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)"
```