

System Load

uptime	5; 10; 15 minute CPU load average
top -b -n 1	(b)atch mode; (n)times to update before closing
sysstat pkg	/etc/default/sysstat 'ENABLED="true"'
iotop	top, but for disk usage
iostat	shows I/O stats for blk devices.
sar	view sysstat logs for the day
sar (-r) (-b)	-r View ram statistic ; -b view I/O statistics
sar -s 00:00:00 -e 00:00:00	view stats within range date (s)tart to (e)nd
sar -f /var/log/sysstat/sa**	from full path

Disk Management

e2label /dev/sd* /	Change the label on a ext* filesystem
blkid	locate/print block device attributes
/etc/fstab	file systems mounted at boot.
du -ckx sort -n	Disk Usage (c)Total (k)1k Blk Size (x) one file system. sort by number
/etc/logrotate.conf	edit logrotate settings
df -i	report disk space usage, (i) inodes
fsck -y -C /dev/sda*	file system check (y) yes (C) progress bar
mke2fs -n /dev/sda*	list superblocks on a file system.
fsck -b (superblock) -y -C /dev/sda*	run fsck and repair superblock with backup

Networking Troubleshooting

ifconfig	gather information about network adapters
ethtool eth0	tool to analyze Ethernet connection.
sudo route -n	check routing table, (n)o dns resolution
sudo service networking restart	restart networking service
nslookup	query dns for URL/IP
traceroute	traces route to host
nmap -p \$port \$ipaddr	check (p)ort range with \$ipaddr
sudo netstat -ltn	show only (l)istening sockets (n)umeric (p)rogram, shows PID and name of program
iptables -L	Show all firewall rules
iftop	top for open network connections
tcpdump -n	packet dump
tcpdump (not) host/port	filter options for tcpdump
sudo tcpdump -C 10 -n -l host website tee outputfile	run tcpdump and output to file, -C sets max size of output file
dig website	like nslookup, more informative.
dig target @dns	check dns record of target against specific dns
dig target +trace	traces DNS route



By [jhaley32](https://cheatography.com/jhaley32/)
cheatography.com/jhaley32/

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