

리눅스 중간 리포트

131036 서동규

1. 가상서버에 사용자 추가

```
dec7 — ssh — 113
Last login: Wed Aug  7 16:12:59 on console
Dec7ui-MacBook-Pro:~ dec7$ ssh dec7@dec7.net
dec7@dec7.net's password:
Welcome to Ubuntu 12.04.2 LTS (GNU/Linux 3.5.0-36-generic i686)

 * Documentation:  https://help.ubuntu.com/

68 packages can be updated.
42 updates are security updates.

Last login: Thu Aug  1 14:22:04 2013 from 192.168.56.1
dec7@dec7-VirtualBox:~$
```

```
dec7 — ssh —
dec7@dec7-VirtualBox:~$ sudo useradd -m newdec7
dec7@dec7-VirtualBox:~$ passwd newdec7
passwd: newdec7의 암호 정보를 보거나 바꿀 수 없습니다.
dec7@dec7-VirtualBox:~$ sudo passwd newdec7
sudo: passwd: command not found
dec7@dec7-VirtualBox:~$ sudo passwd newdec7
새 UNIX 암호 입력:
새 UNIX 암호 재입력:
passwd: 암호를 성공적으로 업데이트했습니다
dec7@dec7-VirtualBox:~$
```

```
dec7 — ssh — 113x43
Dec7ui-MacBook-Pro:~ dec7$ ssh newdec7@dec7.net
newdec7@dec7.net's password:
Welcome to Ubuntu 12.04.2 LTS (GNU/Linux 3.5.0-36-generic i686)

 * Documentation:  https://help.ubuntu.com/

68 packages can be updated.
42 updates are security updates.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

$
```

1) 가상서버에 접속

2) useradd 명령어를 사용하여 새로운 사용자 추가
useradd [옵션] 유저이름

3) passwd 사용자 비밀번호 설정
passwd 유저이름

4) /etc/passwd 현재 사용자를 확인할 수 있는 파일

5) userdel 사용자를 삭제
userdel [옵션] 유저이름

2. 아파치 서버에 개인 디렉토리 설정

```
dec7@dec7-VirtualBox:~$ vi /etc/apach2/httpd.conf
dec7@dec7-VirtualBox:~$ sudo vi /etc/apache2/httpd.conf
[sudo] password for dec7:
dec7@dec7-VirtualBox:~$ sudo vi /etc/apache2/httpd.conf
dec7@dec7-VirtualBox:~$
```

[illegible]

```
dec7@dec7-VirtualBox:~$ vi /etc/apache2/httpd.conf
dec7@dec7-VirtualBox:~$ sudo vi /etc/apache2/httpd.conf
[sudo] password for dec7:
dec7@dec7-VirtualBox:~$ sudo vi /etc/apache2/httpd.conf
dec7@dec7-VirtualBox:~$ /usr/bin/apachectl restart
```

- 1) /etc/apache2 폴더내 httpd.conf 파일을 아래와 같이 수정
- 2) UserDir을 활성화 시켜, public_html 폴더로 설정

- ### 3) Apache 재시작

2. 아파치 서버에 개인 디렉토리 설정

```
dec7 — ssh — 80x46
Last login: Wed Aug 7 21:04:36 on console
Dec7ui-MacBook-Pro:~ dec7$ ssh dec7@dec7.net
dec7@dec7.net's password:

Welcome to Ubuntu 12.04.2 LTS (GNU/Linux 3.5.0-36-generic i686)

 * Documentation:  https://help.ubuntu.com/

68 packages can be updated.
42 updates are security updates.

Last login: Wed Aug 7 18:37:49 2013 from 192.168.56.1
dec7@dec7-VirtualBox:~$
dec7@dec7-VirtualBox:~$ cd /etc/apache2/
dec7@dec7-VirtualBox:/etc/apache2$ ls
apache2.conf  envvars      magic        mods-enabled  sites-available
conf.d        httpd.conf   mods-available  ports.conf    sites-enabled
dec7@dec7-VirtualBox:/etc/apache2$ sudo vi httpd.conf
[sudo] password for dec7:
dec7@dec7-VirtualBox:/etc/apache2$ exit
로그아웃
Connection to dec7.net closed.
Dec7ui-MacBook-Pro:~ dec7$ ssh newdec7@dec7.net
newdec7@dec7.net's password:
Welcome to Ubuntu 12.04.2 LTS (GNU/Linux 3.5.0-36-generic i686)

 * Documentation:  https://help.ubuntu.com/

68 packages can be updated.
42 updates are security updates.

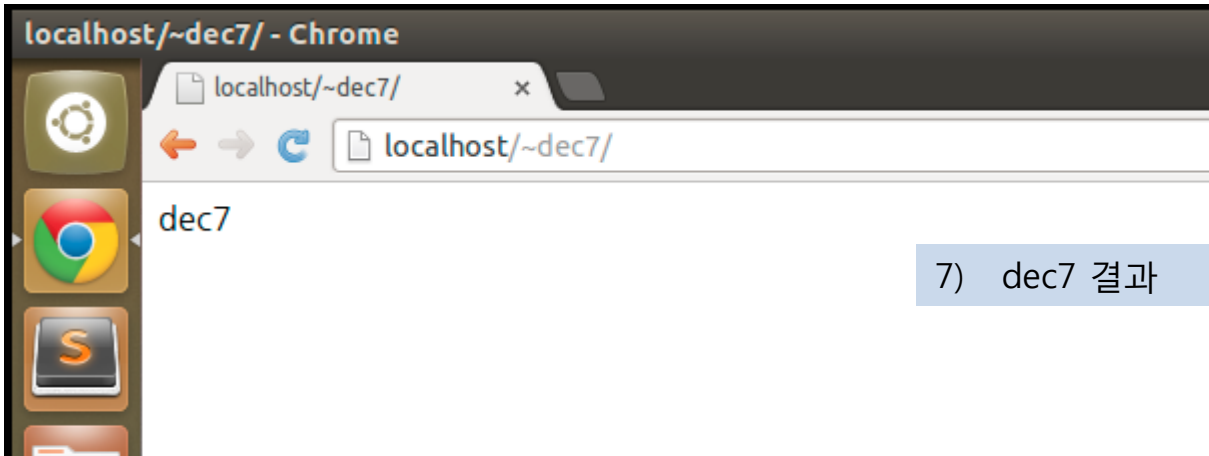
Last login: Wed Aug 7 18:35:05 2013 from 192.168.56.1
$ ls
examples.desktop  public_html
$
```

4) public_html 폴더 생성

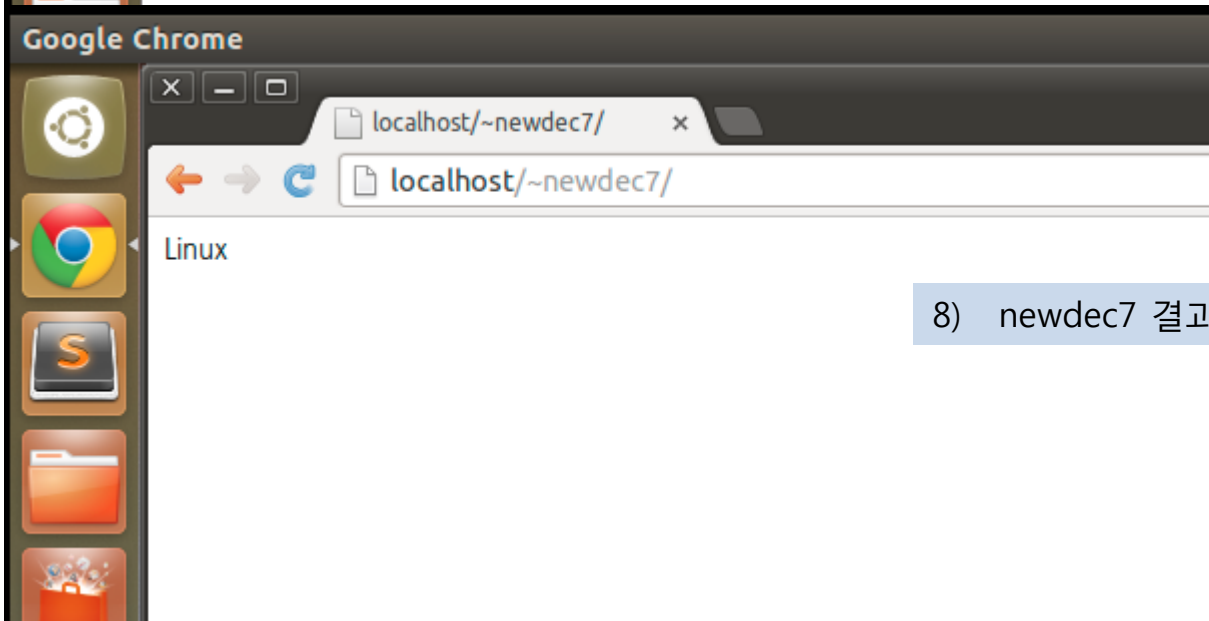
5) public_html 폴더에 접근 권한 설정
chmod 755 public_html

6) /~newdec7

2. 아파치 서버에 개인 디렉토리 설정



7) dec7 결과



8) newdec7 결과

3. Htop 소스로부터 빌드하기

```
dec7@dec7-VirtualBox: ~  
dec7@dec7-VirtualBox:~$ sudo apt-get --purge remove htop
```

1) apt-get 을 통해 설치한 htop 삭제

```
dec7@dec7-VirtualBox: ~/htop  
htop-1.0.2.tar.gz  
dec7@dec7-VirtualBox:~/htop$ tar -xvf htop-1.0.2.tar.gz  
htop-1.0.2/  
htop-1.0.2/config.sub  
htop-1.0.2/htop.1.in  
htop-1.0.2/AvailableMetersPanel.h  
htop-1.0.2/Settings.h  
htop-1.0.2/CategoriesPanel.c
```

2) Htop 소스 다운로드 후 압축 해제

```
dec7@dec7-VirtualBox:~/htop/htop-1.0.2$ ls  
AUTHORS  
Affinity.c  
Affinity.h  
AffinityPanel.c  
AffinityPanel.h  
AvailableColumnsPanel.c  
AvailableColumnsPanel.h  
AvailableMetersPanel.c  
AvailableMetersPanel.h  
BatteryMeter.c  
BatteryMeter.h  
COPYING  
CPUMeter.c  
CPUMeter.h  
CRT.c  
CRT.h  
CategoriesPanel.c  
CategoriesPanel.h  
ChangeLog  
dec7@dec7-VirtualBox:~/htop/htop-1.0.2$  
CheckItem.c  
CheckItem.h  
ClockMeter.c  
ClockMeter.h  
ColorsPanel.c  
ColorsPanel.h  
ColumnsPanel.c  
ColumnsPanel.h  
DisplayOptionsPanel.c  
DisplayOptionsPanel.h  
FunctionBar.c  
FunctionBar.h  
Hashtable.c  
Hashtable.h  
Header.c  
Header.h  
HostnameMeter.c  
HostnameMeter.h  
INSTALL  
IOPriority.c  
IOPriority.h  
IOPriorityPanel.c  
IOPriorityPanel.h  
ListItem.c  
ListItem.h  
LoadAverageMeter.c  
LoadAverageMeter.h  
Makefile.am  
Makefile.in  
MemoryMeter.c  
MemoryMeter.h  
Meter.c  
Meter.h  
MetersPanel.c  
MetersPanel.h  
NEWS  
Object.c  
Object.h  
OpenFilesScreen.c  
OpenFilesScreen.h  
Panel.c  
Panel.h  
Process.c  
Process.h  
ProcessList.c  
ProcessList.h  
README  
RichString.c  
RichString.h  
ScreenManager.c  
ScreenManager.h  
Settings.c  
Settings.h  
SignalsPanel.c  
SignalsPanel.h  
String.c  
String.h  
SwapMeter.c  
SwapMeter.h  
TasksMeter.c  
TasksMeter.h  
TraceScreen.c  
TraceScreen.h  
UptimeMeter.c  
UptimeMeter.h  
UsersTable.c  
UsersTable.h  
Vector.c  
Vector.h  
aclocal.m4  
autogen.sh  
compile  
config.guess  
config.h  
config.h.in  
config.sub  
configure  
configure.ac  
depcomp  
htop.1  
htop.1.in  
htop.c  
htop.desktop  
htop.h  
htop.png  
install-sh  
ltmain.sh  
m4  
missing  
scripts
```

3. Htop 소스로부터 빌드하기

```
CheckItem.c      IOPriorityPanel.h  ProcessList.c    UsersTable.h    missing
CheckItem.h      ListItem.c         ProcessList.h    Vector.c         scripts
ClockMeter.c     ListItem.h        README          Vector.h
dec7@dec7-VirtualBox:~/htop/htop-1.0.2$ .configure
```

3) .configure 실행

```
dec7@dec7-VirtualBox:~/htop/htop-1.0.2$ ./configure
checking for gcc... gcc
checking whether the C compiler works... yes
checking for C compiler default output file name... a.out
checking for suffix of executables...
checking whether we are cross compiling... no
checking for suffix of object files... o
checking whether we are using the GNU C compiler... yes
checking whether gcc accepts -g... yes
checking for gcc option to accept ISO C89... none needed
checking how to run the C preprocessor... gcc -E
checking for grep that handles long lines and -e... /bin/grep
checking for egrep... /bin/grep -E
checking for ANSI C header files... yes
```

```
CheckItem.h      ListItem.h         README          aclocal.m4      scripts
ClockMeter.c     LoadAverageMeter.c  RichString.c    autogen.sh      stamp-h1
ClockMeter.h     LoadAverageMeter.h  RichString.h    compile
dec7@dec7-VirtualBox:~/htop/htop-1.0.2$ make
```

4) make 실행

3. Htop 소스로부터 빌드하기

```
htop-IOPriority.o -lncursesw -lm
libtool: link: gcc -pedantic -Wall -Wextra -std=c99 -rdynamic -
etc\" -g -O2 -o htop htop-AvailableMetersPanel.o htop-Categorie
olorsPanel.o htop-ColumnsPanel.o htop-CPUMeter.o htop-CRT.o htc
htable.o htop-Header.o htop-htop.o htop-ListItem.o htop-LoadAv
MetersPanel.o htop-Object.o htop-Panel.o htop-BatteryMeter.o ht
htop-ScreenManager.o htop-Settings.o htop-IOPriorityPanel.o htc
op-TasksMeter.o htop-TraceScreen.o htop-UptimeMeter.o htop-User
o htop-AffinityPanel.o htop-HostnameMeter.o htop-OpenFilesScre
-lm
make[1]: Leaving directory `/home/dec7/htop/htop-1.0.2'
dec7@dec7-VirtualBox:~/htop/htop-1.0.2$ sudo make install
```

5) .관리자 권한을 통해 make install 실행

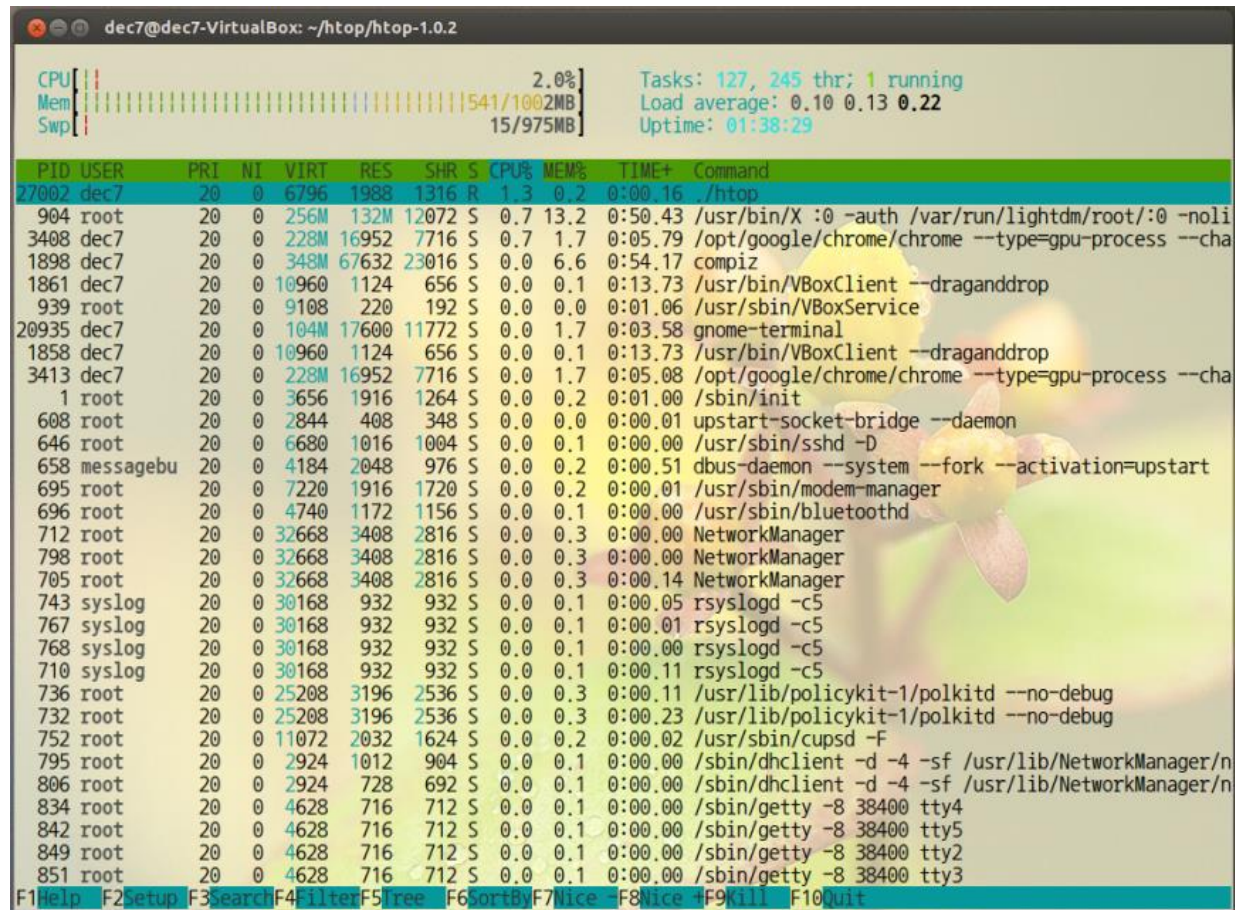
```
dec7@dec7-VirtualBox:~/htop/htop-1.0.2$ sudo make install
make install-am
make[1]: Entering directory `/home/dec7/htop/htop-1.0.2'
make[2]: Entering directory `/home/dec7/htop/htop-1.0.2'
test -z "/usr/local/bin" || /bin/mkdir -p "/usr/local/bin"
  /usr/bin/install -c htop '/usr/local/bin'
libtool: install: /usr/bin/install -c htop /usr/local/bin/htop
test -z "/usr/local/share/applications" || /bin/mkdir -p "/usr/local/share/applications"
  /usr/bin/install -c -m 644 htop.desktop '/usr/local/share/applications'
test -z "/usr/local/share/man/man1" || /bin/mkdir -p "/usr/local/share/man/man1"
  /usr/bin/install -c -m 644 htop.1 '/usr/local/share/man/man1'
test -z "/usr/local/share/pixmaps" || /bin/mkdir -p "/usr/local/share/pixmaps"
  /usr/bin/install -c -m 644 htop.png '/usr/local/share/pixmaps'
make[2]: Leaving directory `/home/dec7/htop/htop-1.0.2'
make[1]: Leaving directory `/home/dec7/htop/htop-1.0.2'
dec7@dec7-VirtualBox:~/htop/htop-1.0.2$
```

6) .설치완료

3. Htop 소스로부터 빌드하기

```
ColumnsPanel.h      OpenFilesScreen.c  autogen.sh          htop-LoadAverageMeter.o  scripts
DisplayOptionsPanel.c OpenFilesScreen.h  compile              htop-MemoryMeter.o       stamp-h1
DisplayOptionsPanel.h Panel.c             config.guess         htop-Meter.o
FunctionBar.c        Panel.h            config.h             htop-MetersPanel.o
FunctionBar.h         Process.c          config.h.in          htop-Object.o
Hashtable.c           Process.h          config.log           htop-OpenFilesScreen.o
dec7@dec7-VirtualBox:~/htop/htop-1.0.2$ ./htop
```

htop 실행 및 실행화면



4. 간단한 htop 사용방법

F1 : htop 사용법

```
dec7@dec7-VirtualBox: ~/htop/htop-1.0.2
htop 1.0.2 - (C) 2004-2011 Hisham Muhammad
Released under the GNU GPL. See 'man' page for more info.

CPU usage bar: [low-priority/normal/kernel/virtualiz          used%]
Memory bar:    [used/buffers/cache                          used/total]
Swap bar:      [used                                         used/total]
Type and layout of header meters are configurable in the setup screen.

Status: R: running; S: sleeping; T: traced/stopped; Z: zombie; D: disk sleep
Arrows: scroll process list          F5 t: tree view
Digits: incremental PID search      u: show processes of a single user
F3 /: incremental name search       H: hide/show user threads
F4 \: incremental name filtering    K: hide/show kernel threads
Space: tag processes               F: cursor follows process
U: untag all processes             + -: expand/collapse tree
F9 k: kill process/tagged processes P M T: sort by CPU%, MEM% or TIME
] F7: higher priority (root only)   i: set IO priority
[ F8: lower priority (+ nice)       I: invert sort order
F2 S: setup                        F6 >: select sort column
? F1 h: show this help screen      l: list open files with lsof
F10 q: quit                        s: trace syscalls with strace

Press any key to return.
```


4. 간단한 htop 사용방법

F3 : 검색기능

```
dec7@dec7-VirtualBox: ~/htop/htop-1.0.2

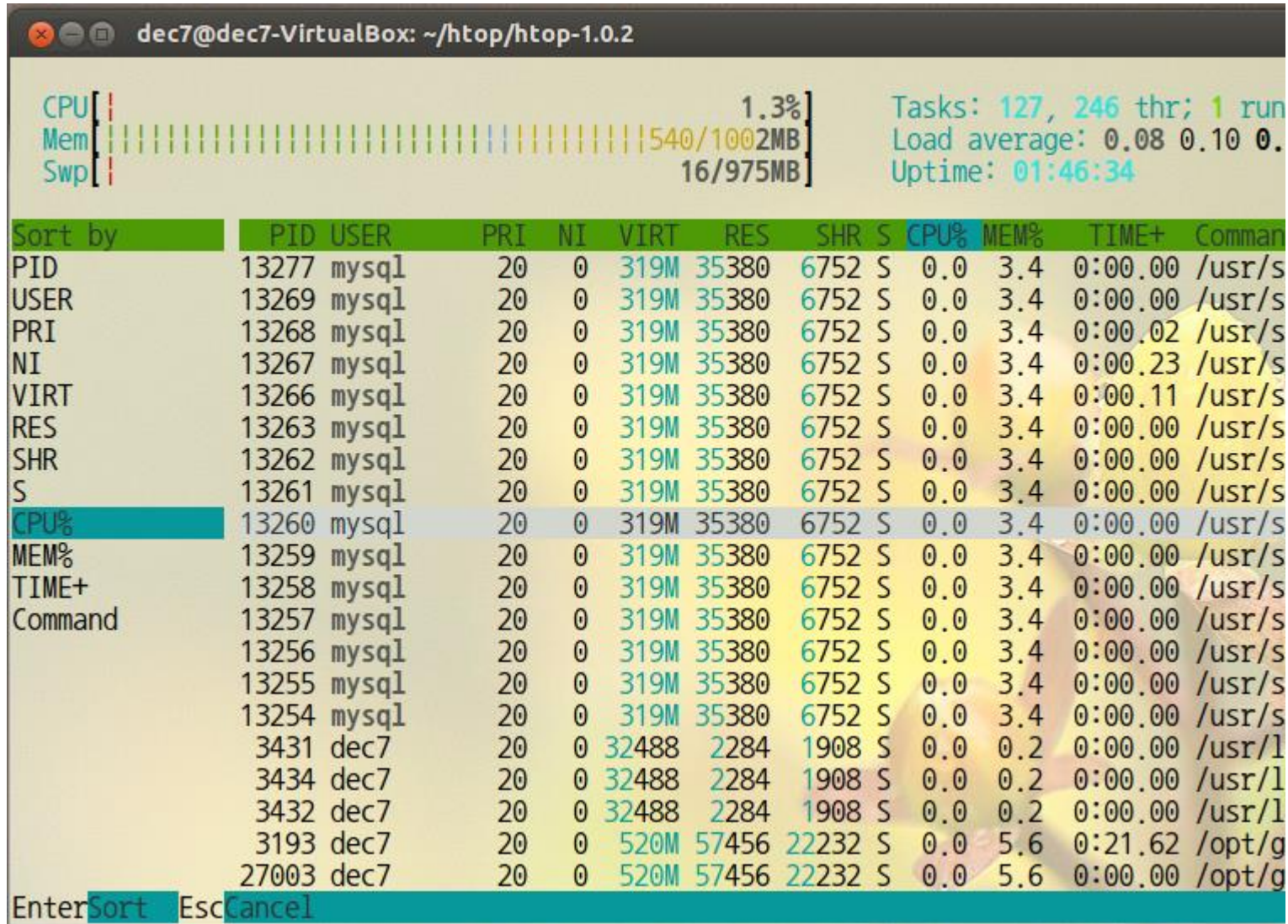
CPU 2.6% Tasks: 127, 246
Mem 540/1002MB Load average: 0
Swp 16/975MB Uptime: 01:43:4

PID USER PRI NI VIRT RES SHR S CPU% MEM% TIME+ Command
904 root 20 0 254M 128M 9824 S 0.0 12.8 0:51.95 /usr/bin/X
1898 dec7 20 0 375M 65700 20780 S 0.7 6.4 0:55.74 compiz
27002 dec7 20 0 6796 2016 1324 R 1.3 0.2 0:02.12 ./htop
20935 dec7 20 0 104M 17756 11772 S 0.0 1.7 0:04.21 gnome-term
2061 dec7 20 0 100M 19104 7424 S 0.0 1.9 0:05.15 /usr/lib/u
1858 dec7 20 0 10960 1124 656 S 0.0 0.1 0:14.46 /usr/bin/V
2042 dec7 20 0 36664 3100 2392 S 0.0 0.3 0:04.13 /usr/bin/i
2037 dec7 20 0 98M 17196 8016 S 0.0 1.7 0:02.76 /usr/bin/p
2021 dec7 20 0 50896 7120 4964 S 0.0 0.7 0:01.81 /usr/lib/b
1871 dec7 20 0 6572 3192 844 S 0.0 0.3 0:02.58 //bin/dbus
2074 dec7 20 0 64880 6496 3192 S 0.0 0.6 0:00.93 /usr/lib/i
2177 dec7 20 0 42192 6684 4780 S 0.0 0.7 0:00.46 gnome-scre
1861 dec7 20 0 10960 1124 656 S 0.0 0.1 0:14.45 /usr/bin/V
2034 dec7 20 0 36664 3100 2392 S 0.0 0.3 0:05.87 /usr/bin/i
3413 dec7 20 0 228M 14648 5412 S 0.0 1.4 0:05.41 /opt/googl
3408 dec7 20 0 228M 14648 5412 S 0.0 1.4 0:06.12 /opt/googl
13250 mysql 20 0 319M 35380 6752 S 0.0 3.4 0:00.55 /usr/sbin/
939 root 20 0 9108 220 192 S 0.0 0.0 0:01.11 /usr/sbin/
1921 dec7 20 0 202M 26216 12828 S 0.0 2.6 0:08.14 nautilus -
1037 root 20 0 34188 1104 1072 S 0.0 0.1 0:00.36 /usr/sbin/

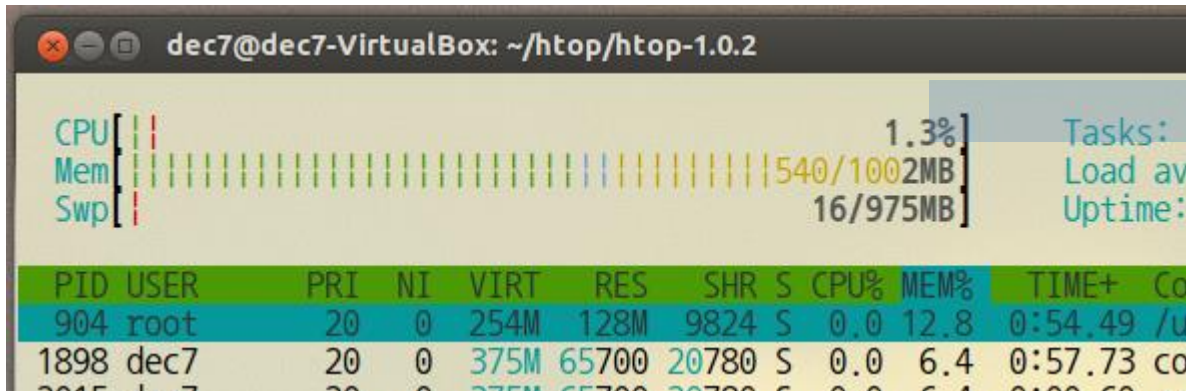
F3Next EscCancel Search: compiz
```

4. 간단한 htop 사용방법

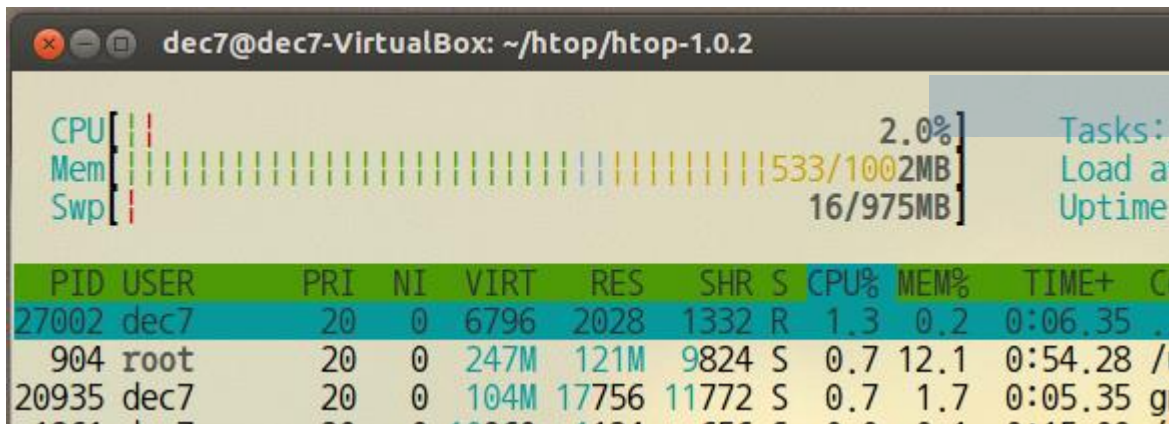
F6 : 정렬 방법 설정



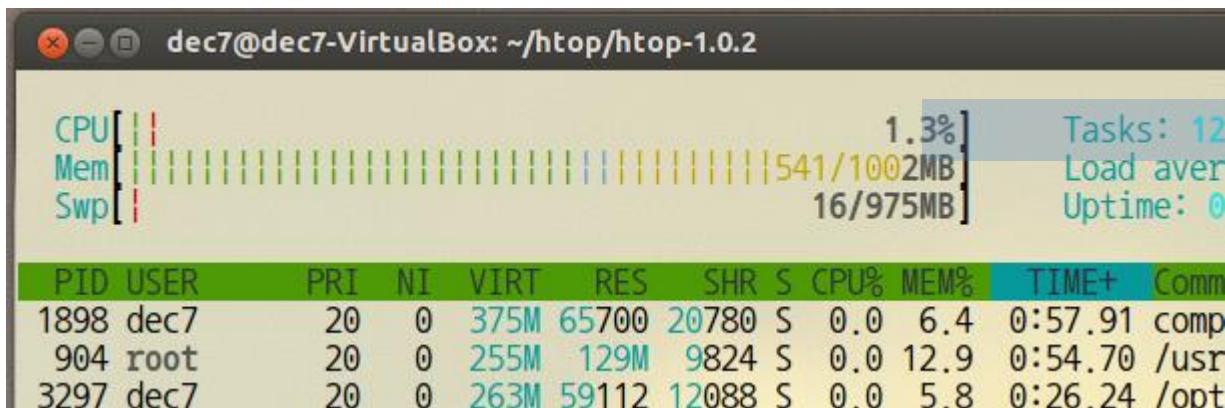
4. 간단한 htop 사용방법



M : 메모리 값으로 정렬



P : CPU 점유율 값으로 정렬



T : 시간순으로 정렬