data
- `acp` editor integrations

opencode

SLASH COMMANDS AND CONFIGURATION



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/ Slash Commands

MAIN
- `/agents` switch agent
- `/init` AGENTS.md wizard
- `/mcps` MCP servers menu
- `/plugins` plugins menu
- `/review` review changes
- `/skills` skills menu
- `/stats` show tokens usage
- `/status` view status
- `/settings` settings menu
- `/terminal` open terminal
- `/themes` themes menu

MODEL
- `/connect` log in to a provider
- `/models` set model
- `/variants` `/effort` `/thinking`

FILES
- `/cd` change folder
- `/diff` view changes
- `/worktrees` manage trees

MSGS
- `/copy` copy last message
- `/timeline` jump to prompt

SESSIONS
- `/sessions` `/continue` `/resume`
- `/export` export session history
- `/fork` duplicate session
- `/new` new session `/clear`
- `/rename` rename session
- `/open` all sessions `/projects`

HISTORY
- `/undo` revert last prompt
- `/redo` restore reverted work
- `/compact` compact context
- `/btw` side question (w/o ctx)

OTHERS
- `/highlights` new features
- `/help` show help
- `/pair` pair device (QR) `/web`
- `/update` update opencode
- `/debug` view data
- `/reload` reload config
- `/restart` restart service
- `/editor` edit in $EDITOR
- `/exit` quit app `/quit` `/q`

DIFF VIEWER

D	review scope	S	single patch
P	prev file	[	prev hunk
N	next file	]	next hunk
M	mark review	V	split/unified
B	file tree	gg	start
K	up diff	G	end
J	down diff	?	help

C Configuration

FILES
- → `./` `opencode.jsonc` root project config
- ↳ `./.opencode/` ↑ overrides config
- ↳ `~/.config/opencode/` ↑ global config
- ↳ `%ProgramData%\opencode\` ↑ WINDOWS
- ↳ `/Library/Application Support/opencode` ↑
- `cli.json` CLI/TUI global config

A Agents

CONFIG
- `<name>.md` custom agent config
- ↳ `./.opencode/agents/` ↑ overrides
- ↳ `~/.config/opencode/agents/` ↑ global

CORE
- `build` primary coding agent
- `plan` primary, no edits

YAML
- `mode` `primary` `subagent` `all`
- `model` `provider/model#variant`
- `permissions` deny/allow features
- `hidden` hide agent from TUI
- `color` set agent color in TUI
- `steps` max steps of agent
- `system` markdown system rules `~ .md body`

USE
- `⇧Tab` cycle agent
- `default_agent` JSON default agent name

S Skills

CONFIG
- `<name>/SKILL.md` custom skill config
- `<name>/scripts/*` optional scripts
- `<name>/references/*` optional documents
- `<name>/templates/*` optional templates
- ↳ `./.opencode/skills/` ↑ per project
- ↳ `~/.config/opencode/skills/` ↑ global

YAML
- `name` set skill name
- `description` summary (skill metadata)
- `disable-model-invocation` `true` hide skill

C Custom Commands

CONFIG
- `<name>.md` custom agent config → `/name`
- ↳ `./.opencode/commands/` ↑ per project
- ↳ `~/.config/opencode/commands/` ↑ glob

YAML
- `description` help text from command list
- `agent` agent selected when command runs
- `model` set provider/model/variant to run
- `subagent` `true` runs in background session
- `template` In .json, prompt `~ .md body`

ARGS
- `$ARGUMENTS` all argument string
- `$1 $2` positional arguments ("quoted")
- `!`git diff`` insert shell output
- `(no placeholder)` args appended at end

T Tools

FILES
- `read` access to files / dir listing
- `glob` find by wildcard patterns
- `grep` search with regexp pattern
- `edit` replace exact text
- `write` create / write full file
- `patch` multi-file patch fragments

CLI
- `shell` execute command & arguments
- `execute` run js in code mode (parallel)

NET
- `webfetch` request URL → markdown
- `websearch` web search engine query

OTHERS
- `question` ask the user for details
- `skill` load skill knowledge on-demand
- `subagent` run task in a child session

P Permissions

JSON
- `$schema` https://opencode.ai/config.json
- `permissions` permission list (objs array)
  - `{ action, resource, effect }`

ACTION
- `action` tool permission action
  - `tool` specific tool permission ↑
  - `external_directory` freq ends `/*`
  - `<server>_<tool>` MCP tools
  - `opencode_list_mcp_resources` ~MCP
  - `opencode_read_mcp_resource` ~MCP

RESOURCE
- `resource` set specific resource
  - `path` relative or absolute path
  - `cmd` command (and arguments)
  - `url` entire or wildcards url
  - `id` mcp name, search queries...
  - `*` all resources

EFFECT
- `effect` `allow` `ask` `deny`
- `(no match)` → ask the user
- `ask` → ask the user
  - `once` only this request
  - `always` save project rule
  - `reject` block request in that session

T TUI Prompt Composer

CONTEXT
- `@` attach file (search) / agent name
  - `@src/x.ts#20-45` line range
- `!` shell mode: !git status
- `/` list slash commands

CONTROL
- `Enter` submit / steer session
- `^X` + `Enter` queue prompt
- `^J/^Enter` new line
- `Esc` interrupt / leave shell
- `^C` exit opencode