

ZSH Configuration Cheat Sheet

Homebrew & Package Management

```
brews          # List installed packages
brewu          # Update and upgrade packages
brewc          # Clean up old versions
brewd          # Run brew doctor
```

Python & UV

```
py script.py   # Run Python script
pip install package # Install Python package
venv myenv     # Create virtual environment
activate       # Activate venv or .venv
uv run script.py # Run with UV
uvi myproject  # Initialize UV project
uvs           # Sync dependencies
uva requests   # Add package with UV
```

Go Development

```
gob          # go build
gor main.go  # go run
got          # go test
gotv         # go test -v
gom tidy     # go mod tidy
goi          # go install
```

Node.js & Package Managers

```
npmi          # npm install
npms          # npm start
npmr dev      # npm run dev
yi            # yarn install
ys            # yarn start
pni           # pnpm install
pns           # pnpm start
```

Docker

```
d ps          # docker ps
di            # docker images
drmf container_id # Force remove container
dspf          # Force system prune
dc up -d      # docker compose up detached
dcd          # docker compose down
dcl service_name # docker compose logs
dce service_name bash # docker compose exec
```

Kubernetes

```
k get pods    # kubectl get pods
kgp           # kubectl get pods
kg svc        # kubectl get services
ka deployment.yaml # kubectl apply
kl pod_name   # kubectl logs
kei pod_name bash # kubectl exec interactive
kshell pod_name # Custom shell function
kctx          # List/switch contexts
```

Google Cloud

```
gc compute instances list # gcloud compute instances list
gcl                     # gcloud compute instances list
gcs instance_name        # gcloud compute ssh
gcp-project my-project   # Switch GCP project
gcp-auth                 # Authenticate with GCloud
gsutil ls gs://bucket    # List GCS bucket
```

AWS

```
aws-profile prod # Switch AWS profile
aws-whoami       # Get caller identity
ec2 describe-instances # AWS EC2 command
s3 ls            # AWS S3 list
```

Terraform

```
tf init # terraform init
tfp     # terraform plan
tfa     # terraform apply
tfd     # terraform destroy
tff     # terraform fmt
```

Git (Enhanced)

```
g status # git status
ga .     # git add .
gcm "message" # git commit -m
gp       # git push
gpl      # git pull
gd       # git diff
gl       # git log --oneline --graph
gb       # git branch
gco branch_name # git checkout
gcb feature_branch # git checkout -b
gst       # git stash
git-clean-branches # Clean merged branches
git-recent-branches # Show recent branches
qcommit "msg" # Quick add, commit, push
```

Editors

```
v file.txt # nvim (alias)
vim file.txt # nvim (alias)
c .         # code . (VSCode)
nvim-config # Edit nvim config
nvim-update # Update nvim plugins
zshrc       # Edit .zshrc in nvim
```

File Operations & Navigation

```
ll          # Long list with icons
la          # List all with icons
lt          # Tree view
..          # cd ..
...         # cd ../..
~           # cd ~
-           # cd to previous dir
mkcd newdir # mkdir and cd
cx script.sh # chmod +x
755 file    # chmod 755
backup file.txt # Create timestamped backup
```

Search & Find

```
smartfind query # Smart file search
findreplace old new # Find and replace in files
grep -r "text" . # ripgrep search
find . -name "*.js" # fd search (if available)
fzf-cd            # Fuzzy find directory
vf               # Fuzzy find and edit file
gbf              # Fuzzy find git branch
```

Network & System

```
ip          # Get public IP
localip     # Get local IP
ports       # List open ports
nettest     # Test network connectivity
speedtest   # Internet speed test
port 3000   # Check/kill process on port
battery     # Battery status
resources   # System resource monitor
```

System Information

```
cpu         # Top processes by CPU
mem         # Top processes by memory
df          # Disk space
usage /path # Disk usage analyzer
sysinfo     # System information
cleanup     # Clean system caches
```

Archives

```
extract file.tar.gz # Extract any archive format
mktar folder       # Create tar.gz
mkzip folder       # Create zip
```

Utility Functions

```
copy-file config.json # Copy file to clipboard
paste-file output.txt # Paste clipboard to file
qr "Hello World"       # Generate QR code
weather                # Current weather
```

Time & Productivity

```
now                # Current timestamp
timestamp          # Unix timestamp
stopwatch          # Simple stopwatch
pomodoro 25        # 25-minute focus timer
focus on          # Block distracting sites
focus off         # Unblock sites
weather            # Current weather
weather london     # Weather for city
```

Text & Data

```
json-format        # Format JSON with jq
count file.txt     # Line count (wc -l)
urlencode "text"   # URL encode
urldecode "%20"    # URL decode
genpass 16         # Generate password
uuid              # Generate UUID
clip              # Copy to clipboard (pbcopy)
paste             # Paste from clipboard
pwd-copy          # Copy current path
```

Development Servers

```
serve              # Python HTTP server :8000
serve-php          # PHP server :8000
devserver 3000     # Live reload server
```

Notes & Documentation

```
note "meeting notes" # Quick note taking
note                 # Open today's notes
cheat git            # Command cheatsheet
man ls               # Enhanced man pages
```

Project Management

```
newproject myapp python # Create Python project
newproject webapp web    # Create web project
dev                      # cd ~/Developer
code                     # cd ~/code
dotfiles                 # cd ~/code/dotfiles
```

Cleanup & Maintenance

```
docker-clean        # Clean Docker resources
docker-nuke         # Remove ALL Docker data
docker-monitor      # Monitor container stats
finddups /path       # Find duplicate files
reload              # Reload .zshrc
```

macOS Specific

```
showfiles          # Show hidden files in Finder
hidefiles          # Hide hidden files in Finder
sleep              # Put Mac to sleep immediately
```

SSH & Remote

```
ssh-add-keys        # Add SSH keys to agent
ssh-copy-key        # Copy SSH key to clipboard
ssh-tunnel 8080 localhost 80 server # SSH tunnel
```

Monitoring Functions

```
docker-monitor      # Container resource usage
git-stats           # Repository statistics
git-add-interactive # Interactive git add with fzf
```