

# LINUX - Debian

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## Linux Server

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THS

### Services

- ☐ Telnet
- ☒ SSH
- ☐ Web Server
  - ☒ apache2
  - ☐ Virtual Hosting
- ☐ File Servers [ Linux -> Linux & Windows]
  - ☐ FTP
    - ☐ SFTP
  - ☐ NFS
  - ☒ SAMBA
- ☐ DHCP
- ☐ DNS
- ☒ Proxy Server
  - ☐ Forward Proxy
    - ☐ squid proxy
  - ☐ Reverse Proxy
    - ☐ haproxy (load Balancer)
    - ☐ apache clustering
- ☐ X Server
- ☐ VNC Server
- ☐ CUPS
- ☐ NIS, LDAP
- ☐ Mail Service

### Miscellaneous

- ☐ Installation of Linux
- ☐ Installation of Packages

☐ tree, sudo, man, file

☐ Network Configuration

☐ /etc/network/interfaces

☐ Static

☐ Dynamic

## User & Group Management

☐ User & Group Management

☐ adduser

☐ addgroup

☐ useradd

☐ usermod

☐ members

☐ id

☐ getent

☐ groups

☐ deluser

☐ userdel

☐ delgroup

☐ groupdel

☐ whoami

☐ who am i

☐ who

☐ w

☐ passwd

☐ finger

☐ Files

☐ /etc/passwd

☐ /etc/group

## Disk Management

☐ Disk Management

☐ lsblk

☐ df

☐ du

☐ fdisk

☐ mkfs

☐ gdisk

☐ cfdisk

☐ lvm

☐ mount

☐ umount

## **File & Directory Management**

☐ File Management

☐ ls

☐ cd

☐ tree

☐ pwd

☐ touch

☐ mkdir

☐ chmod

☐ chown

☐ chgrp

☐ umask

☐ ACL

☐ getfacl

☐ setfacl

☐ cat

☐ cp

☐ scp

☐ mv

☐ rm

☐ rmdir

☐ less

☐ more

☐ head

☐ tail

☐ nano

☐ vi/vim

☐ gzip , gunzip

- ☐ zip, unzip
- ☐ zcat
- ☐ tar
- ☐ find
- ☐ locate, updatedb
- ☐ pushd
- ☐ popd
- ☐ dirs
- ☐ ln [hard link - soft link]

## Process Management

### ☐ Process Management

- ☒ ps
- ☐ top
- ☐ htop
- ☐ atop
- ☒ kill
- ☐ killall
- ☐ pkill
- ☐ jobs
- ☐ fg
- ☐ bg
- ☐ sleep
- ☒ crontab
- ☐ systemctl
- ☐ uptime
- ☐ &
- ☐ ( )

## Filter Commands

### ☐ Filter Commands

- ☒ cat
- ☒ tac
- ☒ head
- ☒ tail
- ☐ cut

- ☐ sort
- ☐ uniq
- ☒ grep, egrep, fgrep
- ☐ awk
- ☐ sed
- ☐ wc
- ☐ diff

## **Network Management**

- ☐ Network Management
- ☐ ip
- ☐ ping
- ☐ tracer
- ☐ netstat [ deprecated ]
- ☐ ss
- ☐ dig
- ☐ nslookup

## **Other Linux commands**

- ☒ echo
- ☐ printf
- ☒ read
- ☒ sudo
- ☒ su
- ☒ history
- ☐ alias
- ☐ unalias
- ☒ passwd
- ☐ date
- ☐ time
- ☐ banner
- ☐ sl
- ☐ xeyes
- ☐ xterm
- ☒ whatis
- ☒ man

☐ whereis

☐ which

☐ dhclient, dhclient -r

☐ wget

☐ curl

☐ links

☐ ssh

☐ scp

☐ apt

☐ dpkg

☐ systemctl

## Input & Output Redirection

☐ >

☐ >>

☐ 2>

☐ &>

☐ <

☐ { } [Multiple Commands]

☐ exec

☐ |

☐ &&

☐ ||

☐ ;

☐ &

## BASH Scripting

### Brackets

☐ ()

☐ (( ))

☐ []

☐ [[ ]]

☐ { }

### Comments

☐ Single Line

☐ Multi Line

## Others

- ☐ echo
- ☐ read
- ☐ if
- ☐ case
- ☐ for
- ☐ while
- ☐ until
- ☐ data types
- ☐ string manipulation