

Misc.

Remove Duplicate Lines (Without Sorting)

```
awk '!seen[$0]++' filename
```

curl HTTP/HTTPS scan of host range

```
curl --include --verbose --insecure --connect-timeout 1  
"{http,https}://10.0.1.[1-254]" -o "10.0.1.#2_#1.html" 2>&1 | tee curl.log
```

Delete old files but always keep the x newest ones

```
find . -maxdepth 1 -type f -printf '%T@%t%p\n' | sort -t '$\t' -g | head -n  
-10 | cut -d '$\t' -f 2- | xargs ls -l
```

```
ls -lt | sed -e '1,10d' | xargs -d '\n' ls -l
```

Serving Documents via HTTP

```
while true; do nc -l -p 80 -q 1 < error.html; done  
while true; do { echo -e 'HTTP/1.1 200 OK\r\n'; cat index.html; } | nc -l  
8080; done  
python2 -m SimpleHTTPServer 8080  
python3 -m http.server 8080  
twistd -n web -path .  
php -S localhost:8080
```

View markdown files in lynx

```
pandoc -s -f markdown -t html =(curl  
https://raw.githubusercontent.com/cyberhouse/doc/master/README.md) | lynx -stdin  
pandoc -s -f markdown -t html doc/README.md | lynx -stdin
```

Set Host Header in curl

```
curl --header 'Host: www.example.com' 'http://localhost/index.php?id=23&L=5'
```

Cookies and Login with curl

```
curl -d @$HOME/.credentials --cookie-jar /tmp/cjar -k  
https://example.com/?do=login; curl -k --cookie /tmp/cjar --cookie-jar  
/tmp/cjar https://example.com/foo|lynx -stdin
```

Get HTTP Status Code with curl

```
curl -s -w "%{http_code}\\n" http://www.cyberhouse.at -o /dev/null  
# Add -L if you intend to follow location responses
```

See File Access for a Specific Path

```
lsof +D /var/log
```

Find Rogue Internet Gateways on your Network

```
nmap -sn 172.16.35.0/24 --script ip-forwarding --script-  
args="target=www.google.com"
```

Remote Network Protocol Analyzing with tcpdump or tshark and Wireshark

```
ssh server1 tcpdump -i eth3 -U -s0 -w - 'tcp port 80' | wireshark -k -w  
/tmp/gw.cap -b filesize:50000 -b files:10 -i -  
ssh server1 'tshark -f "port !22" -w -' | wireshark -k -i -  
tshark -i any -s0 -f 'port !22' -w $(date +%s).pcap
```

Create Diff with remote file

```
diff .ssh/config <(ssh trillian 'cat .ssh/config')
```

Create cronjob programmatically

```
crontab -l > /tmp/$(whoami)-crontab
```

```
echo '* * * * * www-data /var/www/html/typo3/cli_dispatch.phpsh scheduler'
>> /tmp/$(whoami)-crontab
crontab /tmp/$(whoami)-crontab
rm /tmp/$(whoami)-crontab
```

Forward Ports

```
socat TCP4-LISTEN:1234,fork TCP4:192.168.1.1:22' forwards your port 1234
to another machine's port 22. Very useful for quick NAT red
```

Sysstat's sar with 24h Time Format

```
sar -o /tmp/sarlog -A 5 >/dev/null 2>&1
LANG=C; S_TIME_FORMAT="%T; sar -f /tmp/sarlog|les
```

Setting and Removing the Immutable Bit

```
chattr +i /etc/shadow; lsattr /etc/shadow
chattr -i /etc/shadow; lsattr /etc/shadow
```

Add Swap Space

```
dd if=/dev/zero of=/path/to/swapfile count=2097152 # create 1 G file
mkswap /path/to/swapfile
swapon -p 32767 /path/to/swapfile # use with lowest priority possible
```

Optionally create an `/etc/fstab` entry: `<code> /path/to/swapfile none swap sw,pri=32767 0 0 </code>` ===== Reset Root Password, Access to Boot Loader Required ===== Add 1 (after one blank space) or S or Single to the kernel boot parameter to start in single mode. Reset password with `passwd` check if SELinux is disabled if it does not work (`setenforce 0`). If single user mode does not work there is an alternative: Append `init=/bin/bash` to the boot options, remounting the root partition is necessary (`mount -o remount,rw /`). ===== Cut Connections from a Specific Address ===== `<code> cutter 10.10.0.45 </code>` ===== Copy Disk with dd with Progress Bar and Compression ===== `<code> parted /dev/sda # Get the disk size first dd if=/dev/sda | pv -s 60022480896 | pigz -fast > /media/myExternalDrive/myBackup.img </code>` ===== Write Image with dd with Progress Bar ===== `<code> IMAGE=archlinux-2014.04.01-dual.iso && dd bs=1m if=$IMAGE | /opt/local/bin/pv -s $(wc -c $IMAGE) | dd of=/dev/disk1 </code>` ===== Get the Filesystem Age ===== `<code> tune2fs -l $(df -lh / | (read; awk '{print $1; exit}')) | grep -i created </code>` ===== Strace All Processes of a Program, e.g. Apache ===== `<code> program=httpd; strace $(ps wuax|grep $program|grep -v grep|awk '{print "-p" $2}'|xargs) -s8192 -r -o`

```

/tmp/$program-$(date +%FT%T%z) </code> ===== Log Block Activity to Syslog (or
dmesg, Depending on your Ssystem) ===== <code> echo 1 >
/proc/sys/vm/block_dump </code> ===== Sorting ps Output by RSS ===== <code>
ps auxww | sort -nk6 # or ps auxww -sort +rss </code> ===== Better Readable
ps ===== <code> ps auxwef # or to avoid line wraps ps auxef </code> =====
Get Buffered and Cached Read Speed of Block Device ===== <code> hdparm -Tt
/dev/sda </code> ===== Fill Memory Up to Given Percentage ===== <code> stress
-vm-bytes $(awk '/MemFree/{printf "%d\n", $2 * 0.9;}' < /proc/meminfo)k -vm-
keep -m 1 </code> ===== Using top in Batch Mode ===== <code> top -b -i -d 10
» /tmp/log/top </code> ===== Simple Port Check with Bash's Built-in /dev/tcp
===== <code> /bin/bash -c "echo >/dev/tcp/144.76.8.201/443 && echo 'open'"
</code> ===== Check sudo Permissions of User ===== sudo -U username -l =====
Show OOM score ===== dstat -top-oom ===== Transfer Files without SSH =====
remotely: <code> cat /usr/local/www/munin/memory-month.png | gzip -9c |
uuencode /dev/stdin </code> locally: <code> pbpaste | uuencode -o /dev/stdout
| gzip -cd > ~/Downloads/memory-month.png </code> ===== List SMB shares on
macOS ===== smbutil statshares -a ===== Get Public/External IP Address =====
<code> dig +short myip.opendns.com @resolver1.opendns.com </code> <code> curl
ipinfo.io </code> <code> curl ifconfig.me/all </code> <code> curl
icanhazip.com </code> <code> curl myip.dnsomatic.com </code> <code> curl
whatismyip.akamai.com </code> ===== Add Timestamp to Output ===== <code> vmstat
5 | awk '{system("/bin/echo -n $(/bin/date)"); print ": " $0}' | tee vmstat-
$(date +%F) </code> <code> vmstat 5 | awk '{now=strftime("%Y-%m-%d %T ");
print now $0}' </code> ===== Monitor Occurrence of Event or State Change and
Notify by Terminal Bell ===== <code> while sleep 3; do curl -silent
https://wiki.sysop.cafe/misc|grep sleep && tput bel; done </code> <code>
while sleep 3; do dig foo.bar.baz +short @8.8.8.8|grep 129 && tput bel; done
</code> ===== Terminal bell character ===== <code> printf '\a' echo -en "\007"
tput bel </code> ===== Test Hosts on Servers not Available via DNS === <code>
curl -H "Host: example.com" 10.0.0.13 </code> <code> wget -header="Host:
example.com" 10.0.0.13 </code> ===== .htpasswd ===== <code> printf
"John:$(openssl passwd -crypt V3Ry)\n" » .htpasswd # this example uses crypt
encryption </code> <code> printf "Mary:$(openssl passwd -apr1 SEcRe7)\n" »
.htpasswd # this example uses apr1 (Apache MD5) encryption </code> <code>
printf "Jane:$(openssl passwd -1 V3RySEcRe7)\n" » .htpasswd # this example
uses MD5 encryption </code> <code bash> (PASSWORD="SEcRe7PwD";SALT="$(openssl
rand -base64 3)";SHA1=$(printf "$PASSWORD$SALT" | openssl dgst -binary -sha1
| xxd -ps | sed 's#$$#'`echo -n $SALT | xxd -ps`"'#` | xxd -r -ps |
base64);printf "Jim:{SSHA}$SHA1\n" » .htpasswd) # this example uses SSHA
encryption </code> <code perl> #!/usr/bin/perl use strict; chomp(my
$filename=$ARGV[0]); chomp(my $username=$ARGV[1]); chomp(my
$password=$ARGV[2]); if (!$filename || !$username || !$password) { print
"USAGE: ./crypt.pl filename username password\n\n"; } else { open FILE, ">",
$filename or die $!; print FILE $username . ":" . crypt($password, $username)
. "\n"; close FILE or die $!; } </code> ===== Using Comments as Hashtags for
Easier History Search ===== <code bash> vim -R /var/db/mysql/percona57.err
#mysql-error </code> ===== Getting SIGINFO with Ctrl-T ===== e.g. to get an
progress information for a running program like dd, ping, rsync".

```

Delete Line from File

```
sed -i -e '3d' ~/.ssh/known_hosts
```

Find and process files older than...

```
find /opt/tomcat/temp/ -type f -name '*.xlsx' -mtime +14 -exec rm {} \;
```

Run (Cron) Script only if not already running

```
4 5 * * * /usr/local/bin/flock -n /tmp/backup.lock  
/usr/local/scripts/bbackupfoo.sh
```

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