

# [OS201][WEEK: 00][DEMO]

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**Login ke server Badak (badak.cs.ui.ac.id):**

```
mauludi.afina@badak: ~  
C:\Users\Administrator>ssh ali.irsyaad@kawung.cs.ui.ac.id 1  
ali.irsyaad@kawung.cs.ui.ac.id's password:  
  
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
Last login: Tue Jan 28 21:38:54 2020 from 125.161.136.198  
ali.irsyaad@kawung:~$ ssh ali.irsyaad@badak.cs.ui.ac.id 2  
ali.irsyaad@badak.cs.ui.ac.id's password:  
Linux badak 4.9.0-0.bpo.11-amd64 #1 SMP Debian 4.9.189-3+deb9u2~deb8u1 (2019-11-12) x86_64  
  
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
Last login: Tue Jan 28 21:39:09 2020 from 152.118.25.2  
mauludi.afina@badak:~$ *
```

1. Remote Access ke server kawung
2. Remote Access ke server badak

Badak merupakan server local ui sehingga hanya bisa di dalam jaringan ui. Maka dari itu terlebih dahulu remote access ke server kawung yang bersifat public dengan ssh lalu remote access ke server badak. Server kawung berada dalam satu jaringan dengan server badak sehingga hal ini dapat dilakukan.

\*terdapat kesalahan UID pada account saya di server badak sehingga namanya lain

## Copy directory demos ke home :

```
mauludi.afina@badak: ~/Demos/Week00
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Tue Jan 28 21:39:09 2020 from 152.118.25.2
mauludi.afina@badak:~$ cp -r /extra/Demos . 1
mauludi.afina@badak:~$ ls -al 2
total 32
drwxr-xr-x  3 mauludi.afina StafCS 4096 Jan 28 21:41 .
drwxr-xr-x 37 root              root 4096 Jan 28 21:28 ..
-rw-r--r--  1 mauludi.afina StafCS 2802 Jan 28 21:39 .bash_history
-rw-r--r--  1 mauludi.afina StafCS  220 Jan 27 08:18 .bash_logout
-rw-r--r--  1 mauludi.afina StafCS 3515 Jan 27 08:18 .bashrc
drwxr-xr-x 13 mauludi.afina StafCS 4096 Jan 28 21:41 Demos
-rw-r--r--  1 mauludi.afina StafCS  675 Jan 27 08:18 .profile
-rw-r--r--  1 mauludi.afina StafCS  630 Jan 28 12:46 .viminfo
mauludi.afina@badak:~$ cd Demos 3
mauludi.afina@badak:~/Demos$ ls -al
total 52
drwxr-xr-x 13 mauludi.afina StafCS 4096 Jan 28 21:41 .
drwxr-xr-x  3 mauludi.afina StafCS 4096 Jan 28 21:41 ..
drwxr-xr-x  2 mauludi.afina StafCS 4096 Jan 28 21:41 Week00
drwxr-xr-x  2 mauludi.afina StafCS 4096 Jan 28 21:41 Week01
drwxr-xr-x  4 mauludi.afina StafCS 4096 Jan 28 21:41 Week02
drwxr-xr-x  4 mauludi.afina StafCS 4096 Jan 28 21:41 Week03
drwxr-xr-x  2 mauludi.afina StafCS 4096 Jan 28 21:41 Week04
drwxr-xr-x  2 mauludi.afina StafCS 4096 Jan 28 21:41 Week05
drwxr-xr-x  2 mauludi.afina StafCS 4096 Jan 28 21:41 Week06
drwxr-xr-x  2 mauludi.afina StafCS 4096 Jan 28 21:41 Week07
drwxr-xr-x  2 mauludi.afina StafCS 4096 Jan 28 21:41 Week08
drwxr-xr-x  4 mauludi.afina StafCS 4096 Jan 28 21:41 Week09
drwxr-xr-x  2 mauludi.afina StafCS 4096 Jan 28 21:41 Week10
mauludi.afina@badak:~/Demos$ cd Week00
mauludi.afina@badak:~/Demos/Week00$ ls -al
total 1020
drwxr-xr-x  2 mauludi.afina StafCS  4096 Jan 28 21:41 .
drwxr-xr-x 13 mauludi.afina StafCS  4096 Jan 28 21:41 ..
-rw-r--r--  1 mauludi.afina StafCS  2247 Jan 28 21:41 000-READ-THIS-FIRST.txt
-rw-r--r--  1 mauludi.afina StafCS   938 Jan 28 21:41 c-program-example.c
-rw-r--r--  1 mauludi.afina StafCS   406 Jan 28 21:41 .head
-rw-r--r--  1 mauludi.afina StafCS   376 Jan 28 21:41 Makefile
-rw-r--r--  1 mauludi.afina StafCS 516235 Jan 28 21:41 QR-Code.docx
-rw-r--r--  1 mauludi.afina StafCS 188868 Jan 28 21:41 QR-Code.pdf
-rw-r--r--  1 mauludi.afina StafCS 306923 Jan 28 21:41 QR-Code.png
mauludi.afina@badak:~/Demos/Week00$
```

1. Copy directory (secara rekursif) ke current directory dalam hal ini home
2. List file / folder yang ada dalam current directory. Flag 'a' untuk include current directory dan parent directory dan flag 'l' untuk list lebih detail (permission, user creator, group, besar file, dan waktu terakhir diubah)
3. Memindahkan working directory ke suatu folder

## Menampilkan isi file:

```
mauludi.afina@badak: ~/Demos/Week00
mauludi.afina@badak:~/Demos/Week00$ clear
mauludi.afina@badak:~/Demos/Week00$ ls
000-READ-THIS-FIRST.txt  c-program-example.c  Makefile  QR-Code.docx  QR-Code.pdf  QR-Code.png
mauludi.afina@badak:~/Demos/Week00$ cat 000-READ-THIS-FIRST.txt 1
exit 1
This demo is available in badak:///extra/.
See also: https://os.vlsm.org/
You should copy this folder to your own working folder.
DO NOT work inside the "/extra" folder!
=====
REV07: Wed Mar 13 14:15:03 WIB 2019
REV03: Mon Aug 27 18:46:08 WIB 2018
START: Tue Feb 20 09:12:43 WIB 2018

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=====
```

```
mauludi.afina@badak: ~/Demos/Week00
mauludi.afina@badak:~/Demos/Week00$ gcc -o c-program-example-manual-compile c-program-example.c 2
mauludi.afina@badak:~/Demos/Week00$ ls
000-READ-THIS-FIRST.txt  c-program-example.c  c-program-example-manual-compile  Makefile  QR-Code.d
mauludi.afina@badak:~/Demos/Week00$ make 3
gcc -o c-program-example c-program-example.c
mauludi.afina@badak:~/Demos/Week00$ ls
000-READ-THIS-FIRST.txt  c-program-example  c-program-example.c  c-program-example-manual-compile
mauludi.afina@badak:~/Demos/Week00$ ./c-program-example-manual-compile
Hello World!
mauludi.afina@badak:~/Demos/Week00$ ./c-program-example 4
Hello World!
mauludi.afina@badak:~/Demos/Week00$ _
```

1. Program cat untuk menampilkan isi file
2. Program gcc untuk mencompile manual c file
3. Program make yang configurasinya disimpan di MakeFile yang mencompile c file
4. Run kedua executable program dan memperoleh hasil yang sama

Kesimpulan :

Mempelajari access ke server badak melalui ssh (Secure Shell) yaitu remote access melalui server kawung. Command2 dasar linux seperti cd, ls, pwd, cat, dll. Dan compile program c dan menjalankannya.