

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

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

- (#!/bin/bash) - bash

- - , , , , , , ,

5 , , shell

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