1Password CLI

Secrets from the shell

CONCEPTS

Keep secrets out of files: store op:// references instead, and let op run or op inject resolve them at the last moment.

Reference op://vault/item/field
↓ op run / inject
1Password CLI signed-in account
↓ resolves
Secret value env var or file

With the desktop app integration on (Settings > Developer), op unlocks via Touch ID or system auth and needs no manual signin.

Use --account <shorthand> or OP_ACCOUNT when you have several accounts; use --format json to script output.

SIGN IN

op signin
Sign in (prompts only if needed)

eval $(op signin --account *<shorthand>***)**
Sign in, set session in this shell

op whoami
Show the signed-in account

op account list
List configured accounts

op account add --address *<host>*
Add an account

VAULTS

op vault list
List readable vaults

op vault get *<vault>*
Show a vault

op vault create *<name>*
Create a vault

ITEMS

op item list
List items

op item list --vault *<vault>*
List items in one vault

ITEMS (cont.)

op item list --categories Login
Filter by category

op item list --tags *<tag>*
Filter by tag

op item get *<item>*
Show item details

op item get *<item>* **--fields label=password**
Print one field

op item get *<item>* **--otp**
Current one-time password

op item get *<item>* **--format json**
Full item as JSON

op item create --category login --title *<title>*
Create a login item

op item create ... --generate-password=20,letters,digits
Create with a generated password

op item create ... *<field>*=*<value>*
Set a field on create

op item create --template *<file.json>*
Create from a JSON template

op item edit *<item>* *<field>*=*<value>*
Change a field

op item edit *<item>* **--generate-password**
Regenerate the password

op item delete *<item>*
Delete an item

op item delete *<item>* **--archive**
Archive instead of delete

op item move *<item>* **--current-vault** *<a>* **--destination-vault** *<b>*
Move to another vault

SECRET REFERENCES

op read op://*<vault>*/*<item>*/*<field>*
Print a secret

SECRET REFERENCES (cont.)

op read op://*<vault>*/*<item>*/*<section>*/*<field>*
Read a field in a section

op read "op://*<vault>*/*<item>*/**one-time password?attribute=otp"**
Read the current OTP

op read "op://*<vault>*/*<item>*/**private key?ssh-format=openssh"**
SSH key in OpenSSH format

op read -o *<file>* **op://***<vault>*/*<item>*/*<field>*
Write a secret to a file

References use names or IDs. Quote them if a name contains spaces.

RUN AND INJECT

op run -- *<cmd>*
Run with env var references resolved

op run --env-file=*<file>* **--** *<cmd>*
Resolve references from a .env file

op run --no-masking -- *<cmd>*
Show secrets in command output

op inject -i *<tpl>* **-o** *<out>*
Fill a template into a file

cat *<tpl>* **| op inject**
Fill a template from stdin

Templates use {{ op://vault/item/field }}. Env vars inside references, like op://$APP_ENV/db/password, switch vaults per environment.

DOCUMENTS

op document list
List documents

op document create *<file>* **--title** *<title>*
Upload a file

op document get *<doc>* **-o** *<file>*
Download a document