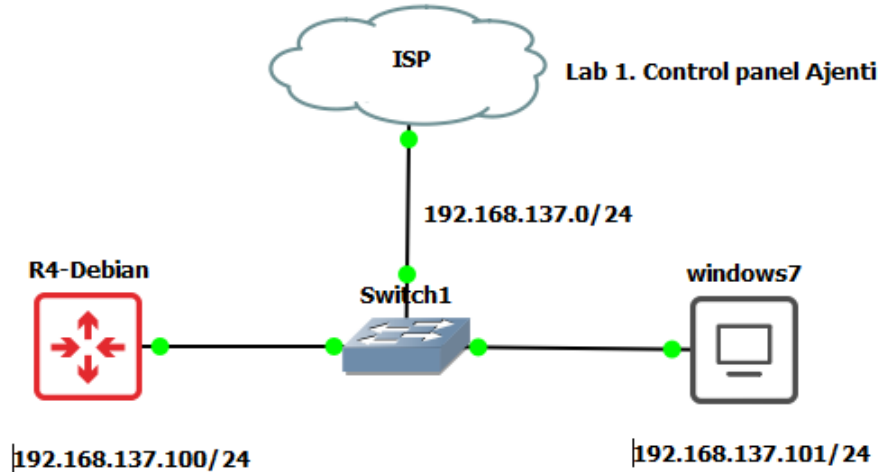


# Konfigurasi Control Panel Ajenti

1. Topology jaringan :



2. Setingan ip address dimana interface enp0s3 menggunakan ip static yang satu network dengan ip internet.

```
root@routerdaulae:/home/niko# cat /etc/network/interfaces
```

```
root@routerdaulae:/home/niko# cat /etc/network/interfaces
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
allow-hotplug enp0s3
iface enp0s3 inet static
    address 192.168.137.100/24
    gateway 192.168.137.1
    # dns-* options are implemented by the resolvconf package, if installed
    dns-nameservers 192.168.137.1
allow-hotplug enp0s8
iface enp0s8 inet static
    address 10.20.30.1/24
root@routerdaulae:/home/niko#
```

3. Repository local yang digunakan kebo vlsn.org.

```
root@routerdaulae:/home/niko# nano /etc/apt/sources.list
```

```
deb http://kebo.vlsn.org/debian/ stretch main contrib non-free
```

```
deb http://kebo.vlsm.org/debian/ stretch-updates main contrib non-free
```

```
deb http://kebo.vlsm.org/debian-security/ stretch/updates main contrib non-free
```

```
root@routerdaulae:/home/niko# cat /etc/apt/sources.list
#
# deb cdrom:[Debian GNU/Linux 9.5.0 _Stretch_ - Official i386 DVD Binary-1 20180714-11:11
]/ stretch contrib main
#deb cdrom:[Debian GNU/Linux 9.5.0 _Stretch_ - Official i386 DVD Binary-1 20180714-11:11]
/ stretch contrib main
#deb http://security.debian.org/debian-security stretch/updates main contrib
#deb-src http://security.debian.org/debian-security stretch/updates main contrib

# stretch-updates, previously known as 'volatile'
# A network mirror was not selected during install. The following entries
# are provided as examples, but you should amend them as appropriate
# for your mirror of choice.
#
# deb http://deb.debian.org/debian/ stretch-updates main contrib
# deb-src http://deb.debian.org/debian/ stretch-updates main contrib
deb http://kebo.vlsm.org/debian/ stretch main contrib non-free
deb http://kebo.vlsm.org/debian/ stretch-updates main contrib non-free
deb http://kebo.vlsm.org/debian-security/ stretch/updates main contrib non-free
root@routerdaulae:/home/niko#
```

4. Tambahkan repo ajenti terlebih dahulu dengan perintah :

```
root@routerdaulae:/home/niko# wget http://repo.ajenti.org/debian/key -O- | apt-key add -
```

```
root@routerdaulae:/home/niko# wget http://repo.ajenti.org/debian/key -O- | apt-key add -
--2020-06-28 05:40:30-- http://repo.ajenti.org/debian/key
Resolving repo.ajenti.org (repo.ajenti.org)... 151.139.236.224
Connecting to repo.ajenti.org (repo.ajenti.org)|151.139.236.224|:80... connected
.
HTTP request sent, awaiting response... Read error (Connection reset by peer) in
headers.
Retrying.

--2020-06-28 05:40:31-- (try: 2) http://repo.ajenti.org/debian/key
Connecting to repo.ajenti.org (repo.ajenti.org)|151.139.236.224|:80... connected
.
HTTP request sent, awaiting response... 200 OK
Length: 1716 (1.7K) [application/octet-stream]
Saving to: 'STDOUT'

-          100%[=====>] 1.68K --.-KB/s  in 0s

2020-06-28 05:40:32 (142 MB/s) - written to stdout [1716/1716]

OK
```

5. Tambahkan repository ajenti pada source.list

```
root@routerdaulae:/home/niko# echo "deb http://repo.ajenti.org/debian main main
deb http://repo.ajenti.org/debian main main debian" | tee -a /etc/apt/sources.list
```

```
root@routerdaulae:/home/niko# echo "deb http://repo.ajenti.org/debian main main
deb http://repo.ajenti.org/debian main main debian" | tee -a /etc/apt/sources.list
deb http://repo.ajenti.org/debian main main debian
root@routerdaulae:/home/niko#
```

6. Update paket tersebut maka akan terlihat dua repository : pens dan ajenti.

```
root@routerdaulae:/home/niko# apt update
```

```

root@routerdaulae:/home/niko# apt update
Ign:1 http://kebo.pens.ac.id/debian stretch InRelease
Hit:2 http://kebo.pens.ac.id/debian stretch-updates InRelease
Hit:3 http://kebo.pens.ac.id/debian-security stretch/updates InRelease
Hit:4 http://kebo.pens.ac.id/debian stretch Release
Get:5 http://repo.ajenti.org/debian main InRelease [11.7 kB]
Get:7 http://repo.ajenti.org/debian main/main i386 Packages [7,250 B]
Get:8 http://repo.ajenti.org/debian main/debian i386 Packages [2,621 B]
Fetched 21.5 kB in 1s (10.9 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
93 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@routerdaulae:/home/niko#

```

## 7. Menginstal paket ajenti :

```
root@routerdaulae:/home/niko# apt install ajenti
```

```

root@routerdaulae:/home/niko# apt install ajenti
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  apt-show-versions docutils-common docutils-doc gir1.2-glib-2.0 libapt-pkg-perl
  libdbus-glib-1-2 libgirepository-1.0-1 libglib2.0-0 libglib2.0-data libjbig0
  libjpeg62-turbo liblcms2-2 libpaper-utils libpaper1 libtiff5 libwebp6 libwebpdemux2
  libwebpmux2 libxslt1.1 python-bs4 python-catcher python-ccfi-backend python-chardet
  python-cryptography python-daemon python-dbus python-docutils python-enum34
  python-exconsole python-gevent python-gevent-socketio python-gevent-websocket
  python-gi python-greenlet python-httplib python-idna python-imaging python-ipaddress
  python-ldap python-lockfile python-lxml python-mako python-markupsafe python-openssl
  python-passlib python-pil python-pkg-resources python-psutil python-pyasn1
  python-pygments python-reconfigure python-requests python-roman python-setuptools
  python-six python-support python-urllib3 python-webencodings shared-mime-info
  xdg-user-dirs
Suggested packages:
  liblcms2-utils python-cryptography-doc python-cryptography-vectors python-dbus-dbg
  python-dbus-doc fonts-linuxlibertine | ttf-linux-libertine texlive-lang-french
  texlive-latex-base texlive-latex-recommended python-enum34-doc python-gevent-doc
  python-gevent-dbg python-gi-cairo python-greenlet-doc python-greenlet-dev

```

## 8. Tunggu sampai muncul sertifikat key dengan default port 8000 dan username : root dan default password admin.

```

:: Generating certificate
Signature ok
subject=C = US, ST = NA, L = Nowhere, O = Acme Inc, OU = IT, CN = routerdaulae
Getting Private key
:: SSL configured!
-----
Now start Ajenti with 'service ajenti restart'
Ajenti will listen on HTTPS port 8000 by default

Default username : root
Default password : admin
-----
Processing triggers for libc-bin (2.24-11+deb9u3) ...
Processing triggers for python-support (1.0.15) ...
Processing triggers for systemd (232-25+deb9u4) ...
root@routerdaulae:/home/niko#

```

## 9. Merubah terlebih dahulu acces controlnya dengan cara ctrl +W cari 3600 kemudian berikan tanda “ pada angka 3600”.

```
root@routerdaulae:/home/niko#  
/usr/share/pyshared/socketio/transports.py
```

nano

```
GNU nano 2.7.4 File: /usr/share/pyshared/socketio/transports.py Modified
```

```
    ``close_timeout``.  
  
    """  
    self.content_type = ("Content-Type", "text/plain; charset=UTF-8")  
    self.headers = [  
        ("Access-Control-Allow-Origin", "*"),  
        ("Access-Control-Allow-Credentials", "true"),  
        ("Access-Control-Allow-Methods", "POST, GET, OPTIONS"),  
        ("Access-Control-Max-Age", "3600"),  
    ]  
    self.handler = handler  
    self.config = config  
  
def write(self, data=""):  
    # Gevent v 0.13  
    if hasattr(self.handler, 'response_headers_list'):  
        if 'Content-Length' not in self.handler.response_headers_list:
```

10. Lakukan perubahan yang sama pada handler.py: "3600"

```
root@routerdaulae:/home/niko# nano /usr/share/pyshared/socketio/handler.py
```

```
GNU nano 2.7.4 File: /usr/share/pyshared/socketio/handler.py Modified
```

```
    ]  
    self.result = ['io.j[%s]("%s");' % (wrapper, data)]  
  
def write_plain_result(self, data):  
    self.start_response("200 OK", [  
        ("Access-Control-Allow-Origin", self.environ.get('HTTP_ORIGIN', '*')),  
        ("Access-Control-Allow-Credentials", "true"),  
        ("Access-Control-Allow-Methods", "POST, GET, OPTIONS"),  
        ("Access-Control-Max-Age", "3600"),  
        ("Content-Type", "text/plain"),  
    ])  
    self.result = [data]  
  
def write_smart(self, data):  
    args = urlparse.parse_qs(self.environ.get("QUERY_STRING"))
```

11. Cek status service ajenti :

```
root@routerdaulae:/home/niko# service ajenti status
```

```
root@routerdaulae:/home/niko# service ajenti status  
● ajenti.service - LSB: Ajenti  
   Loaded: loaded (/etc/init.d/ajenti; generated; vendor preset: enabled)  
   Active: active (running) since Sun 2020-06-28 06:14:43 WIB; 28min ago  
     Docs: man:systemd-sysv-generator(8)  
    CGroup: /system.slice/ajenti.service  
            └─10673 /usr/bin/python /usr/bin/ajenti-panel -d  
  
Jun 28 06:14:42 routerdaulae systemd[1]: Starting LSB: Ajenti...  
Jun 28 06:14:42 routerdaulae ajenti[10667]: Starting Ajenti:  
Jun 28 06:14:43 routerdaulae ajenti[10667]: 2020-06-28 06:14:43,850 INFO ajenti-panel  
Jun 28 06:14:43 routerdaulae ajenti[10667]: started.  
Jun 28 06:14:43 routerdaulae systemd[1]: Started LSB: Ajenti.  
lines 1-12/12 (END)
```

12. Restart service ajenti :

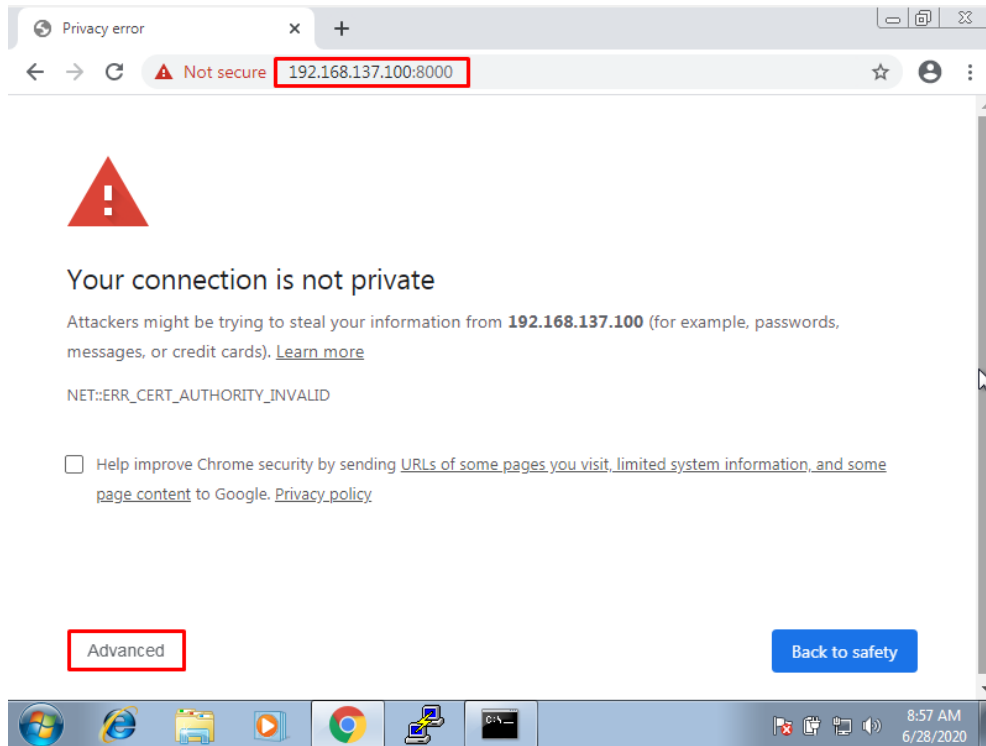
Ajenti SMKN 1 Kota Bekasi

Nikmah Daulae, S.Pd

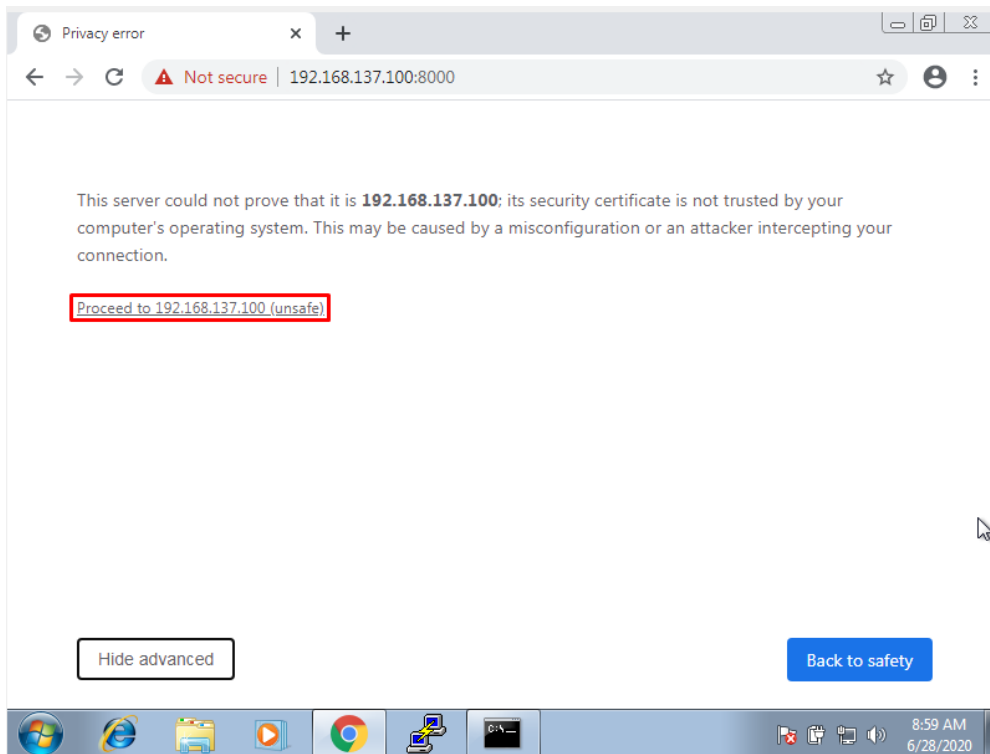
***root@routerdaulae:/home/niko# service ajenti restart***

**Verifikasi :**

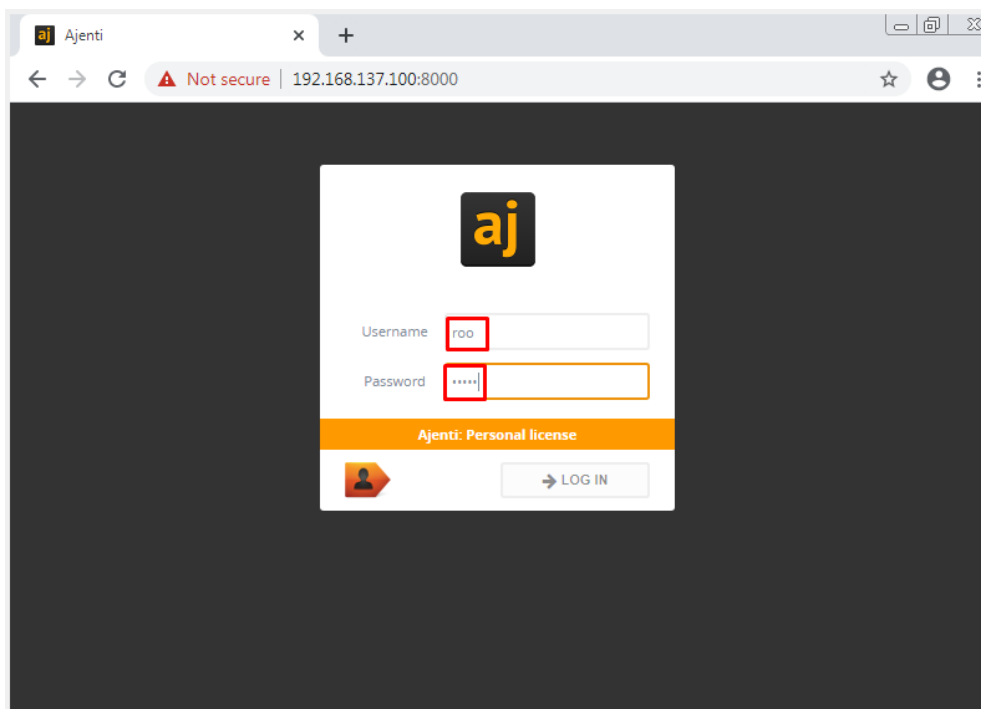
1. Buka pada windows client disini digunakan windows 7 sebagai client. Kemudian masuk ke web browser masukkan alamat : <https://192.168.137.100:8000>



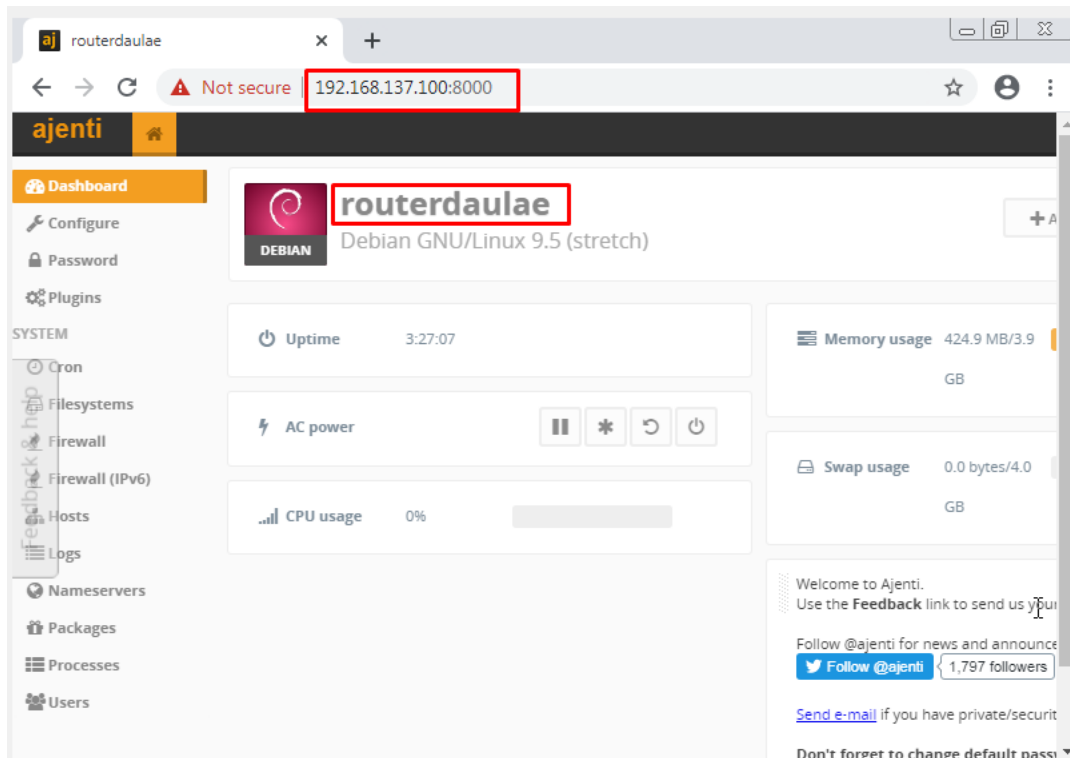
2. Klik advanced kemudian klik process to 192.168.137.100(unsafe).



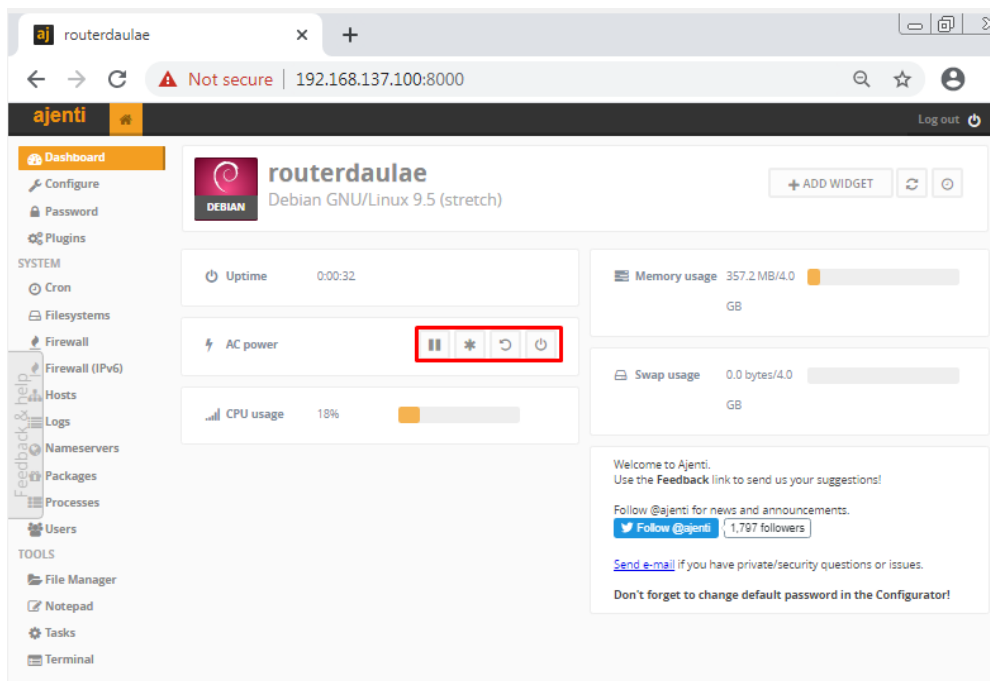
3. Kemudian akan masuk ke web tampilan ajenti. Isikan username dan password yang sudah diberikan. Dimana username default : root dan password default : admin



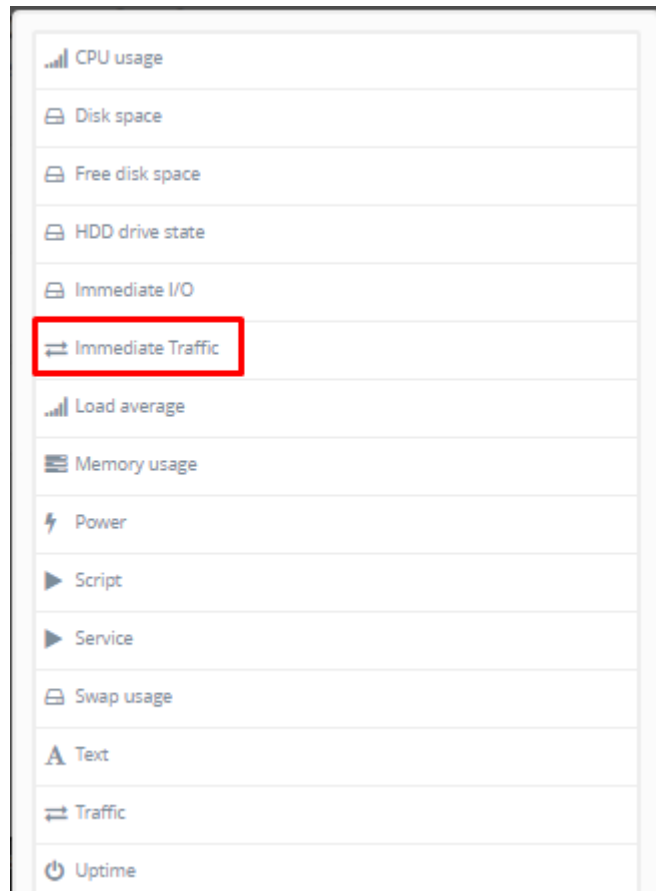
4. Tampilan dashboard sudah muncul seperti gambar berikut ini :



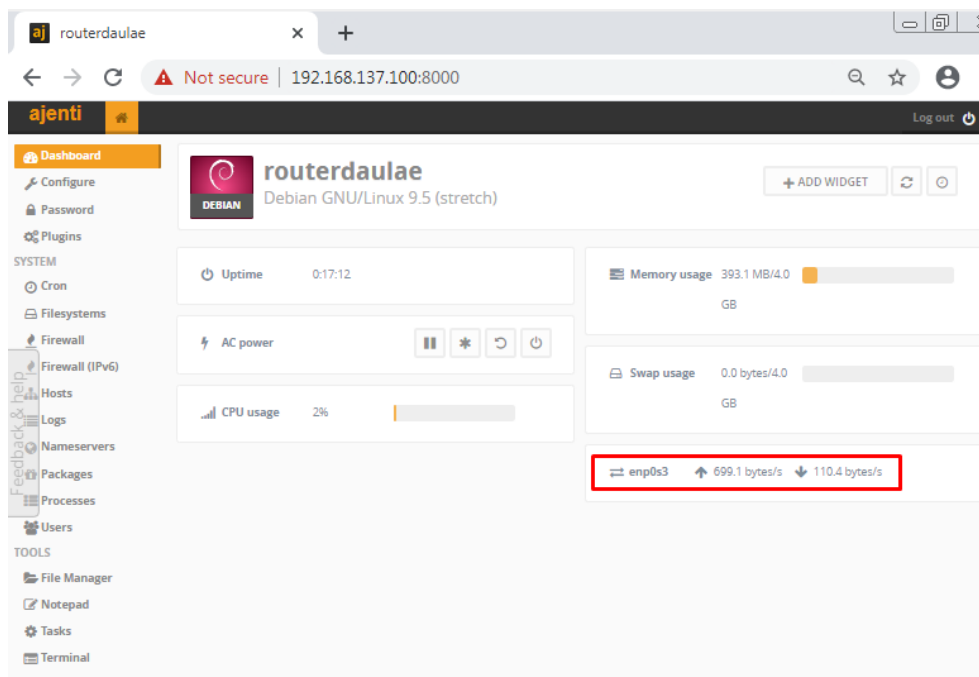
5. Pada tampilan dashboard kita bisa juga mengklik ac power yang berfungsi untuk suspend, hibernate, restart, dan poweroff server kita dengan berbasis GUI.



6. Kemudian pada sebelah kanan kita bisa menambahkan widget sesuai dengan yang diinginkan dalam hal ini menambahkan tampilan trafik.

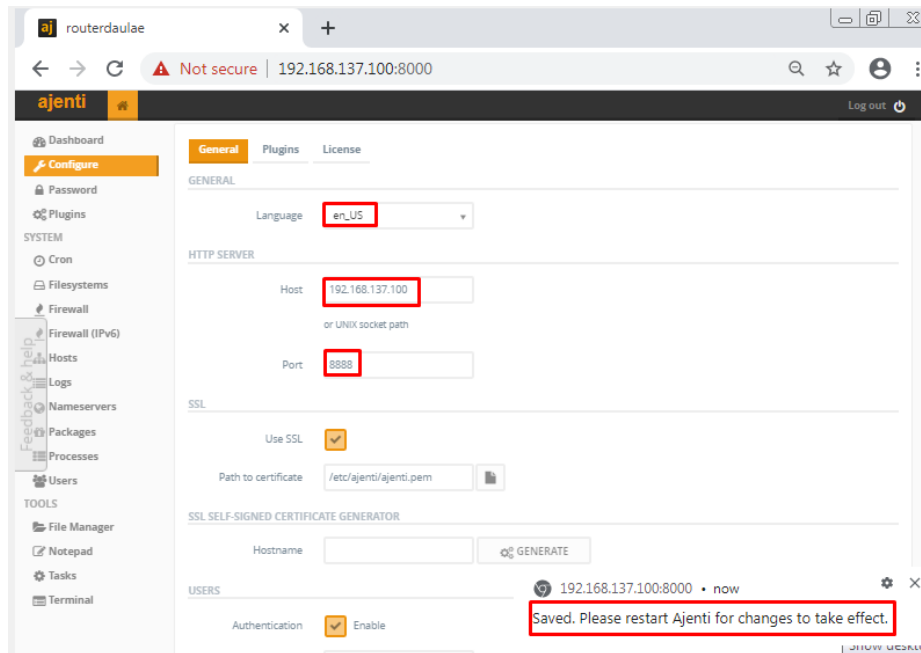


7. Kita bisa melihat trafik berdasarkan interface yang kita daftarkan dalam hal ini interface enp0s3 dimana uploadnya 699.1 byte dan downloadnya 110.4 byte :

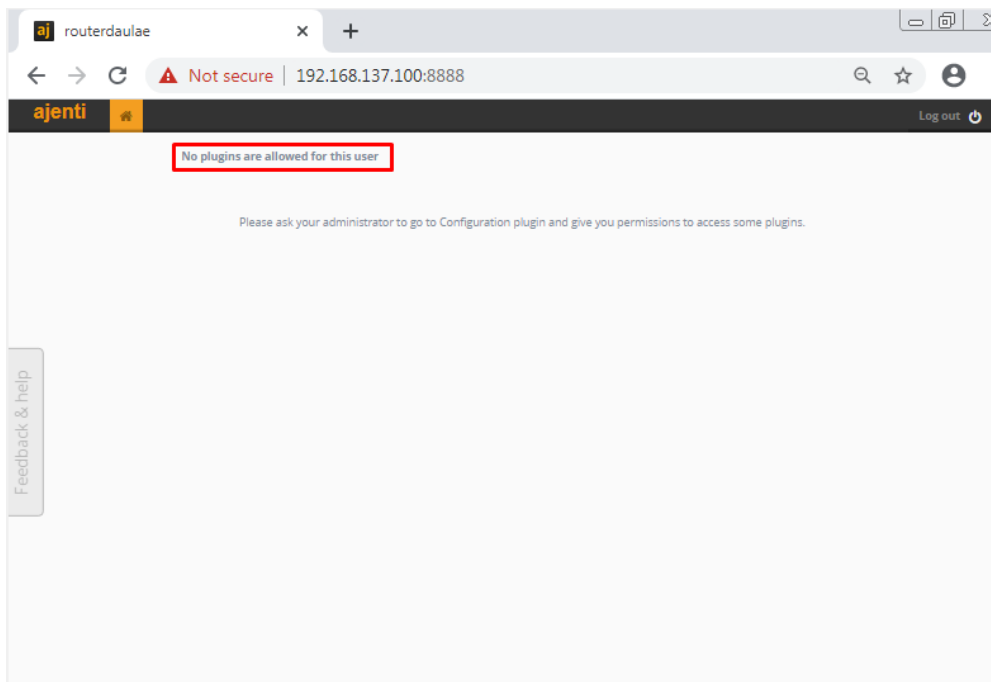




8. Pada tab configure kita bisa merubah Bahasa, memasukkan ip host dan merubah port default serta merubah nama user root default.

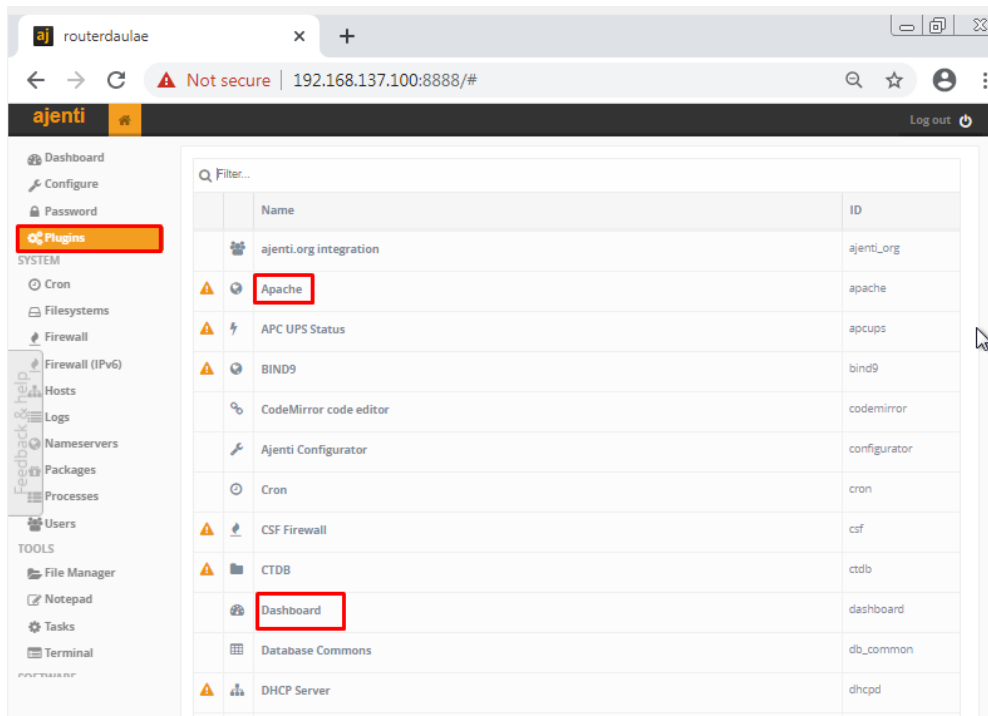


9. Ketika kita menambahkan user maka akan muncul bahwa user tersebut belum diijinkan untuk mengakses plugin.

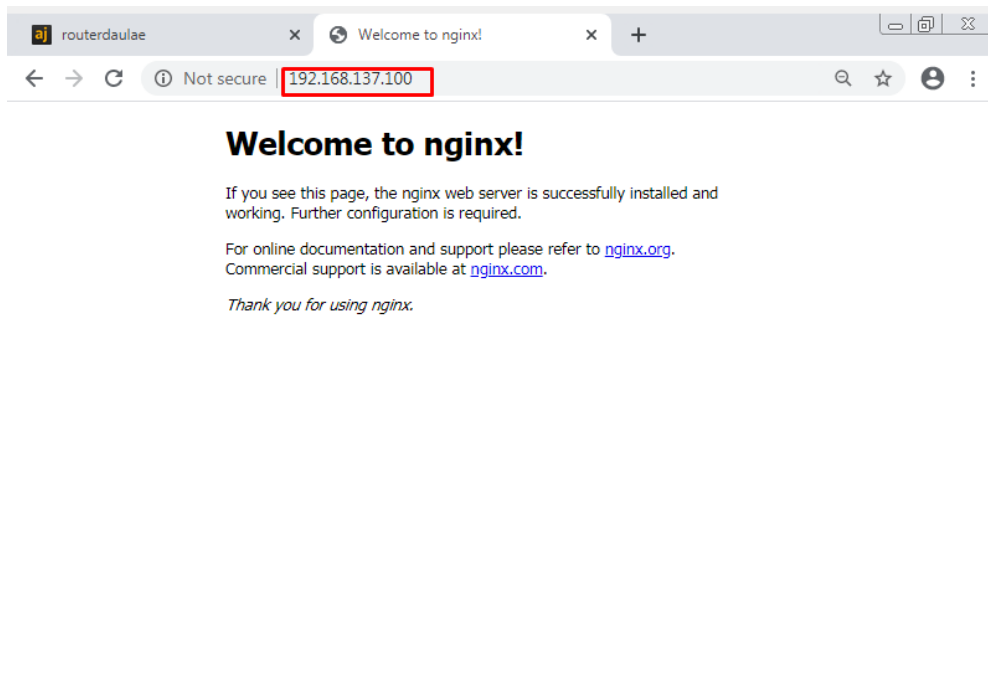


10. Kemudian logout Kembali dan login sebagai administrator

11. Selanjutnya pada tab plugin sistem akan menampilkan aplikasi plugin yang terinstall dan tersedia pada ajenti



12. Tambahkan salah satu plugin nginx kemudian tampilkan hasilnya seperti berikut ini :



### TUGAS :

1. Buatlah tutorial tentang control panel ajenti dimana ip address yang digunakan sesuaikan nama anda kemudian rubah default username dan password ajenti.
2. Rubah port default menjadi no absensi anda.
3. Tambahkan plugin nginx dan samba dan tampilkan bentuk outputnya sesuai dengan halaman web anda.