Cheatography

DevOps Cheat Sheet

by hapuchu via cheatography.com/164363/cs/34441/

grep

grep -r pattern	find in files
grep -i pattern	ignore case
grep -o pattern	print file:match
grep -h pattern	hide filename
grep -e pattern -e str2	multiples strings
grep -v pattern	complimenting line
grep -c pattern	print count
grep -n pattern	print # of matches
grep -w pattern	match whole pattern

find

find path -type f -name file	search only filenames
find path -type d -name dir	search only dir names
find path -mtime +7 -ls	older than 7 days
find path -size -10M -ls	less than 10 MB G/K
find path -exec grep -i str {} +	find in files

du

du -a dir	all files
du -h dir	human
du -m dir	in mb
du -c dir	sum
du -s dir	only sum
du --max-depth=1 dir	1 dir level deep

loops

```
seq 5 | xargs -I{} cmd
```

```
for i in {1..5};
do
   date;
done
```

```
for vm in web log db;
do
   uptime;
done
```

archives and zips

tar cvf f.tar f1 f2 f3 ...	create tar
tar xvf f.tar	extract tar
tar tvf f.tar	view tar
gzip -d filename.gz	extract gzip file
zip -r dir-name.zip <dir>	zip a dir
zip -d f.zip fname	delete file from zip
unzip -p zipfile.zip fname.txt	cat a file inside a zip file

sed

sed -i'.bak' 's/old/new/g'	replace after backup
sed 's/ab/xy/g;s/de/pq/g'	multiple replaces
sed '10,20 s/abc/xyz/g'	replace in range

awk

awk -F',' '{print $1"@"$3}'	print col1@col3
awk -F'\t' '/str/ {print $0}'	print line with str
awk -F: '{print $(NF-1)}'	print II col from right
awk -F'(,|:|;)' '{print }'	multiple separators
awk '$1 == 100 {print}'	comparison <, >, <=, >=
awk 'END {print NR " & " NF}'	print # of rows and cols

```
awk 'BEGIN {action} /pattern/ END {action}'
```

stdin stdout

cmd 1>f.out	stdout to f.out
cmd 1>f.out	stderr to f.out
cmd &>f.out	stdout and stderr to f.out

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sort

sort -n	numeric
sort -r	reverse

uniq

uniq -c	print count
uniq -d	only dups
uniq -u	only unique
uniq -i	ignore case

ideally uniq should be used after sort

cut

cut -d ',' -f 1,3,5	print csv cols 1, 3 and 5
cut -d: -f 1 --compliment	print all cols except 1
cut -f -3	print cols 1, 2 and 3
cut -f 3-	print cols 3, 4 ...

tr

tr old new	replace old with new
tr -s ' '	replace multiple space with single

typical use: cat something | tr old new

curl

curl -o file url	save to file
curi -I url	only header
curl -k https://url	ignore cert
curl -u <usr:pwd> url	username password
curl -w	add timeout

misc 1

top	cpu mem info
free -m	mem status
lsof	open files
netstat	nw traffic
dig servername	dns
nslookup servername	dns
time cmd	exe time
watch cmd	auto exe
zip -d f.zip fname	delete file from zip
umount -l mnt	unmount when free
mount -a	mount all
ln -s file link	create symlink

misc 2

| xargs cmd	throws what pipe gave after cmd
ps -ef	list processes
nc -l 1234	listen on 1234
nc 127.0.0.1 1234	send data to 1234
cp -p old new	cp permissions also

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