zoxide Smarter cd

START HERE

`z <dir>`
Jump to best match

`z ..`
Up one level

`z <a> <b>`
Match several words

`zoxide query -l`
List ranked dirs

`zi <dir>`
Pick from a list

`zoxide remove <path>`
Forget a directory

`z -`
Previous directory

`eval "$(zoxide init bash)"`
Enable in bash

cd you change directory → **hook adds** → **Database** paths with scores → **keywords match** → **Ranking** frequency + recency → **best or pick** → **z / zi** jump there

CONCEPTS

zoxide learns the directories you cd into and ranks them by frequency and recency. Visit a directory once, then jump back with a few letters.

Only directories you have already visited are known. z does nothing useful for a path zoxide has never seen.

SETUP

`eval "$(zoxide init bash)"`
Enable in ~/.bashrc

`eval "$(zoxide init zsh)"`
Enable in ~/.zshrc, after compinit

`zoxide init fish | source`
Enable in config.fish

`zoxide init posix --hook prompt`
Generic POSIX shell setup

`zoxide init <shell> --cmd <name>`
Rename z and zi, e.g. j and ji

`zoxide init <shell> --cmd cd`
Replace cd itself

`zoxide init <shell> --no-cmd`
Define no z or zi

The functions stay available as __zoxide_z and __zoxide_zi, so you can bind them yourself.

`zoxide init <shell> --hook <hook>`
When to count a visit: none, prompt, pwd

pwd (default) counts when the directory changes; prompt counts at every prompt; none never counts.

Put the init line at the end of the shell config so other prompt hooks do not override it.

JUMPING

`z <keyword>`
Jump to the best matching directory

`z <kw1> <kw2>`
Match directories containing all words

Words must appear in the path in this order; the last one must match the final path component.

`z <kw> /`
Jump to a subdirectory starting with kw

`z <path>`
Plain cd for an existing path

`z -`
Back to the previous directory

`z ..`
Up one directory

`zi <keyword>`
Choose among matches with fzf

`z <keyword> <Space><Tab>`
Show interactive completions

Works in bash 4.4+, fish and zsh; needs fzf.

Matching is case-insensitive and keywords can sit anywhere in the path, so z proj api often reaches ~/work/projects/api.

QUERY

`zoxide query <keyword>`
Print the best match without jumping

`zoxide query -l`
List all directories, best first

`zoxide query -l <keyword>`
List every match for a keyword

`zoxide query -ls`
List with scores

`zoxide query -i <keyword>`
Pick interactively with fzf

`zoxide query --exclude <path> <kw>`
Leave one path out of the results

QUERY (cont.)

`zoxide query --all <keyword>`
Include directories that no longer exist

DATABASE

`zoxide add <path>`
Add or bump a directory by hand

`zoxide remove <path>`
Delete a directory from the database

`zoxide import --from z <file>`
Import a z, fasd, z.lua or zsh-z database

`zoxide import --from autojump <file>`
Import autojump paths (no scores)

`zoxide import --from z --merge <file>`
Merge into a non-empty database

Without --merge the import fails if the database already has entries.

`zoxide --version`
Show the installed version

Stale or wrong entries rank high? Remove them with zoxide remove. Deleted directories fall out of results on their own.

ENVIRONMENT VARIABLES

`_ZO_DATA_DIR`
Where the database lives

`_ZO_ECHO=1`
Print the target before jumping

`_ZO_EXCLUDE_DIRS`
Globs never to record, : separated

Default is $HOME, so your home directory itself is never added.

`_ZO_FZF_OPTS`
Extra options for fzf in zi

ENVIRONMENT VARIABLES (cont.)

`_ZO_MAXAGE`
Entry cap that triggers aging, default 10000

`_ZO_RESOLVE_SYMLINKS=1`
Store real paths instead of symlinks

Export these before the zoxide init line, because they are read at startup.

WITH OTHER TOOLS

`zi`
Interactive jump, needs fzf 0.51+

`export _ZO_FZF_OPTS="--height 40% --reverse"`
Compact fzf popup for zi

`cd "$(zoxide query <kw>)"`
Use the result in any script

`ls $(zoxide query <kw>)`
Inspect a directory without leaving

`zoxide query -l | fzf`
Browse all known directories

RECIPES

Use j and ji instead of z and zi

```
# in ~/.bashrc
eval "$(zoxide init bash --cmd j)"
j proj
ji proj
```

Make zoxide the default cd

```
eval "$(zoxide init zsh --cmd cd)"
cd work
cd -
```

Move from autojump

```
zoxide import --from autojump ~/.local/share/autojump/autojump.txt
zoxide query -l | head
```

Keep scratch dirs out of the database

```
export _ZO_EXCLUDE_DIRS="$HOME:/tmp/*"
export _ZO_FZF_OPTS="--height 40% --reverse"
eval "$(zoxide init bash)"
```