

- 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

Multi-User

- 가

Multi-Tasking

- task() ,
- (GUN)
 - , 300 가

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	csh	C , 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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