

# Systemadmin plugin

This plugin adds a series of aliases and functions which make a System Administrator's life easier.

To use it, add `systemadmin` to the plugins array in your zshrc file:

```
plugins=(... systemadmin)
```

## Aliases

Alias	Command	Description
ping	<code>ping -c 5</code>	Sends only 5 ICMP Messages
clr	<code>clear; echo Currently logged in on \$TTY, as \$USERNAME in directory \$PWD.</code>	Clears the screen and prints the current user, TTY, and directory
path	<code>print -l \$path</code>	Displays PATH with each entry on a separate line
mkdir	<code>mkdir -pv</code>	Automatically create parent directories and display verbose output
psmem	<code>ps -e -orss=,args=   sort -b -k1 -nr</code>	Display the processes using the most memory
psmem10	<code>ps -e -orss=,args=   sort -b -k1 -nr   head -n 10</code>	Display the top 10 processes using the most memory
pscpu	<code>ps -e -o pcpu,cpu,nice,state,cputime,args  sort -k1 -nr</code>	Display the top processes using the most CPU
pscpu10	<code>ps -e -o pcpu,cpu,nice,state,cputime,args  sort -k1 -nr   head -n 10</code>	Display the top 10 processes using the most CPU
hist10	<code>print -l \${(o)history%% *}   uniq -c   sort -nr   head -n 10</code>	Display the top 10 most used commands in the history

## Functions

Function	Description
dls	List only directories in the current directory
psgrep	List all processes that match the pattern input after the command
killit	Kills any process that matches a regular expression passed to it
tree	List contents of directories in a tree-like format (if tree isn't installed)
sortcons	Sort connections by state
con80	View all 80 Port Connections

sortconip	On the connected IP sorted by the number of connections
req20	List the top 20 requests on port 80
http20	List the top 20 connections to port 80 based on tcpdump data
timewait20	List the top 20 time_wait connections
syn20	List the top 20 SYN connections
port_pro	Output all processes according to the port number
accessip10	List the top 10 accesses to the ip address in the nginx/access.log file or another log file if specified
visitpage20	List the top 20 most visited files or pages in the nginx/access.log file or another log file if specified
consume100	List the 100 most time-consuming Page lists (more than 60 seconds) as well as the corresponding number of occurrences
webtraffic	List website traffic statistics in GB from the nginx/access.log file or another log file if specified
c404	List statistics on 404 connections in the nginx/access.log file or another log file if specified
httpstatus	List statistics based on http status in the nginx/access.log file or another log file if specified
d0	Delete 0 byte files recursively in the current directory or another if specified
geteip	Gather information regarding an external IP address using <a href="http://icanhazip.com">icanhazip.com</a>
getip	Determine the local IP Address with <code>ip addr</code> or <code>ifconfig</code>
clrz	Clear zombie processes
conssec	Show number of concurrent connections per second based on nginx/access.log file or another log file if specified