PVE LXC??PNETLAB

> **PVE**內安裝 **PNETLAB**可建立 **VM**正常安裝，但是虛擬機在 **PVE**
> 裡經過多層虛擬化效能不佳，故使用 **CT**安裝來接近本機效能

????

- **PVE 7**
- **LXC ubuntu-18.04**

PVE??

確認 **PVE**已安裝 **openvswitch-switch**

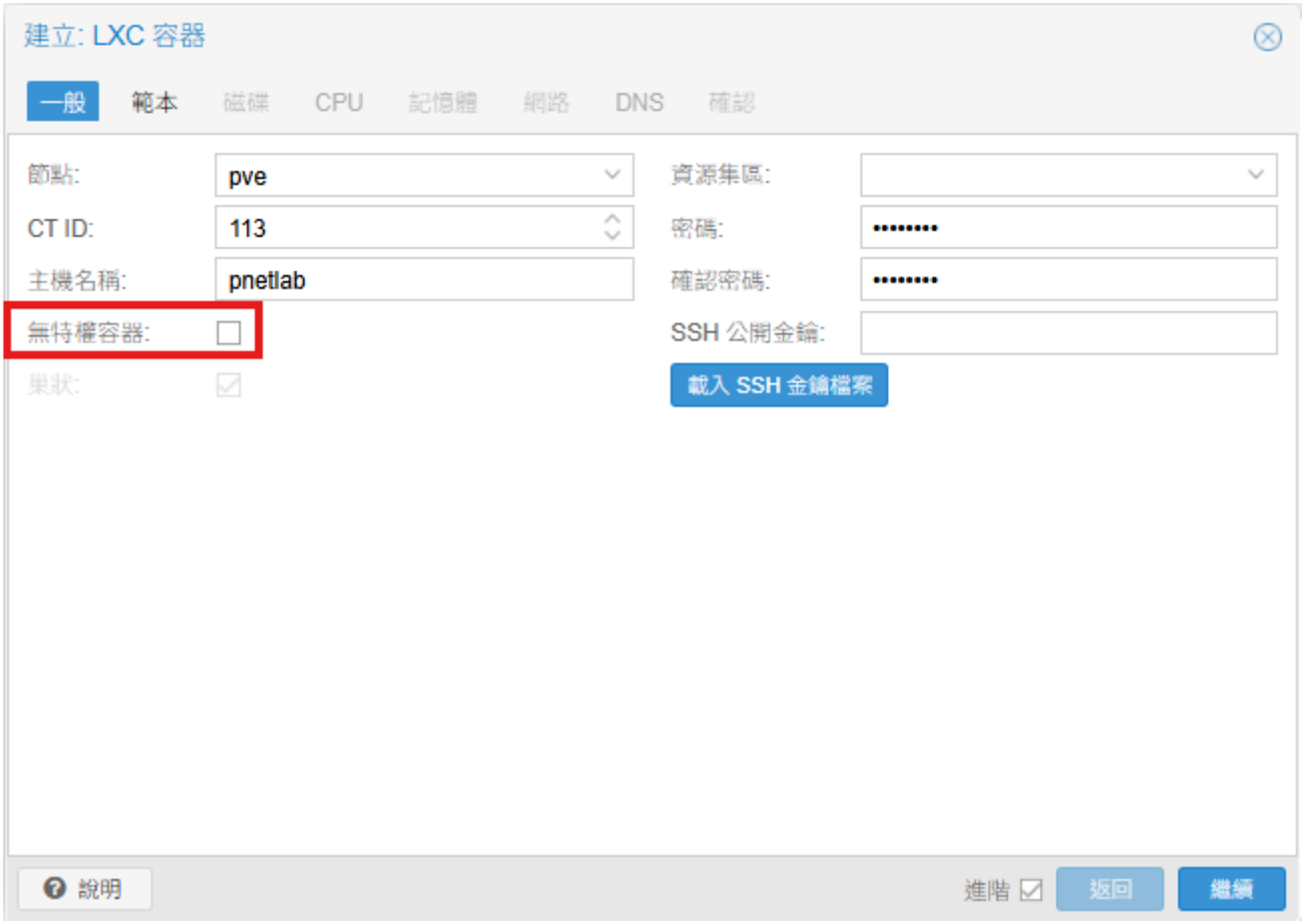
```
systemctl status openvswitch-switch
```

若未安裝執行

```
apt update
apt install openvswitch-switch
```

??CT

取消勾選 無特權容器，範本選擇 **ubuntu-18.04**，建立容器後選擇不開機



□□ **PVE SHELL□□ LXC□□□□□** `/etc/pve/lxc/<lxc-id>.conf` □□□□□□□□□□ **CT**

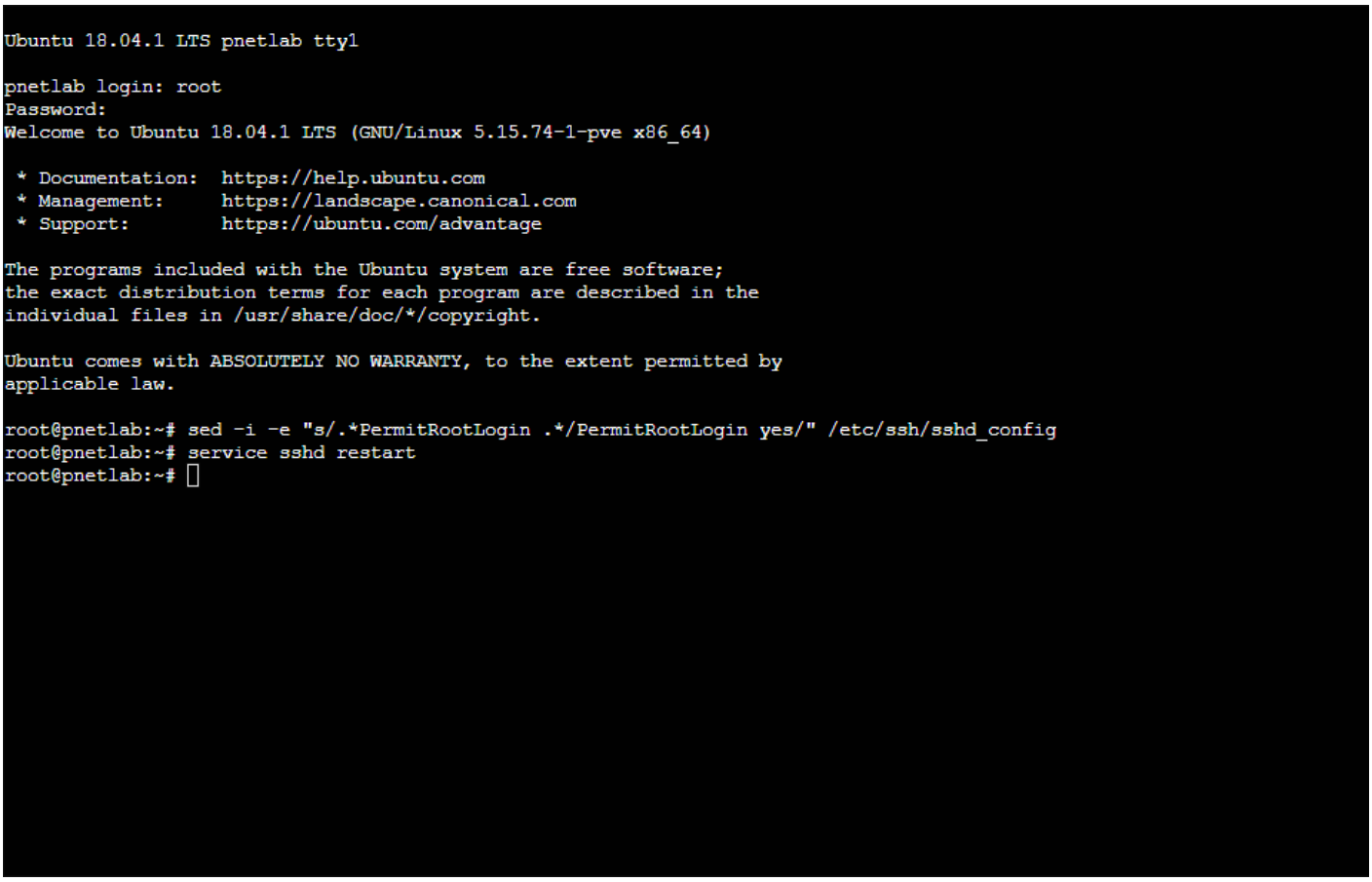
```
features: nesting=1
lxc.cgroup2.devices.allow: c 10:200 rwm
lxc.mount.entry: /dev/net/tun dev/net/tun none bind,create=file
lxc.cgroup2.devices.allow: c 10:232 rwm
lxc.mount.entry: /dev/kvm dev/kvm none bind,create=file
```

??PNETLAB

PVE□□□□□ CT□□□□□□□ root SSH□□

```
sed -i -e "s/.*PermitRootLogin .*/PermitRootLogin yes/" /etc/ssh/sshd_config


service sshd restart
```



□□□□ PNETLAB□□□ `/etc/apt/sources.list`□□ repository

```
deb [trusted=yes] http://repo.pnetlab.com ./
```

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```
echo "nameserver 8.8.8.8" > /etc/resolv.conf
apt-get update
apt-get purge netplan.io
apt-get install pnetlab -y
```

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```
To activate the new configuration, you need to run:
  systemctl restart apache2
Considering dependency proxy for proxy_html:
```

```
Enabling module proxy.
Considering dependency xml2enc for proxy_html:
Enabling module xml2enc.
Enabling module proxy_html.
To activate the new configuration, you need to run:
  systemctl restart apache2
```

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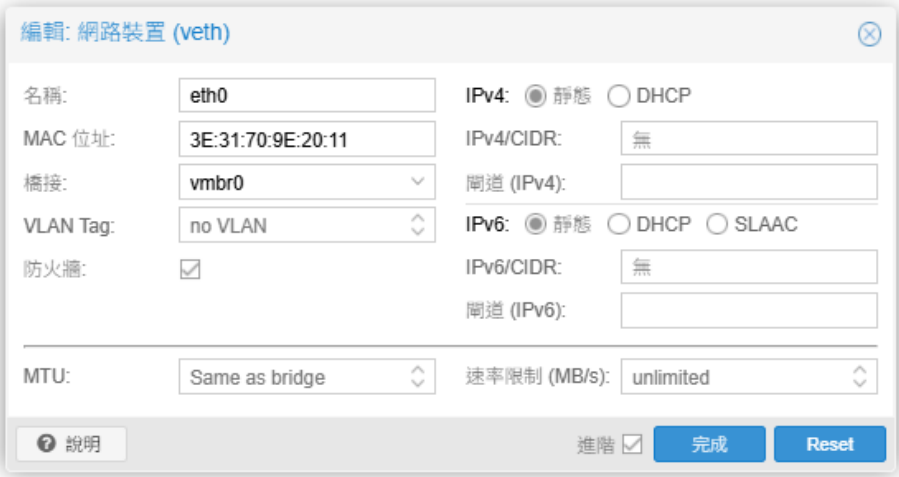

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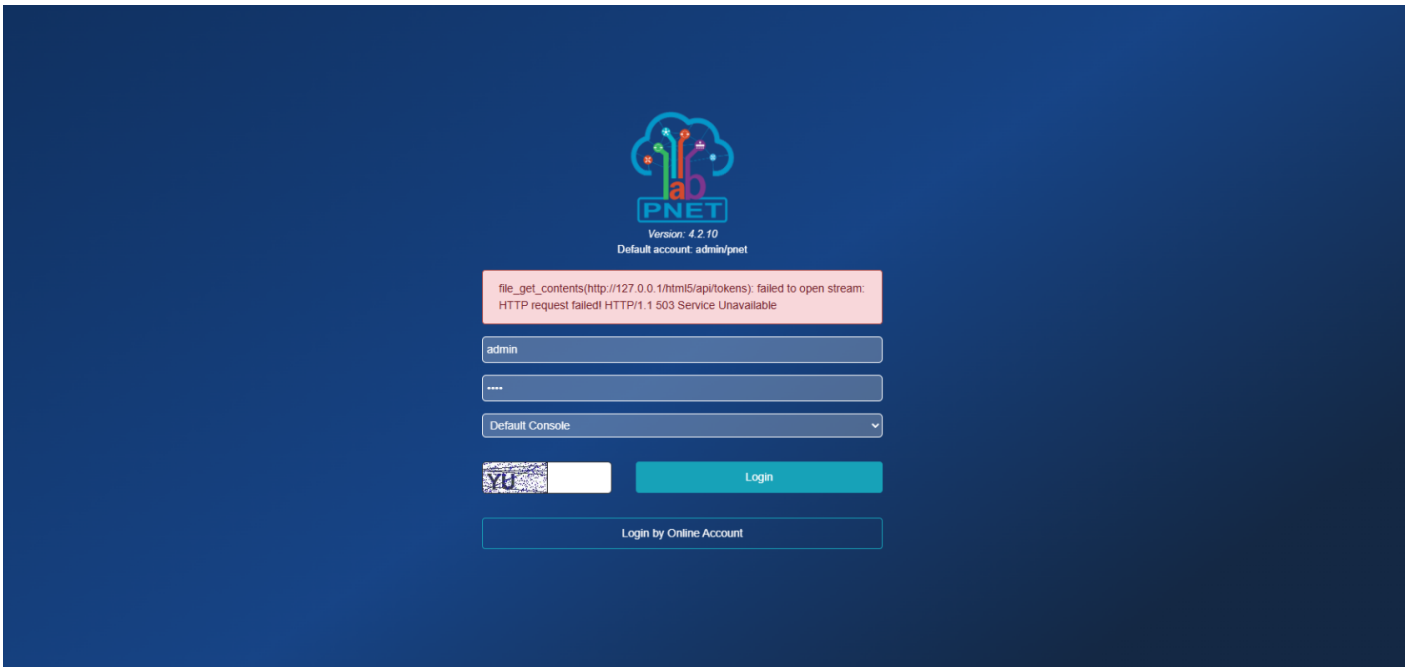
□□□ file_get_contents□□

> **file_get_contents(http://127.0.0.1/html5/api/tokens): failed to open stream: HTTP request failed! HTTP/1.1 5XX Service Unavailable**



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```
sed -i '/skip_ssl/d' /etc/mysql/mysql.conf.d/mysqld.cnf
echo "skip_ssl" >> /etc/mysql/mysql.conf.d/mysqld.cnf
service mysql restart
```

qemu□□□□ net-tools

```
apt install net-tools
```

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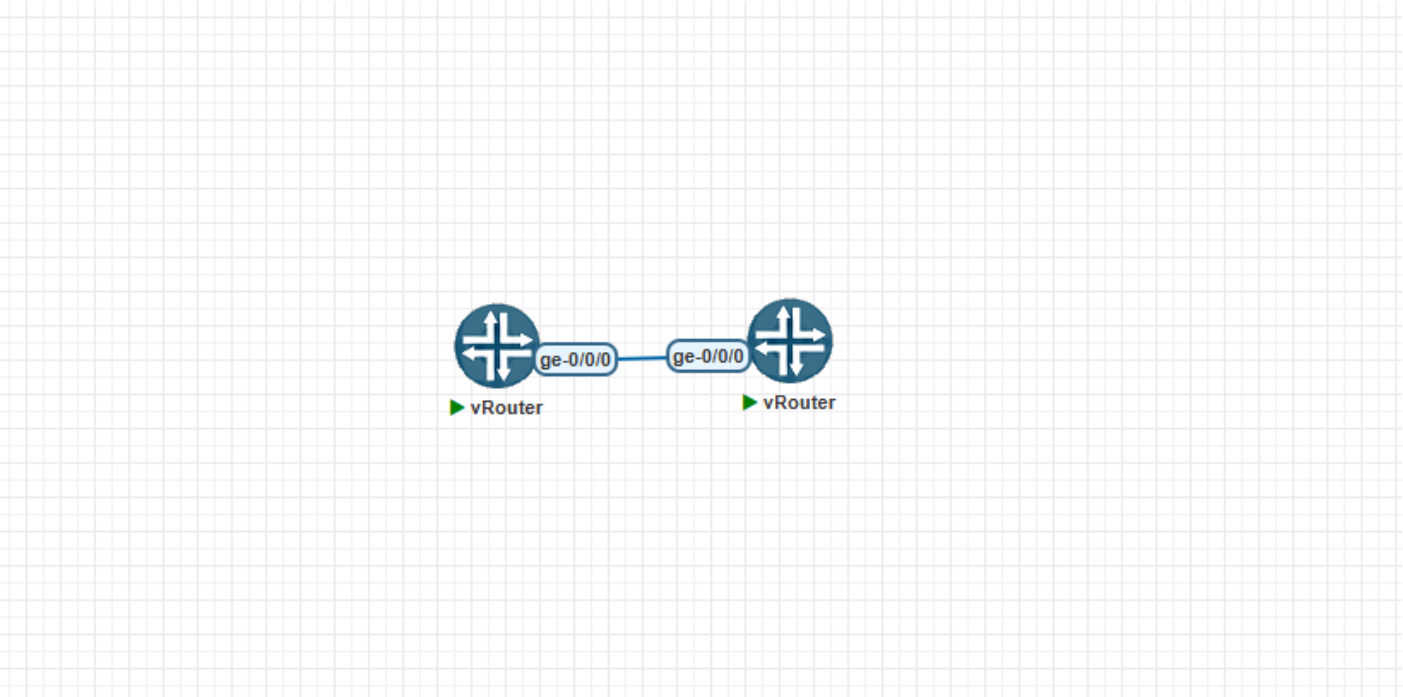

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```
tail -f /opt/unetlab/data/Logs/unl_wrapper.txt
```

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