```
************************
* zsh Command List    *
* created 2025.12.30  *
* modified 2025.12.30 *
************************
```

Useful System Commands
```
sw_vers                  --> Displays MacOS version/build
chmod +x file.command    --> Makes script executable
```

Directory Navigation/Manipulation
```
ls -a                    --> List all including hidden
ls -l                    --> List long info
ls > ~/file.txt          --> Prints output to ~/Directory/file.txt
```

Homebrew Commands
```
brew list                --> List all installed formulae and casks
brew home                --> Opens formula/cask homepage in browser
(git)
brew info                --> Display brief statistics of Homebrew
installation
brew update              --> Fetch newest version of Homebrew and all
formulae
brew upgrade             --> Upgrade outdated casks and formulae
```

Homebrew Installed Programs
```
btop                     -- System Resource Monitor
dungeon                  -- Adventures in the Dungeons of Doom
                               version created 2-Dec-15
gcc                      -- GNU Compiler Collection  version 17.0.0
                               C, C++, Objective-C, Fortran, Ada, Go,
Modula-2, COBOL
gettext                  -- GNU Translation Project tools
gmp                      -- GNU multiple precision arithmetic library
```

```
version 6.3.0
htop                    -- System Resource Monitor and interactive
process viewer
isl                     -- Integer Set library
libaacs                 -- VideoLAN Library Advanced Access Content
System Version 0.11.1
libgcrypt               -- GNUPG general purpose cryptographic library
Version 1.11.2
libgpg-error            -- GNUPG error values
libmpc                  -- C library for the arithemetic of high
precision complex numbers
libunistring            -- GNU library provides functions for
manipulating Unicode and C strings according to Unicode Standards
lz4                     -- Compress or decompress .lz4 files
mas                     -- Mac App Store CLI
mpfr                    -- GNU C library for multi-precision floating-
point computations with correct rounding
nano                    -- GNU nano version 8.7 (2025.12.30)
ncurses                 -- CRT screen handling and optimization
package
neofetch                -- display system information
pcre2                   -- Perl Compatible Regular Expressions
screenresolution        -- determine current resolution,list available
resolutions and set resolutions for active displays
xz                      -- compression tool similar to gzip and bzip2
                              Native file format .xz
                              Supports .lzma ; .lz ;
zork                    -- Original Dungeon game (Zork I) created 11-
MAR-91
zsh                     -- The Z shell version 5.9 (2025.12.30)
zsh-autocomplete        -- Zsh plug-in adds real-time type-ahead
autocompletion and multi-line history search to CLI
zstd                    -- compression tool similar to gzip and xz
                              Based on LZ77 family


* /bin directory file list *
```

```
bash                            -- GNU Bourne-Again SHell ver 3.2.57(1)-
release
cat                             -- Comcatenate and print files to stdout
chmod                           -- change file modes or Access Control Lists
cp                              -- copy files
csh                             -- C Shell --> NO MANPAGE - open tcsh man
dash
date                            -- command interperter
dd                              -- convert and copy a file
df                              -- display free disk space
echo                            -- writes arguments to the standard output
ed                              -- text editor (envoke as red for restricted
mode)
expr                            -- evaluate expression ( ?? Over my head, need
research)
hostname                        -- set or print name of current host system
kill                            -- terminate or signal a process
ksh                             -- KornShell, a standard/restricted command
and programming language
launchctl                       -- Interfaces with launchd to manage and
inspect daemons, agents and XPC services
link                            -- Creates hard and symbolic file links
ln                              -- Same as link see manpage
ls                              -- List directory contents
mkdir                           -- Make directories
mv                              -- Move files
pax                             -- read and write file archives and copy
directory hierarchies
ps                              -- process status, displays information about
all processes that have controlling terminals
pwd                             -- return working directory name
realpath                        -- retuen resolved physical path
rm                              -- remove directory and files
rmdir                           -- remove empty directory
sh                              -- used to invoke system shell to execute
commands or run shell scripts
```

```
sleep                   -- suspend execution for an interval of time,
time delay command execution
stty                    -- set the options for a terminal device
interface
sync                    -- force completion of pending disk writes
(flush cache)
tcsh                    -- C shell with file name completion and
command line editing
test                    -- conditional evaluation utility (see
manpage)
unlink                  -- remove directory entries ( envokes rm
manpage )
wait4path               -- loops indefinitely until a given path shows
up in the namespace/mount table
zsh                     -- Z Shell version 5.9

* /usr/bin directory file list *
aa
actool
aea
afclip
afconvert
afhash
afida
afinfo
afktool
afplay
afscexpand
agentxtrap
agvtool
alias
app-sso
applesingle
apply
apropos
ar
```

```
arch
as
asa
AssetCacheLocatorUtil
AssetCacheManagerUtil
AssetCacheTetheratorUtil
assetutil
at
atos
atq
atrm
atsutil
automationmodetool
automator
auval
auvaltool
avbanalyse
avbdiagnose
avbutil
avconvert
avmediainfo
avmetareadwrite
awk
b64decode
b64encode
banner
base64
basename
bashbug
batch
bc
bg
binhex
binhex.pl
binhex5.34.pl
bintrans
```

bioutil
bison
bitesize.d
bm4
bputil
brctl
bsdtar
bspatch
bundle
bundler
bunzip2
bzcat
bzcmp
bzdiff
bzegrep
bzfgrep
bzgrep
bzip2
bzip2recover
bzless
bzmore
c++
c++filt
c89
c99
caffeinate
cal
calendar
cancel
cap_mkdb
captoinfo
cc
cd
certtool
chflags
chfn

chgrp
chpass
chsh
cksum
clang
clang++
clangd
clear
cmp
cmpdylib
codecctl
codesign
codesign_allocate
col
colldef
colrm
column
comm
command
compress
compression_tool
config_data
config_data5.34
corelist
corelist5.34
cpan
cpan5.34
cpio
cpp
cpu_profiler.d
cpuctl
cpuwalk.d
crc32
crc325.34
creatbyproc.d
crlrefresh

```
crontab
csfdiagnose
csplit
csreq
csrutil
ctags
ctf_insert
cu
cups-config
cupstestppd
curl
curl-config
cut
cvaffinity
cvcp
cvmkdir
cvmkfile
dappprof
dapptrace
db_archive
db_checkpoint
db_codegen
db_deadlock
db_dump
db_hotbackup
db_load
db_printlog
db_recover
db_stat
db_upgrade
db_verify
dbicadmin
dbicadmin5.34
dbilogstrip
dbilogstrip5.34
dbiprof
```

```
dbiprof5.34
dbiproxy
dbiproxy5.34
dc
dddiagnose
debinhex.pl
debinhex5.34.pl
defaults
delv
demandoc
DeRez
derq
desdp
devmodectl
diagnose-fu
diff
diff3
diffstat
dig
dirname
dispqlen.d
dist_package_tool
ditto
dmc
dns-sd
drutil
dscacheutil
dscl
dserr
dsexport
dsimport
dsmemberutil
dsymutil
dtruss
du
dwarfdump
```

dyld_info
dyld_usage
egrep
enc2xs
enc2xs5.34
encguess
encguess5.34
encode_keychange
env
erb
errinfo
eslogger
ex
execsnoop
expand
expect
eyapp
eyapp5.34
false
fc
fddist
fdesetup
fg
fgrep
file
filebyproc.d
fileproviderctl
filtercalltree
find
findrule
findrule5.34
finger
fixproc
flex
flex++
fmt

```
fold
fontrestore
footprint
fping
fs_usage
funzip
fuser
g++
gatherheaderdoc
gcc
gcore
gcov
gem
gen_bridge_metadata
gencat
genstrings
getconf
GetFileInfo
getopt
getopts
git
git-receive-pack
git-shell
git-upload-archive
git-upload-pack
gktool
gm4
gnumake
gperf
grep
groups
gunzip
gzcat
gzexe
gzip
h2ph
```

h2ph5.34
h2xs
h2xs5.34
hash
hdid
hdiutil
hdxml2manxml
head
headerdoc2html
heap
hexdump
hidutil
hiutil
host
hostinfo
hotspot.d
hpmdiagnose
htmltree
htmltree5.34
ibtool
iconutil
iconv
ictool
id
imptrace
indent
infocmp
infotocap
install
install_name_tool
instmodsh
instmodsh5.34
IOAccelMemory
iofile.d
iofileb.d
IOMFB_FDR_Loader

```
iopattern
iopending
IOSDebug
iosnoop
iotop
ip2cc
ip2cc5.34
ipcount
ipcount5.34
ipcrm
ipcs
iperf3-darwin
ippeveprinter
ippfind
ipptool
iptab
iptab5.34
irb
jar
jarsigner
java
javac
javadoc
javap
javaws
jcmd
jconsole
jcontrol
jdb
jdeps
jhsdb
jimage
jinfo
jjs
jlink
jmap
```

```
jobs
join
jot
jpackage
jps
jq
jrunscript
jshell
json_pp
json_pp5.34
json_xs
json_xs5.34
jstack
jstat
jstatd
kcc
kdestroy
kextutil
keychain-access
keytool
kgetcred
kill.d
killall
kinit
klist
kmutil
kpasswd
krb5-config
kswitch
ktrace
lam
last
lastcomm
lastwords
latency
layerutil
```

```
ld
ldapadd
ldapcompare
ldapdelete
ldapexop
ldapmodify
ldapmodrdn
ldappasswd
ldapsearch
ldapurl
ldapwhoami
leaks
leave
less
lessecho
lex
libnetcfg
libnetcfg5.34
libtool
lipo
lldb
llvm-g++
llvm-gcc
loads.d
locale
localedef
locate
lockf
lockstat
log
logger
login
logname
look
lorder
lp
```

```
lpoptions
lpq
lpr
lprm
lpstat
lsappinfo
lsbom
lskq
lsm
lsmp
lsvfs
lwp-download
lwp-download5.34
lwp-dump
lwp-dump5.34
lwp-mirror
lwp-mirror5.34
lwp-request
lwp-request5.34
m4
macbinary
macerror
macerror5.34
machine
macoserror
mail
mailq
mailx
make
malloc_history
man
mandoc
mandoc_soelim
manpath
mcxquery
mcxrefresh
```

mddiagnose
mdfind
mdimport
mdls
mdutil
memory_pressure
mesg
mg
mib2c
mib2c-update
mig
mkbom
mkfifo
mklocale
mktemp
mnthome
modelcatalogdump
modelmanagerdump
moose-outdated
moose-outdated5.34
more
mp2bug
mpsgraphtool
nano
nbdst
nc
ncal
ncctl
ncdestroy
ncinit
nclist
ncurses5.4-config
net-server
net-server5.34
net-snmp-cert
net-snmp-config

net-snmp-create-v3-user
nettop
networkQuality
newaliases
newgrp
newproc.d
nfsstat
nice
nl
nm
nmedit
nohup
notifyutil
nscurl
nslookup
nsupdate
objdump
ocspcheck
od
odutil
open
opendiff
opensnoop
openssl
orbd
osacompile
osadecompile
osalang
osascript
otool
pack200
package-stash-conflicts
package-stash-conflicts5.34
pagesize
pagestuff
par.pl

```
par5.34.pl
parl
parl5.34
parldyn
parldyn5.34
passwd
paste
patch
pathchk
pathopens.d
pbcopy
pbpaste
pcap-config
pcsctest
perl
perl5.34
perlbug
perlbug5.34
perldoc
perldoc5.34
perlivp
perlivp5.34
perlthanks
perlthanks5.34
pgrep
pico
piconv
piconv5.34
pidpersec.d
pip3
pkgbuild
pkill
pl
pl2pm
pl2pm5.34
plockstat
```

pluginkit
plutil
pmset
pod2html
pod2html5.34
pod2man
pod2man5.34
pod2readme
pod2readme5.34
pod2text
pod2text5.34
pod2usage
pod2usage5.34
podchecker
podchecker5.34
policytool
power_report.sh
powermetrics
pp
pp5.34
ppdc
ppdhtml
ppdi
ppdmerge
ppdpo
pr
priclass.d
pridist.d
printenv
printf
procsystime
productbuild
productsign
profiles
prove
prove5.34

```
psm
ptar
ptar5.34
ptardiff
ptardiff5.34
ptargrep
ptargrep5.34
pwpolicy
python3
qlmanage
quota
rails
rake
ranlib
rdoc
read
readlink
renice
reset
ResMerger
resolveLinks
rev
Rez
ri
rmic
rmid
rmiregistry
rpcgen
rs
rsync
ruby
rview
rvim
rwbypid.d
rwbytype.d
rwsnoop
```

```
safaridriver
SafeEjectGPU
sample
sampleproc
sandbox-exec
say
sc_usage
scandeps.pl
scandeps5.34.pl
scp
screen
script
sdef
sdiff
sdp
sdx
security
sed
seeksize.d
segedit
seq
serialver
servertool
SetFile
setregion
setuids.d
sfltool
sftp
shar
shasum
shasum5.34
shazam
shlock
shortcuts
showmount
sigdist.d
```

```
sips
size
slogin
smbutil
snfsdefrag
snmp-bridge-mib
snmpbulkget
snmpbulkwalk
snmpconf
snmpdelta
snmpdf
snmpget
snmpgetnext
snmpinform
snmpnetstat
snmpset
snmpstatus
snmptable
snmptest
snmptranslate
snmptrap
snmpusm
snmpvacm
snmpwalk
sntp
sort
sourcekit-lsp
spfd
spfd5.34
spfquery
spfquery5.34
splain
splain5.34
split
SplitForks
sqlite3
```

```
ssh
ssh-add
ssh-agent
ssh-copy-id
ssh-keygen
ssh-keyscan
stapler
stat
streamzip
streamzip5.34
stringdups
strings
strip
stz
su
sudo
sum
sw_vers
swcutil
swift
swift-inspect
swiftc
symbols
symbolscache
syscallbypid.d
syscallbyproc.d
syscallbysysc.d
sysdiagnose
syslog
syspolicy_check
system-override
systemextensionsctl
tab2space
tabs
tail
tailspin
```

talk
tar
taskinfo
tbtdiagnose
tccutil
tclsh
tclsh8.5
tee
test-yaml
test-yaml5.34
textutil
tftp
thermal
tic
tidy
tidy_changelog
tidy_changelog5.34
tiff2icns
tiffutil
time
timer_analyser.d
timerfires
timesyncanalyse
tkcon
tkmib
tkpp
tkpp5.34
tmdiagnose
tmutil
tnameserv
toe
top
tops
topsyscall
topsysproc
touch

```
tput
tr
trace
traptoemail
trash
treereg
treereg5.34
trimforce
true
truncate
trustcachectl
tset
tsort
tty
type
ul
ulimit
umask
umtool
unalias
uname
uncompress
unexpand
unifdef
unifdefall
uniq
units
unpack200
unvis
unzip
unzipsfx
update_dyld_shared_cache
update_mcdp29xx
uptime
usbcfwflasher
usbdiagnose
```

usdcat
usdchecker
usdcrush
usdextract
usdrecord
usdtree
usdzip
users
uttype
uucp
uudecode
uuencode
uuidgen
uulog
uuname
uupick
uustat
uuto
uux
vi
view
viewdiagnostic
vim
vimdiff
vimtutor
vis
vm_stat
vmmap
vtool
w
wait
wall
wc
wdutil
what
whatis

```
whereis
which
who
whoami
whois
wish
wish8.5
write
xar
xargs
xattr
xcdebug
xcode-select
xcodebuild
xcrun
xcscontrol
xcsdiagnose
xctrace
xed
xgettext.pl
xgettext5.34.pl
xip
xml2-config
xml2man
xmlcatalog
xmllint
xpath
xpath5.34
xprotect
xslt-config
xsltproc
xsubpp
xsubpp5.34
xxd
yaa
yacc
```

```
yamlpp-events
yamlpp-events5.34
yamlpp-highlight
yamlpp-highlight5.34
yamlpp-load
yamlpp-load-dump
yamlpp-load-dump5.34
yamlpp-load5.34
yamlpp-parse-emit
yamlpp-parse-emit5.34
yapp
yapp5.34
yes
zcat
zcmp
zdiff
zegrep
zfgrep
zforce
zgrep
zip
zipcloak
zipdetails
zipdetails5.34
zipgrep
zipinfo
zipnote
zipsplit
zless
zmore
znew
zprint

* /usr/sbin directory file list *
ab
ac
```

```
accton
amt
apachectl
appleh13camerad
appleh16camerad
appsleepd
arp
aslmanager
asr
audit
auditd
auditreduce
authserver
automount
avbdeviced
bless
BlueTool
bluetoothd
BootCacheControl
BTLEServer
BTLEServerAgent
cfprefsd
chat
checkgid
chown
chroot
ckksctl
coreaudiod
createhomedir
cron
cupsaccept
cupsctl
cupsd
cupsdisable
cupsenable
cupsfilter
```

```
cupsreject
cvadmin
cvdb
cvdbset
cvfsck
cvfsdb
cvfsid
cvgather
cvlabel
cvmkfs
cvupdatefs
cvversions
dbmmanage
ddns-confgen
dev_mkdb
DevToolsSecurity
DirectoryService
diskutil
distnoted
dnctl
dot_clean
dsconfigad
dsconfigldap
dseditgroup
dsenableroot
dtrace
edquota
envvars
envvars-std
fcgistarter
fdisk
filecoordinationd
firmwarepasswd
gpt
graphicssession
gssd
```

hdik
htcacheclean
htdbm
htdigest
htpasswd
httpd
httpd-wrapper
httxt2dbm
installer
ioalloccount
ioclasscount
ioreg
iostat
ipconfig
iRATBW.mlmodelc
kadmin
kadmin.local
kcditto
kdcsetup
KernelEventAgent
kextcache
kextfind
kextlibs
kextstat
klist_cdhashes
krbservicesetup
ktutil
languagesetup
localemanager
logresolve
lpadmin
lpc
lpinfo
lpmove
lsof
mDNSResponder

mDNSResponderHelper
mkextunpack
mkfile
mkpassdb
mtree
ndp
netbiosd
netstat
networksetup
newsyslog
nfs4mapid
nlcontrol
notifyd
nvram
ocspd
otctl
PasswordService
pdisk
pkgutil
postalias
postcat
postconf
postdrop
postfix
postkick
postlock
postlog
postmap
postmulti
postqueue
postsuper
pppd
praudit
purge
pwd_mkdb
quotaoff

```
quotaon
racoon
rarpd
repairHomePermissions
repquota
rotatelogs
rpc.lockd
rpc.statd
rpcbind
rpcinfo
rtadvd
sa
sc_auth
screencapture
scselect
scutil
securityd
sendmail
serverinfo
setkey
setquota
sharing
skywalkctl
slapacl
slapadd
slapauth
slapcat
slapconfig
slapdn
slapindex
slappasswd
slapschema
slaptest
smbd
smbdiagnose
sndiskmove
```

snmpd
snmptrapd
snquota
sntpd
softwareupdate
spctl
spindump
spray
sshd
sso_util
sysadminctl
sysctl
syslogd
system_profiler
systemkeychain
systemsetup
systemsoundserverd
systemstats
taskpolicy
tcpdump
traceroute
traceroute6
tsig-keygen
uasysdiagnose
universalaccessd
unsetpassword
usernoted
uuchk
uucico
uuconv
uusched
uuxqt
vifs
vipw
visudo
vpnd

```
vsdbutil
weakpass_edit
wfsctl
WirelessRadioManagerd
xartutil
xsanctl
xscertadmin
zdump
zic
```