

- description :
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## Linux

- (OS) , CPU, ,  
. OS
- 가
- ,
- 가
- CLI( ) GUI( )  
OS
- PC ( )
- AP ,  
IoT, TV , ,

**(sudo)**

- 가 . sudo permission denied 가

- ,
- 
- root 가

- FAT(File Allocate Table) :

- 
- 

- NTFS(New Technology File System) : FAT

- , FAT 가 가

- EXT(EXTended file system) :

## mount

- ex) ,USB

- USB PnP , PnP

- mount  
◦ mount - df  
◦ mount - remount [device] [directory]

- ,

- 가
- (PPID), (fork ) 가
- (kernel)
- ( )가
- ID(PID)가

- Windows / .(test.txt=TEST.txt)
- Linux . (test != TEST)

### task

- - 가 CPU
- - 가
- - , , ,
- - , 가 ,
- 가 - 가
- -

- Unix System) Tree 가 FHS(Filesystem Hierarchy
- - /
- 가 - bin (binary) (ls, cp, mv, rm)
- - boot )
- - etc
- - dev , ODD, USB , , ,
- 가 ( )가
- - lib .
- - lib - proc 가

- 
- 
- “ 가 ”
- 
- 
- - sbin
  - bin
  - , ,
- 가 - var
  - , ,
  - 
  - 가
- - usr
  - ,
  - 
  - GCC, Apache, MySQL, PHP
  -
- - sys
  - 가

## Multi-User

- 가

## Multi-Tasking

- task( ) ,
- , 300 가 (GUN)

## init

- , init
- init /sbin/init ,
- init , init
- init 가
- killed가 가
- init

- 
- 
- . input output write 가
- , syslogd httpd
- 
- ( Bash CLI → , ) bash가

Bourne Shell	sh	
C Shell	csch	C 가 , Bourne Shell ,
TC Schell	tcsh	C Shell 가
Korn Shell	ksh	Bourne Shell 가 C Shell , Unix
Bourne Again Shell (bash)	bash	가 Bourne C Korn Shell

- - grep [ ID] /etc/passwd

```
$ chsh # (Changing shell)
Password: # ID
New shell [/bin/bash]: /bin/csh #
Shell changed. #
```

- - etc 가

```
$ cat /etc/shells
/bin/sh
/bin/bash
```

```
/sbin/nologin  
/bin/dash  
/bin/tcsh  
/bin/csh
```

- Shell( ) (batch) . . ,  
Shell Script  
가

- 1. 가
    2. , 가
  - 1. 가
    2. sh , , BSD , therof ,  
가
    3. , , 가  
가
- 5 , , shell

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