

**LAPORAN**  
**PRAKTEK ADMINISTARSI SISTEM**  
**CHANGING THE SHELL ENVIONMENT**  
**(MENGUBAH LINGKUNGAN SHELL)**



**SEMESTER 3**

**ALDO SPAMA PUTRA SUIR**

**2001082033**

**TEKNIK KOMPUTER 2B**

**JURUSAN TEKNOLOGI INFORMASI**  
**PROGRAM STUDI TEKNIK KOMPUTER**  
**POLITEKNIK NEGERI PADANG**  
**2021**

- 🚦 Ubah PS1 variabel shell pengguna siswa menjadi `[\u@\h\t\w]$` (ingat, **utk** menempatkan nilai PS 1 dalam tanda kutip dan masukkan spasi setelah tanda dolar). Ini akan menambah waktu untuk prompt.

1. Aktifkan workstation, gunakan perintah ssh untuk masuk ke servera.

```
student@servera:~
File Edit View Search Terminal Help
[kiosk@foundation0 ~]$ ssh student@workstation
Activate the web console with: systemctl enable --now cockpit.socket

Last login: Mon Oct 11 16:16:30 2021 from 172.25.250.250
[student@workstation ~]$ lab edit-shell start

Starting lab.

Preparing workstation for lab exercise work:

. Verifying that servera is running: ..... SUCCESS
. Creating the temporary file: ..... SUCCESS
. Backup ~/.bashrc ..... SUCCESS

[student@workstation ~]$ ssh student@servera
Activate the web console with: systemctl enable --now cockpit.socket

Last login: Mon Oct 11 16:16:48 2021 from 172.25.250.9
[student@servera ~]$
```

2. Gunakan Vim untuk mengedit ~/.bashrcfile konfigurasi

```
student@servera:~
File Edit View Search Terminal Help

E325: ATTENTION
Found a swap file by the name "~/.bashrc.swp"
    owned by: student   dated: Mon Oct 11 16:14:37 2021
    file name: ~/.bashrc
    modified: YES
    user name: student   host name: servera.lab.example.com
    process ID: 1536
While opening file "/home/student/.bashrc"
    dated: Mon Jan 14 05:10:18 2019

(1) Another program may be editing the same file.  If this is the case,
    be careful not to end up with two different instances of the same
    file when making changes.  Quit, or continue with caution.
(2) An edit session for this file crashed.
    If this is the case, use ":recover" or "vim -r /home/student/.bashrc"
    to recover the changes (see ":help recovery").
    If you did this already, delete the swap file "/home/student/.bashrc.swp"
    to avoid this message.

Swap file "~/.bashrc.swp" already exists!
[O]pen Read-Only, [E]dit anyway, [R]ecover, [D]elete it, [Q]uit, [A]bort:
```

3. Tambahkan PS1 variabel shell dan nilainya ke ~/.bashrcfile. Ingatlah untuk menyertakan spasi tambahan di akhir nilai yang kita tetapkan dan masukkan seluruh nilai dalam tanda kutip, termasuk spasi tambahan.

```
student@servera:~  
File Edit View Search Terminal Help  
# .bashrc  
  
# Source global definitions  
if [ -f /etc/bashrc ]; then  
    . /etc/bashrc  
fi  
  
# User specific environment  
PATH="$HOME/.local/bin:$HOME/bin:$PATH"  
  
PS1='[\u@\h \t \w]$ '  
export PATH  
  
# Uncomment the following line if you don't like systemctl's auto-paging feature  
:  
# export SYSTEMD_PAGER=  
  
# User specific aliases and functions  
~  
~  
~  
~  
-- INSERT -- 11,22 All
```

4. Keluar dari servera dan masuk lagi menggunakan perintah ssh untuk memperbarui prompt perintah.

```
[student@servera ~]$ exit  
logout  
Connection to servera closed.  
[student@workstation ~]$ ssh student@servera  
Activate the web console with: systemctl enable --now cockpit.socket  
  
Last login: Tue Oct 19 15:39:36 2021 from 172.25.250.9  
[student@servera ~]$
```

- 🌈 Tetapkan nilai ke variabel shell lokal. Nama variabel dapat berisi huruf besar kecil, angka, dan karakter garis bawah. Ambil nilai variabel.

1. Buat variabel baru yang disebut file dengan nilai tmp.zdkei083. the tmp.zdkei083file ada di studentdirektori home.

```
[student@servera ~]$ file=tmp.zdkei083  
[student@servera ~]$
```

2. Ambil nilai variabel.

```
[student@servera ~]$ file=tmp.zdkei083  
[student@servera ~]$ echo $file  
tmp.zdkei083  
[student@servera ~]$
```

3. Gunakan nama variabel file dan perintah ls-l untuk membuat daftar tmp.zdkei083file. Gunakan perintah rm dan filenama variabel untuk menghapus tmp.zdkei083file. Konfirmasi bahwa itu telah dihapus.

```
[student@servera ~]$ ls -l $file
-rw-rw-r--. 1 student student 0 Oct 19 15:39 tmp.zdkei083
[student@servera ~]$ rm $file
[student@servera ~]$ ls -l $file
ls: cannot access 'tmp.zdkei083': No such file or directory
[student@servera ~]$
```

4. Tetapkan nilai ke editor variabel. Gunakan satu perintah untuk membuat variabel menjadi variabel lingkungan.

```
[student@servera ~]$ export EDITOR=vim
[student@servera ~]$ echo $EDITOR
vim
[student@servera ~]$
```

5. Keluar dari servera.

```
[student@servera ~]$ exit
logout
Connection to servera closed.
[student@workstation ~]$
```

6. Finish

```
[student@workstation ~]$ lab edit-shell finish
Completing the lab on workstation:
  · Deleting the temporary file: ..... SUCCESS
  · Restore ~/.bashrc ..... SUCCESS
Lab finished.
```