export -p show func -n remove export **env**

alias -p print (default)

unalias -a

set show methods

set -o vi

unset

declare show methods

break [n]

continue [n]

exit [n]

echo -n !nextline -e backslash on -E \ off (default)

　　\a beep \b backspace \c supres other \f form feed

getopt 'string' name [args]

read [options] var1 [var2 ..]

seq last   **seq** first last   **seq** first inc last

　　-w format out by 0 -f --foramt=FORMAT

shift [n]

test expr　　　　　　[expr]

　　-d exist dir -e exist -f regulare file -L symbolic linsk

　　-n 'string' non-empt str -r readable -s !0 size

　　-w writble -x execute -z empt str

　　file1 -ot file2 f1 older f2 , str1 == str2 , str1 != str2

case string **in**

　　pat1)

　　cmd

　　;;

　　pat2)....

　　*)

esac

for x **in** list **; do** cmd [;cmd2 ..]; **done**

for x **in** list

do

　　cmd

done

if expr

then

　　cmd

fi

return [n]

function name [(args)] {cmd ..}

 while ; **do** cmd ; **done**

 until test ; do cmd ; done

mysql -u root -p -hlocalhost

useradd -s shell -d homedir -m make home -c comment

　　　　-p pass hash -u uid -U make g -N !makeg -g --gid

　　　　-e --expiredate -f --incative -r --system -G groups

userdel -f force -r remve file

usermod -s shell -d home -c comment -e eprDa

-f inacDat -g default group -G groups -a append

-L lockpass -U unlock -l newlogin -m move home -p pass

 passwd -a --all with '-S' -e --expire -f -inactive -l lock

-n mindays -S --status -u unlock -w warnday -x maxday

gpasswd -a --add user -d --delete -r --remove-password

　　　　-R restrict all -A set admins -M set members

pwconv pwunconv grpconv grpunconv

chage -d lastday -E exprDay -I incaDay -l list -m min

　　　-M maxday -W warnDay

groupadd -f force -g gid -o non-uniqe -r system -p

groupmod -n --new-name -o non-uniq -g gid -p pasword

groupdel

groups   newgrp

crontab -e edit -r remove -l list -i interactive -u user

anacron -f force exec -u update timestamp -s serialize

　　　-n run jobs now -t file

at 'time' -t time -f fileJob -m send mail -M !mail

　　　-c cat job -d -r **atrm** remove -l list **atq**

date "+%Y-%m-%d %H:%M"   -s --set -u --utc

tzconfig → dpkg-reconfigure tzdata

tzselect

iconv -f form encode -t to encode

ntpd -c file config -g no panic -n no deamon -q exit after

　　　-N highest priority

ntpdate -b fast -p num of sample def4 -d debug -s loging

-q just query-t timeout -u 1024/tcp -v verbose -B slow

ntpq -c cmd -i interactive (def) -n numerical -p peer

ntpdc -c cmd [host]

ntptrace -n numerrical

hwclock -r --show -s --hctosys -w --systohc --date=Date
--systz resetTz --localtime --utc --adjust

logger -d --udp -i --id -n --server -P --port def 514
-p priority -s --stderr also stderr -t --tag -u --socket

mail -s subject -c cc -b bcc -f file

mailq

dig

ftp [host port]   -4 -6 -i turn off iteractive -v verbose
open close ls get put mget mput pwd promt exit quit

telnet [host port]   open close logout

ping -c count -a beep -b broadcast addr -i inrerval

traceroute -n no resolv -f set init ttl -g gateway -i interface
-m max ttl -w timeout

tracepath

netstat -c continuose -i interfaces -n numeic -p proces
-r route -u udp -t tcp -e extend -l lestening -a --all
-s protocol statics

nslookup [opt] name [server]   **host** [opt] name [server]

hostname 'newHostname'

whois

ifconfig up down address netmask -s summerry -a all

route -n numerical -h help -C cache -F table (def)
add del -host -net gw metric dev netmask

dhclient

dhcpd -cf config file -lf lease file

dhclient

su -c cmd -s shell - login shell -l login shell

whoami

sudo -u user -b background -e editor

ulimit -a report all -u num of proces -x max num file lock
-v memory max -H hard limit -S soft limit

nmap -sP just ping -n numeric -sS tcp -sU udp -sV service
-O determine OS

lsof -c proces name start with -i socket file -u user
-P !conv port

xdpyinfo

xwininfo

mkfontscale

mkfontdir

ssh -C compress -X x forward -p port -q quiet -x disable x

-L lo to re -R re to local

ssh-keygen -t type -f file -C comment -f file -P passphras

-c change comment -b bits -N newpass -R removehost

ssh-add -D delete all -d delete -l list finger -L list pubs

ssh-agent

gpg --key-gen --import --export --list-keys --edit-key

-o --output --sign -c ecry -d dec -r for user -a asci out

lp - - print f stdIn -d destination - host:port -q priorit
 -E encrypt con -U user -i jobId to modify -m mail
  -n copy -s silent -t set name -o option -H spec jop when

cancel -E -U -h -a all -u user jobs

lpstat -E -U -h -H show host -R show rank -a show acept
-c show class -d show def dest -l long list form -o q of de
-p show printer -s status sumery -r show run -t all status
-v show printers

lpq [user] [jobid] -l long format -P print q name
-a report all

lprm [user] [jobid] - cancel all

lpr [file] -# copies -s make s link -P q name -E -U
-H host -T set job name -l formated file -m mail -q hold
-o option

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