OxOffice Online main program installation instructions

This document will explain how to install OxOOL (OxOffice Online) from scratch.

- Installation guide for CentOS 7 (Community edition)
- Installation guide for Ubuntu 18.04 (Community edition)
- Installation guide for CentOS 7 in PVE LXC (Community edition)
- Installation guide for Ubuntu 18.04 in PVE LXC (Community edition)
- Installation guide for OxOffice Online v4 Community on CentOS 7
- Installation guide for OxOffice Online v4 Community on Rocky Linux 8
- Installation guide for OxOffice Online v4 Community on Ubuntu 20.04
- Installation guide for OxOffice Online v4 Community on CentOS 7 in PVE LXC
- Installation guide for OxOffice Online v4 Community on Rocky Linux 8 in PVE LXC
- Installation guide for OxOffice Online v4 Community on Ubuntu 20.04 in PVE LXC
- Installation guide for OxOffice Online v5 Community on Rocky Linux 8
- Installation guide for OxOffice Online v5 Community on Ubuntu 24.04

Installation guide for CentOS 7 (Community edition)

Please download and install the latest version of CentOS 7.

- Reboot and login as root. Then run the following commands to install needed programs and OxOOL Community edition

```
yum update -y
yum install vim net-tools unzip wget -y
cd /etc/yum.repos.d
wget http://www.oxoffice.com.tw/yum.repo/oxool-community.repo
yum update -y
yum groupinstall "OxOOL Community Group" -y
```

- Turn off SELinux

```
vim /etc/selinux/config # You can choose any preferred text editor to edit this file
# Search "SELinux=enforcing" line, and change "enforcing" to "disabled" or "permissive" then save and quit
```

- Configure firewalld and open the default 9980 port

```
firewall-cmd --zone=public --permanent --add-service=http
firewall-cmd --zone=public --permanent --add-port=9980/tcp
```

- Start OxOOL Community edition service when booting

```
systemctl enable oxool
reboot
```

- Reboot, login as root, and check if OxOOL Community edition starts normally

```
netstat -tlnp
```

You should get some results like this:

```
tcp      0    0    127.0.0.1:9981□  0.0.0.0:*□LISTEN   644/oxool
tcp6     0    0    :::9980□□      :::*   □LISTEN   644/oxool
```

Congratulations and enjoy!

Installation guide for Ubuntu 18.04 (Community edition)

Please download and install the latest version of Ubuntu 18.04.

- Reboot and login as a normal user. Then run the following commands to install needed programs and OxOOL Community edition

```
sudo apt update
sudo apt upgrade -y
sudo apt install vim openssh-server net-tools curl -y
# Chooese yes if you get any service restarting prompts

curl http://www.oxoffice.com.tw/apt/ubuntu/oxool-deb.key | sudo apt-key add
echo "deb [arch=amd64] http://www.oxoffice.com.tw/apt/ubuntu/ oxool-v3 main" > ~/oxool.list
sudo mv ~/oxool.list /etc/apt/sources.list.d/
sudo apt update
sudo apt install oxool oxoffice* -y
```

- Start OxOOL Community edition service when booting

```
sudo systemctl enable oxool
sudo reboot
```

- Reboot, login as a normal user, and check if OxOOL Community edition starts normally

```
sudo netstat -tlnp
```

You should get some results like this:

```
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program
name
tcp        0      0 127.0.0.1:9981          0.0.0.0:*               LISTEN
22383/oxool
tcp6       0      0 :::9980                 :::*                    LISTEN
```

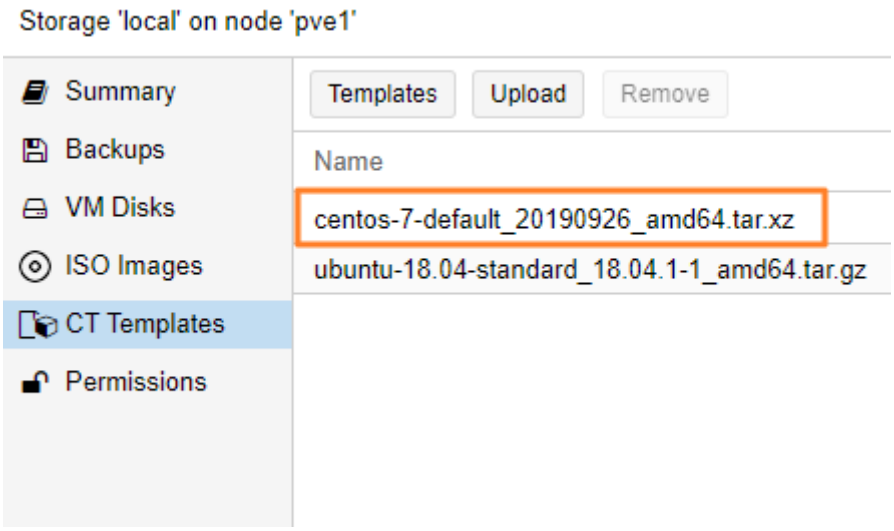
```
22383/oxool
```

Congratulations and enjoy!

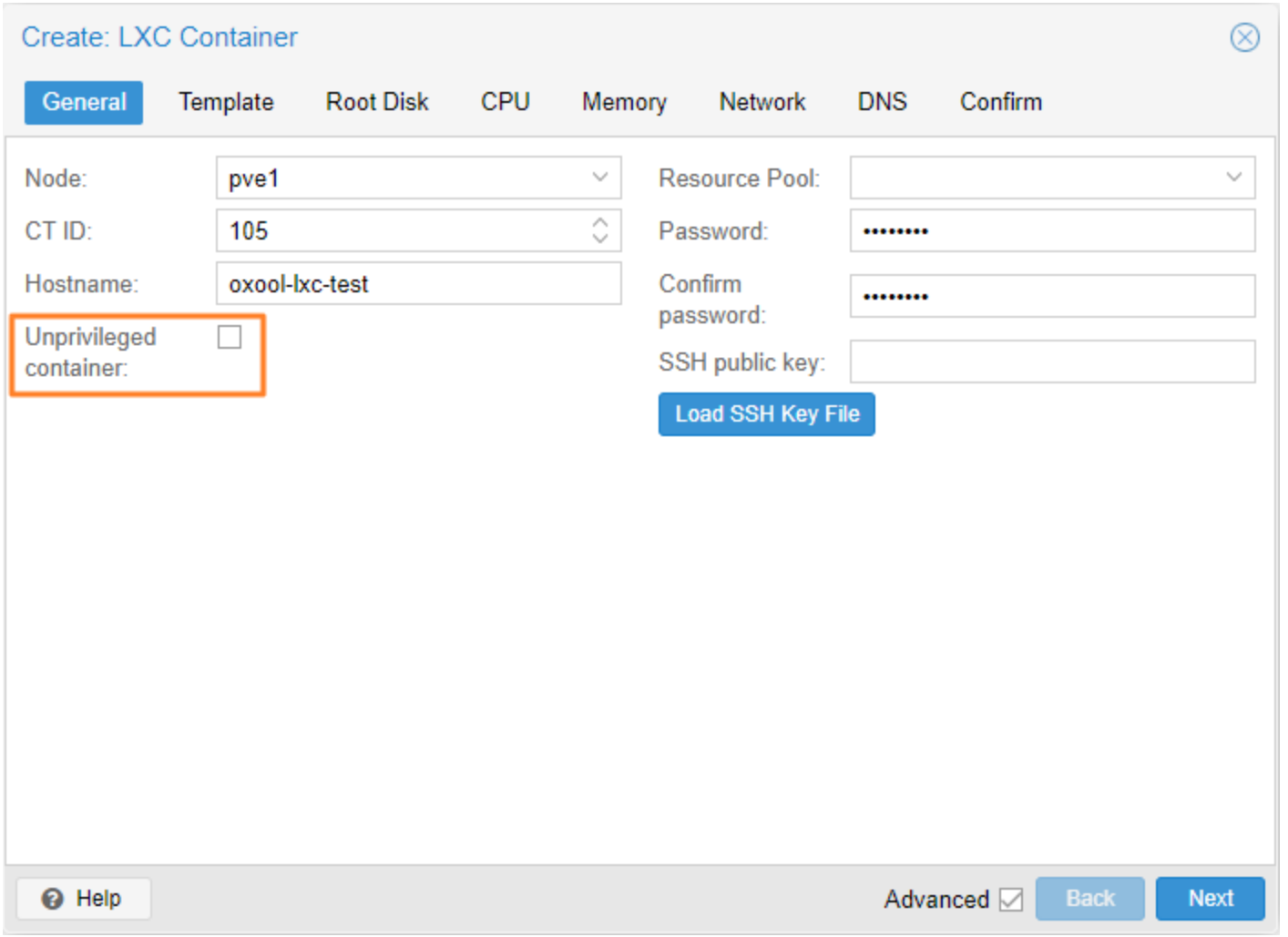
Thanks to Franklin (from ezgo team) to provide installation guide for Ubuntu!

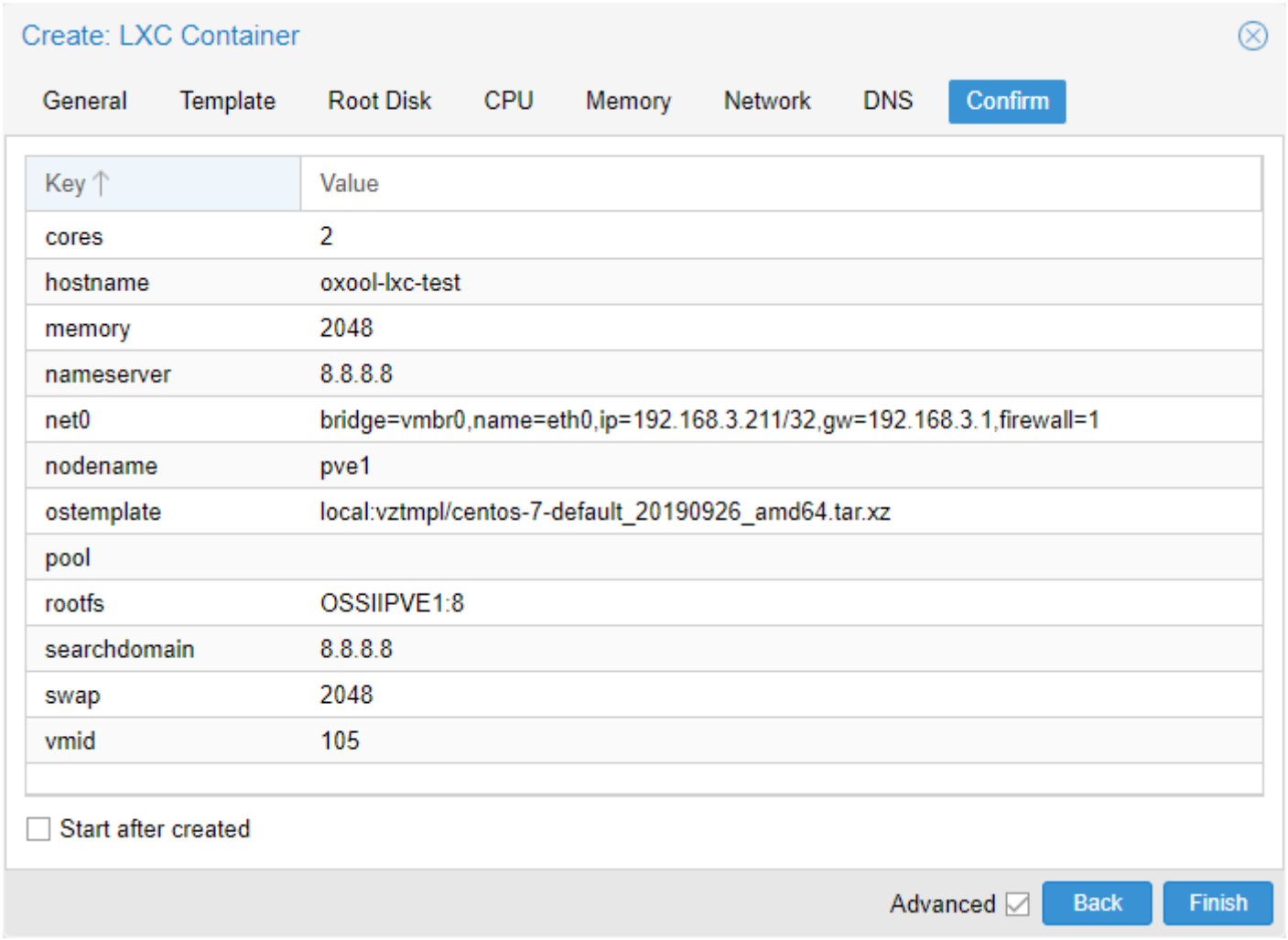
Installation guide for CentOS 7 in PVE LXC (Community edition)

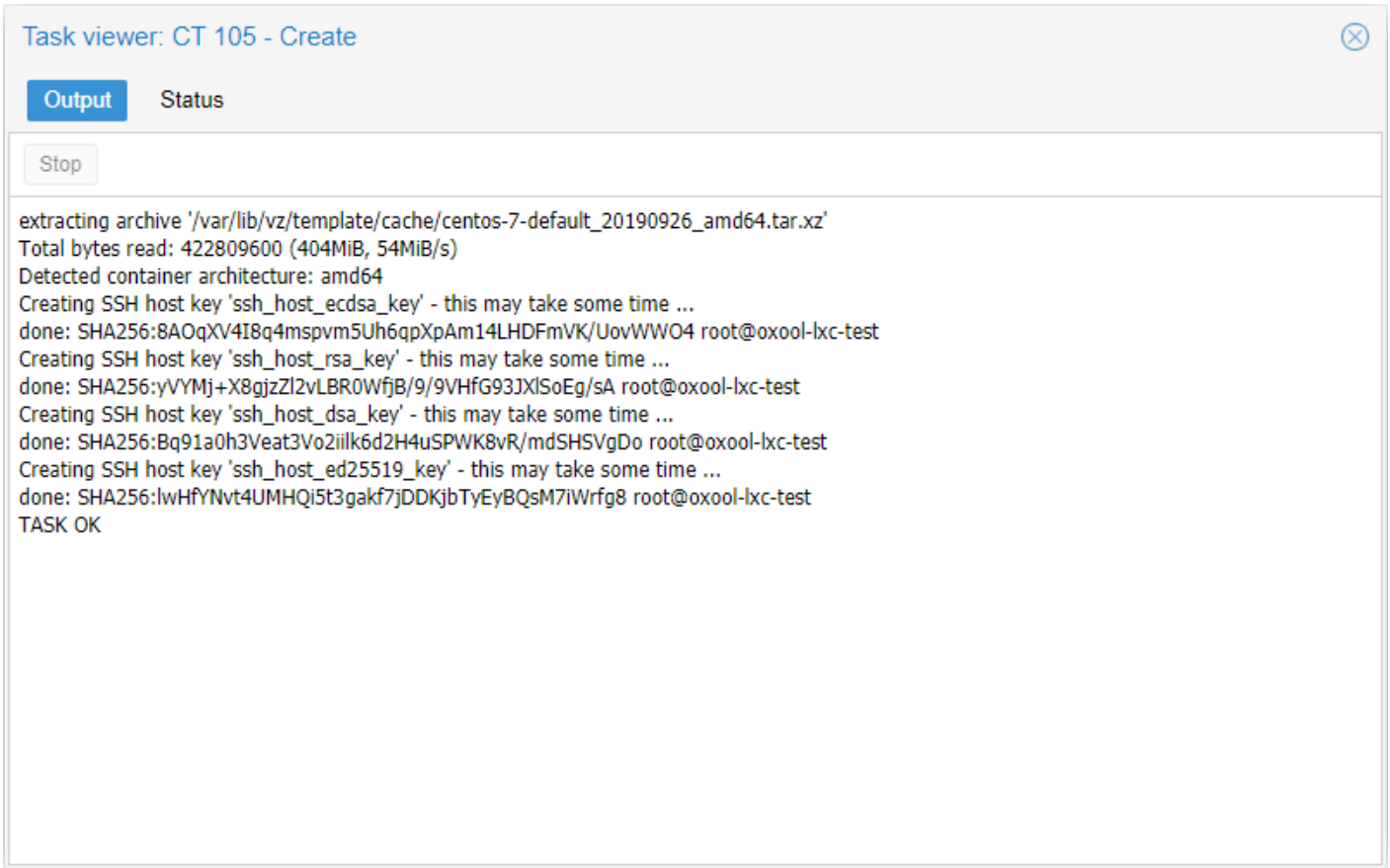
- Please download "centos-7-default_20190926_amd64.tar.xz" LXC template in PVE



- Create a new CT using "Create CT" button (please uncheck "Unprivileged container" for now, or you may encounter some weird issues)


Create: LXC Container
General
Template
Root Disk
CPU
Memory
Network
DNS
Confirm
Node:
pve1
CT ID:
105
Hostname:
oxool-lxc-test
Unprivileged container:
Resource Pool:
Password:
Confirm password:
SSH public key:
Load SSH Key File
Help
Advanced
Back
Next


Create: LXC Container
General
Template
Root Disk
CPU
Memory
Network
DNS
Confirm
Key
Value
cores 2
hostname oxool-lxc-test
memory 2048
nameserver 8.8.8.8
net0 bridge=vmbr0,name=eth0,ip=192.168.3.211/32,gw=192.168.3.1,firewall=1
nodename pve1
ostemplate local:vztmpl/centos-7-default_20190926_amd64.tar.xz
pool
rootfs OSSIIPVE1:8
searchdomain 8.8.8.8
swap 2048
vmid 105
Start after created
Advanced
Back
Finish


Task viewer: CT 105 - Create
Output
Status
Stop
extracting archive '/var/lib/vz/template/cache/centos-7-default_20190926_amd64.tar.xz'
Total bytes read: 422809600 (404MiB, 54MiB/s)
Detected container architecture: amd64
Creating SSH host key 'ssh_host_ecdsa_key' - this may take some time ...
done: SHA256:8AOqXV4I8q4mspvm5Uh6qpXpAm14LHDFmVK/UovWWO4 root@oxool-lxc-test
Creating SSH host key 'ssh_host_rsa_key' - this may take some time ...
done: SHA256:yVYMj+X8gjzZl2vLBR0WfjB/9/9VHfG93JXlSoEg/sA root@oxool-lxc-test
Creating SSH host key 'ssh_host_dsa_key' - this may take some time ...
done: SHA256:Bq91a0h3Veat3Vo2iilk6d2H4uSPWK8vR/mdSHSVgDo root@oxool-lxc-test
Creating SSH host key 'ssh_host_ed25519_key' - this may take some time ...
done: SHA256:lwHfYNvt4UMHQi5t3gakf7jDDKjbTyEyBQsM7iWrfg8 root@oxool-lxc-test
TASK OK

- Reboot and login as root. Then run the following commands to install needed programs and OxOOL Community edition

```
yum install vim openssh* net-tools unzip wget -y
cd /etc/yum.repos.d
wget --no-check-certificate http://www.oxoffice.com.tw/yum.repo/oxool-community.repo
yum update -y
yum groupinstall "OxOOL Community Group" -y
```

- Start OxOOL Community edition service when booting

```
systemctl enable oxool
reboot
```

- Reboot, login as root, and check if OxOOL Community edition starts normally

```
netstat -tlnp
```

You should get some results like this:

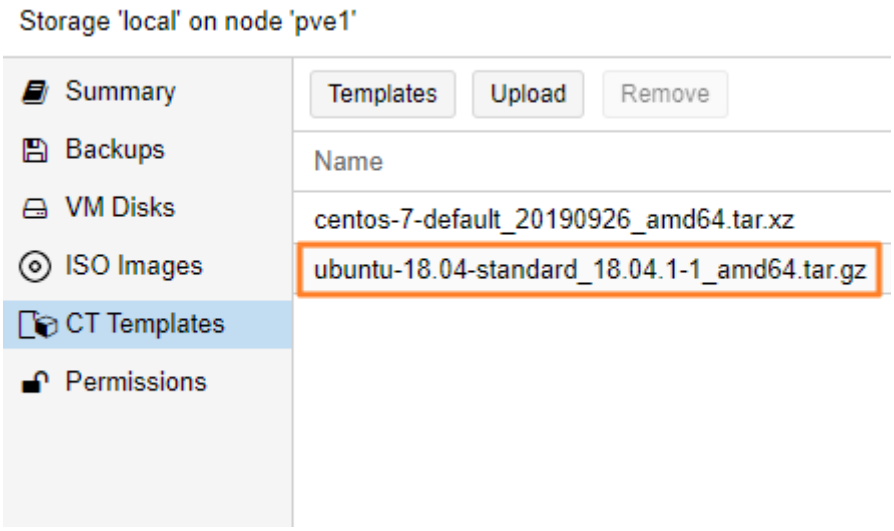
```
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program
name
tcp        0      0 127.0.0.1:9981          0.0.0.0:*               LISTEN
1049/oxool
tcp6       0      0 :::9980                 :::*                    LISTEN      1049/oxool
```

Congratulations and enjoy!

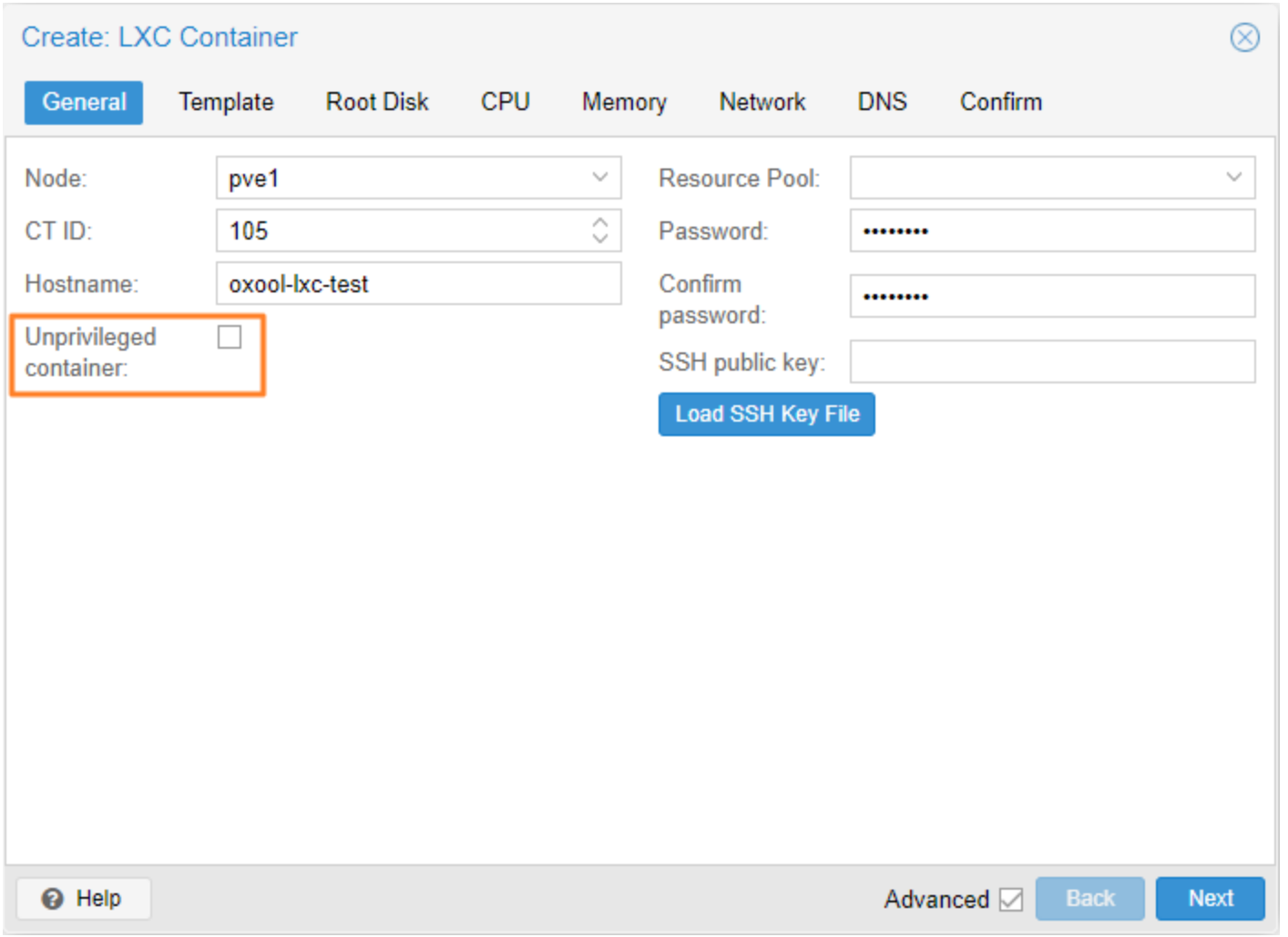
P. S. When steps above are finished, you can use "More"→"Convert to template" to generate new LXC template that contains OxOOL Community edition.

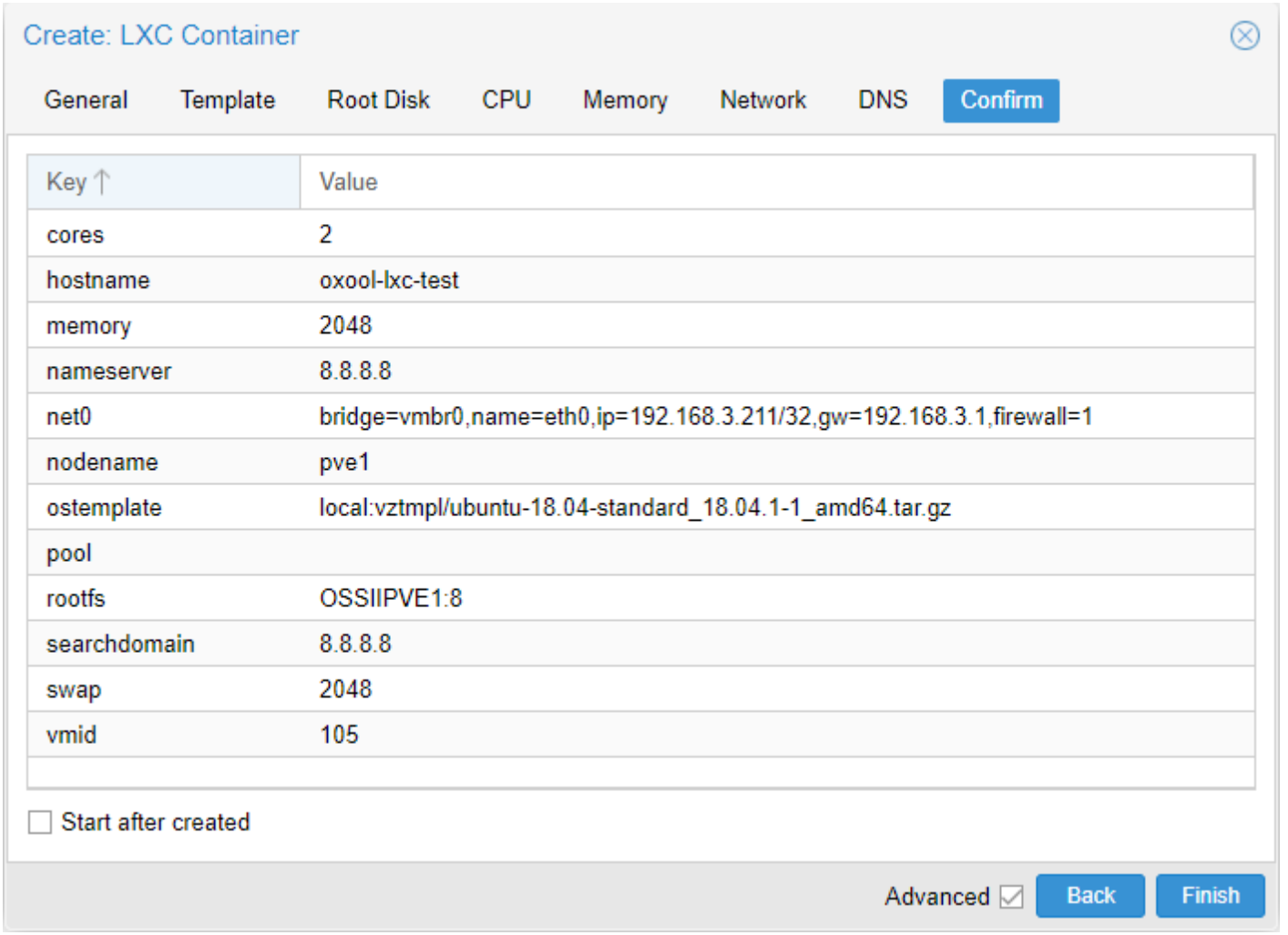
Installation guide for Ubuntu 18.04 in PVE LXC (Community edition)

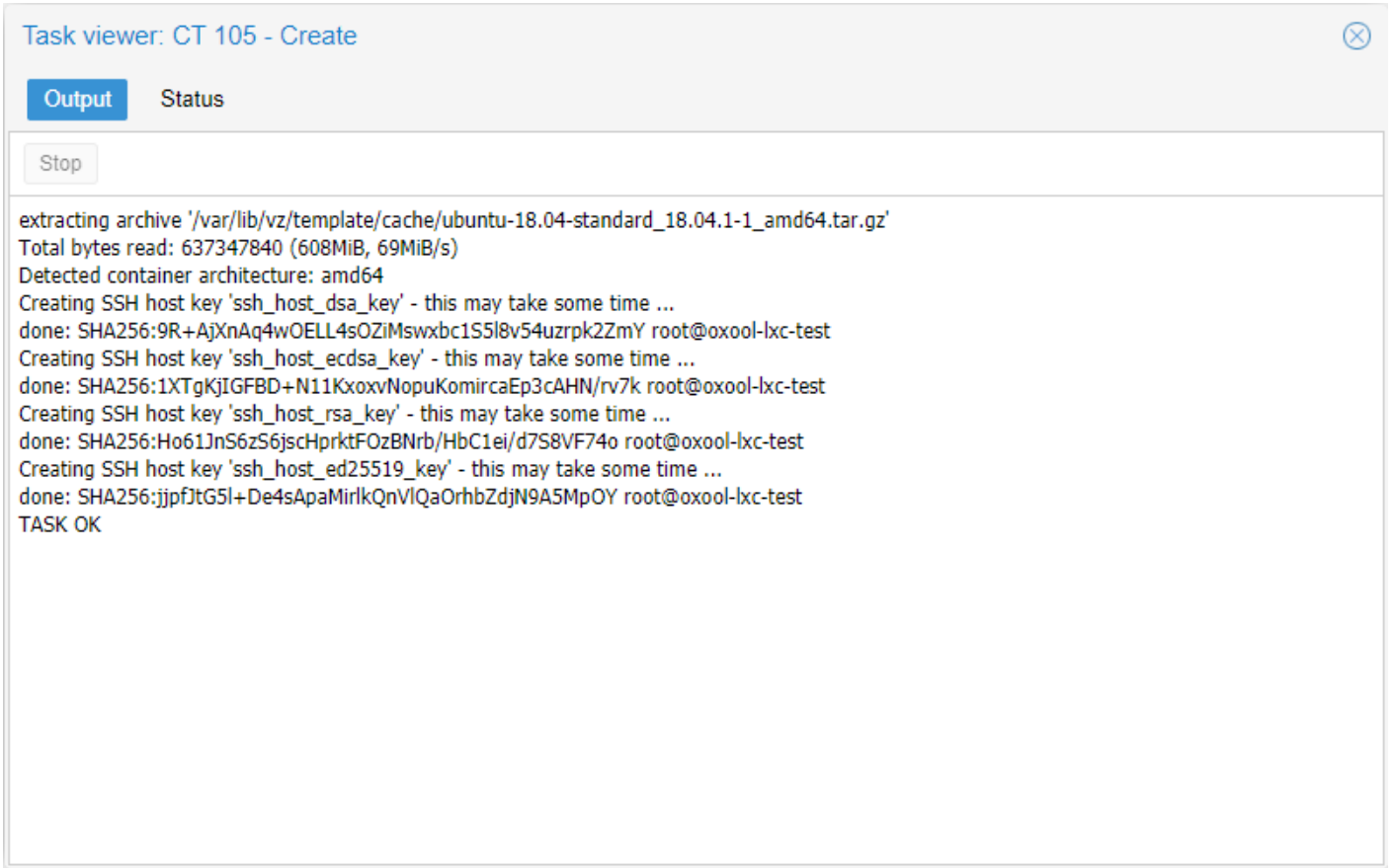
- Please download "ubuntu-18.04-standard_18.04.1-1_amd64.tar.gz" LXC template in PVE



- Create a new CT using "Create CT" button (please uncheck "Unprivileged container" for now, or you may encounter some weird issues)


Create: LXC Container
General
Template
Root Disk
CPU
Memory
Network
DNS
Confirm
Node:
pve1
CT ID:
105
Hostname:
oxool-lxc-test
Unprivileged container:
Resource Pool:
Password:
Confirm password:
SSH public key:
Load SSH Key File
Help
Advanced
Back
Next


Create: LXC Container
General
Template
Root Disk
CPU
Memory
Network
DNS
Confirm
Key
Value
cores 2
hostname oxool-lxc-test
memory 2048
nameserver 8.8.8.8
net0 bridge=vmbr0,name=eth0,ip=192.168.3.211/32,gw=192.168.3.1,firewall=1
nodename pve1
ostemplate local:vztmpl/ubuntu-18.04-standard_18.04.1-1_amd64.tar.gz
pool
rootfs OSSIIPVE1:8
searchdomain 8.8.8.8
swap 2048
vmid 105
Start after created
Advanced
Back
Finish


Task viewer: CT 105 - Create
Output
Status
Stop
extracting archive '/var/lib/vz/template/cache/ubuntu-18.04-standard_18.04.1-1_amd64.tar.gz'
Total bytes read: 637347840 (608MiB, 69MiB/s)
Detected container architecture: amd64
Creating SSH host key 'ssh_host_dsa_key' - this may take some time ...
done: SHA256:9R+AjXnAq4wOELL4sOZiMswxbc1S5l8v54uzrpk2ZmY root@oxool-lxc-test
Creating SSH host key 'ssh_host_ecdsa_key' - this may take some time ...
done: SHA256:1XTgKjIGFBD+N11KxoxvNopuKomircaEp3cAHN/rv7k root@oxool-lxc-test
Creating SSH host key 'ssh_host_rsa_key' - this may take some time ...
done: SHA256:Ho61JnS6zS6jscHprktFOzBNrb/HbC1ei/d7S8VF74o root@oxool-lxc-test
Creating SSH host key 'ssh_host_ed25519_key' - this may take some time ...
done: SHA256:jjpfJtG5l+De4sApaMirlkQnVlQaOrhbZdjN9A5MpOY root@oxool-lxc-test
TASK OK

- Reboot and run the following commands to install needed programs and OxOOL Community edition

```
apt update
apt upgrade -y
apt install vim openssh-server net-tools curl gnupg2 -y
# Chooese yes if you get any service restarting prompts

curl http://www.oxoffice.com.tw/apt/ubuntu/oxool-deb.key | apt-key add
echo "deb [arch=amd64] http://www.oxoffice.com.tw/apt/ubuntu/ oxool-v3 main" > ~/oxool.list
mv ~/oxool.list /etc/apt/sources.list.d/
apt update
apt install oxool oxoffice* -y
```

- Start OxOOL Community edition service when booting

```
systemctl enable oxool
reboot
```

- Reboot and check if OxOOL Community edition starts normally

```
netstat -tlnp
```

You should get some results like this:

```
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program
name
tcp        0      0 127.0.0.1:9981          0.0.0.0:*               LISTEN
22383/oxool
tcp6       0      0 :::9980                 :::*                    LISTEN
22383/oxool
```

Congratulations and enjoy!

P. S. When steps above are finished, you can use "More"→"Convert to template" to generate new LXC template that contains OxOOL Community edition.

Installation guide for OxOffice Online v4 Community on CentOS 7

Please download and install the latest version of CentOS 7 (we recommend using Minimal edition), when operating system installation is done, please follow steps to upgrade your system, install required packages and OxOffice Online v4 Community (we recommend executing these commands as normal user, remove sudo prefix if you are excuting them as root user).

```
sudo yum upgrade -y
sudo yum install vim net-tools unzip wget -y
cd /etc/yum.repos.d
sudo wget http://www.oxoffice.com.tw/rpm/el/oxool-community-v4-centos7.repo
sudo yum upgrade -y
sudo yum groupinstall "OxOOL Community Group" -y
```

Disable SELinux

```
sudo vim /etc/selinux/config # You can choose any preferred text editor to edit this file
# Search "SELinux=enforcing" line, and change "enforcing" to "disabled" or "permissive" then
save and quit
```

Configure firewalld and open the default 9980 port

```
sudo firewall-cmd --zone=public --permanent --add-service=http
sudo firewall-cmd --zone=public --permanent --add-port=9980/tcp
sudo firewall-cmd --reload
```

Check if OxOOL Community edition starts normally

```
sudo netstat -tlnp
```

You should get some results like this:

```
tcp6     0    0    :::9980□□      :::*   □LISTEN   644/oxool
```

Installation guide for OxOffice Online v4 Community on Rocky Linux 8

Please download and install the latest version of Rocky Linux 8, when operating system installation is done, please follow steps to upgrade your system, install required packages and OxOffice Online v4 Community (we recommend executing these commands as normal user, remove sudo prefix if you are excuting them as root user).

```
sudo dnf config-manager --set-enabled powertools
sudo dnf upgrade -y
sudo dnf install epel-release -y
sudo dnf install vim net-tools unzip wget -y
cd /etc/yum.repos.d
sudo wget http://www.oxoffice.com.tw/rpm/el/oxool-community-v4-el8.repo
sudo dnf upgrade -y
sudo dnf groupinstall "OxOOL Community Group" -y
```

Disable SELinux

```
sudo vim /etc/selinux/config # You can choose any preferred text editor to edit this file
# Search "SELinux=enforcing" line, and change "enforcing" to "disabled" or "permissive" then
save and quit
```

Configure firewalld and open the default 9980 port

```
sudo firewall-cmd --zone=public --permanent --add-service=http
sudo firewall-cmd --zone=public --permanent --add-port=9980/tcp
sudo firewall-cmd --reload
```

Check if OxOOL Community edition starts normally

```
sudo netstat -tlnp
```

You should get some results like this:

```
tcp6     0    0    :::9980□□      :::*   □LISTEN   644/oxool
```

Installation guide for OxOffice Online v4 Community on Ubuntu 20.04

Please download and install the latest version of Ubuntu 20.04, when operating system installation is done, please follow steps to upgrade your system, install required packages and OxOffice Online v4 Community.

```
sudo apt update
sudo apt upgrade -y
sudo apt install vim openssh-server net-tools curl -y
# Chooese yes if you get any service restarting prompts
curl http://www.oxoffice.com.tw/deb/OSSII.key | sudo apt-key add
cd /etc/apt/sources.list.d/
sudo wget http://www.oxoffice.com.tw/deb/oxool-community-v4-focal.list
sudo apt update
sudo apt install oxool -y
```

Start OxOOL Community edition service when booting

```
sudo systemctl enable oxool
sudo reboot
```

Check if OxOOL Community edition starts normally

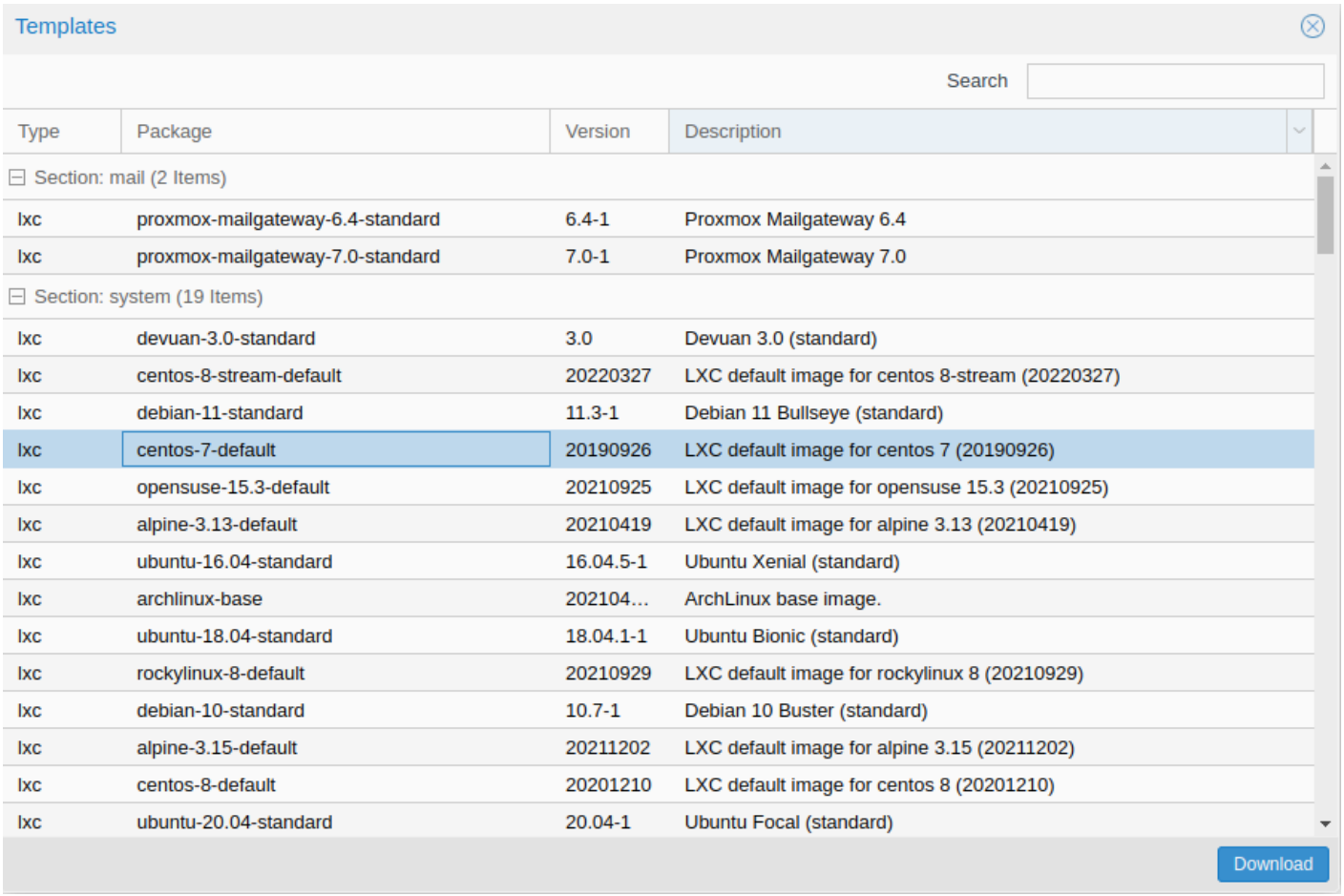
```
sudo netstat -tlnp
```

You should get some results like this:

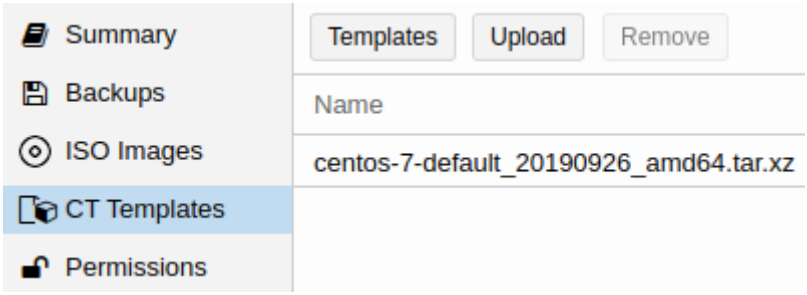
```
tcp6     0    0    :::9980□□      :::*   □LISTEN   644/oxool
```

Installation guide for OxOffice Online v4 Community on CentOS 7 in PVE LXC

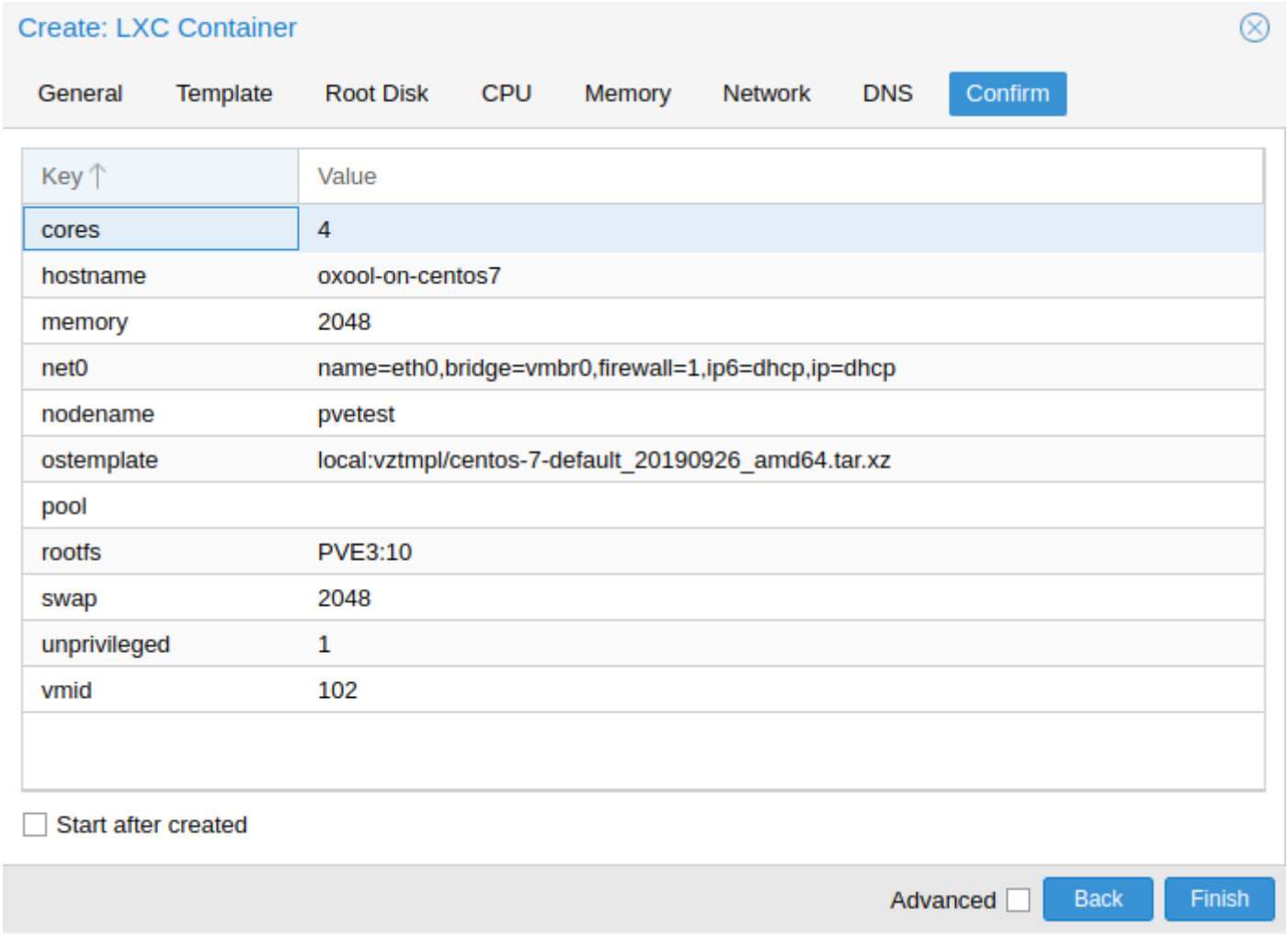
Please download "centos-7-default" LXC template on your PVE first

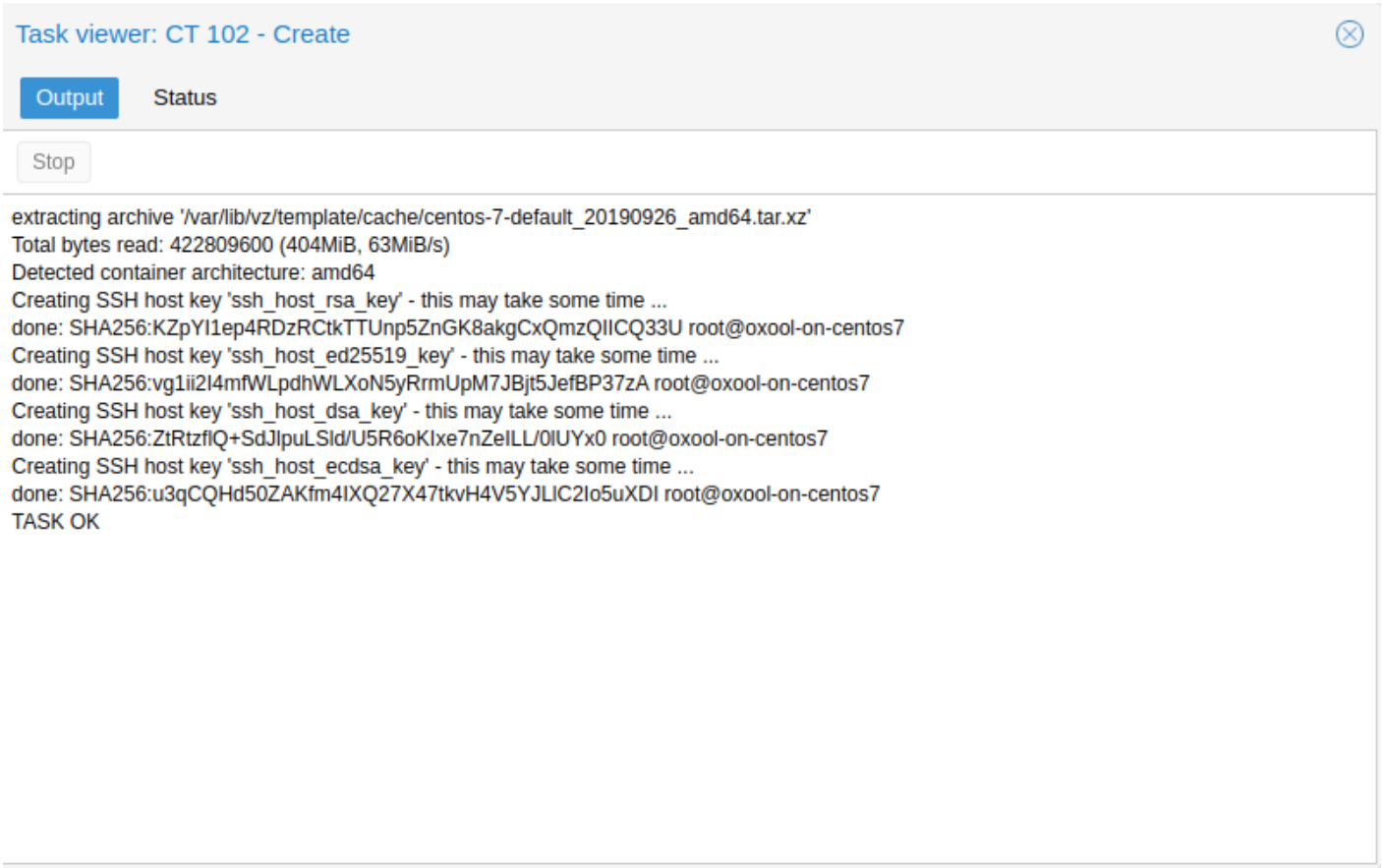


You can see CentOS 7 LXC template in "CT templates" section



Create a new CT using "Create CT" button





Start created CT, login as root and excute following commands to install needed programs and OxOOL Community edition:

```
yum install vim openssh* net-tools unzip wget -y
cd /etc/yum.repos.d
wget http://www.oxoffice.com.tw/rpm/el/oxool-community-v4-centos7.repo
yum upgrade -y
yum groupinstall "OxOOL Community Group" -y
```

Start OxOOL Community edition service when booting and reboot

```
systemctl enable oxoolwsd
reboot
```

Check if OxOOL Community edition starts normally

```
netstat -tlnp
```

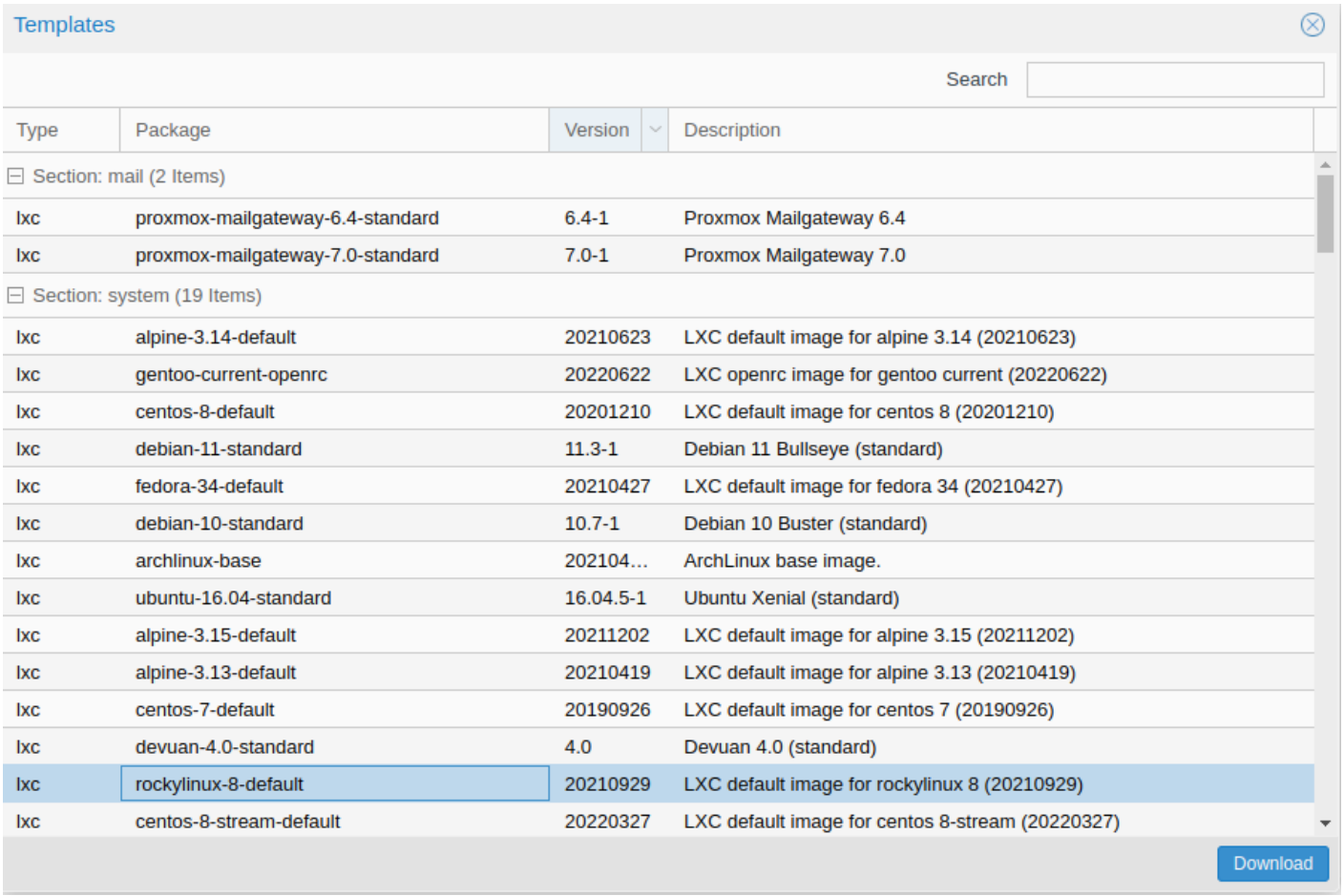
You should get some results like this:

```
tcp6       0      0 :::9980□□               :::*                    □LISTEN     644/oxool
```

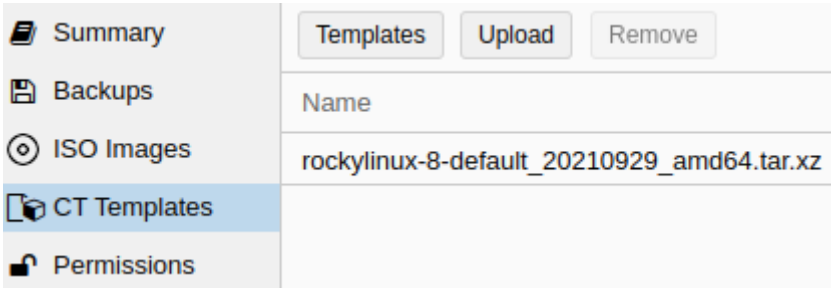
P. S. When steps above are finished, you can use "More"→"Convert to template" to generate new LXC template that contains OxOOL Community edition.

Installation guide for OxOffice Online v4 Community on Rocky Linux 8 in PVE LXC

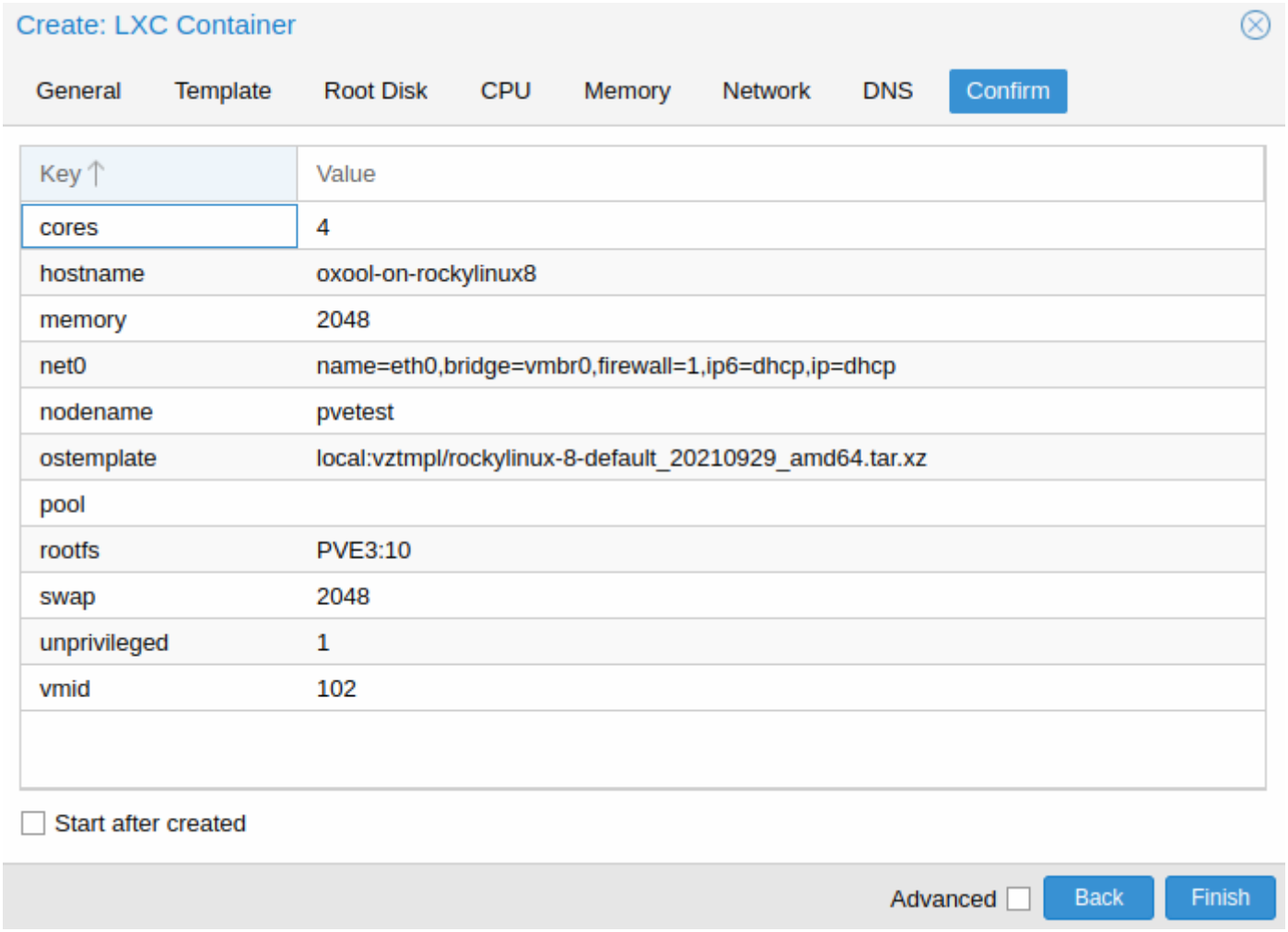
Please download "rocktlinux-8-default" LXC template on your PVE first

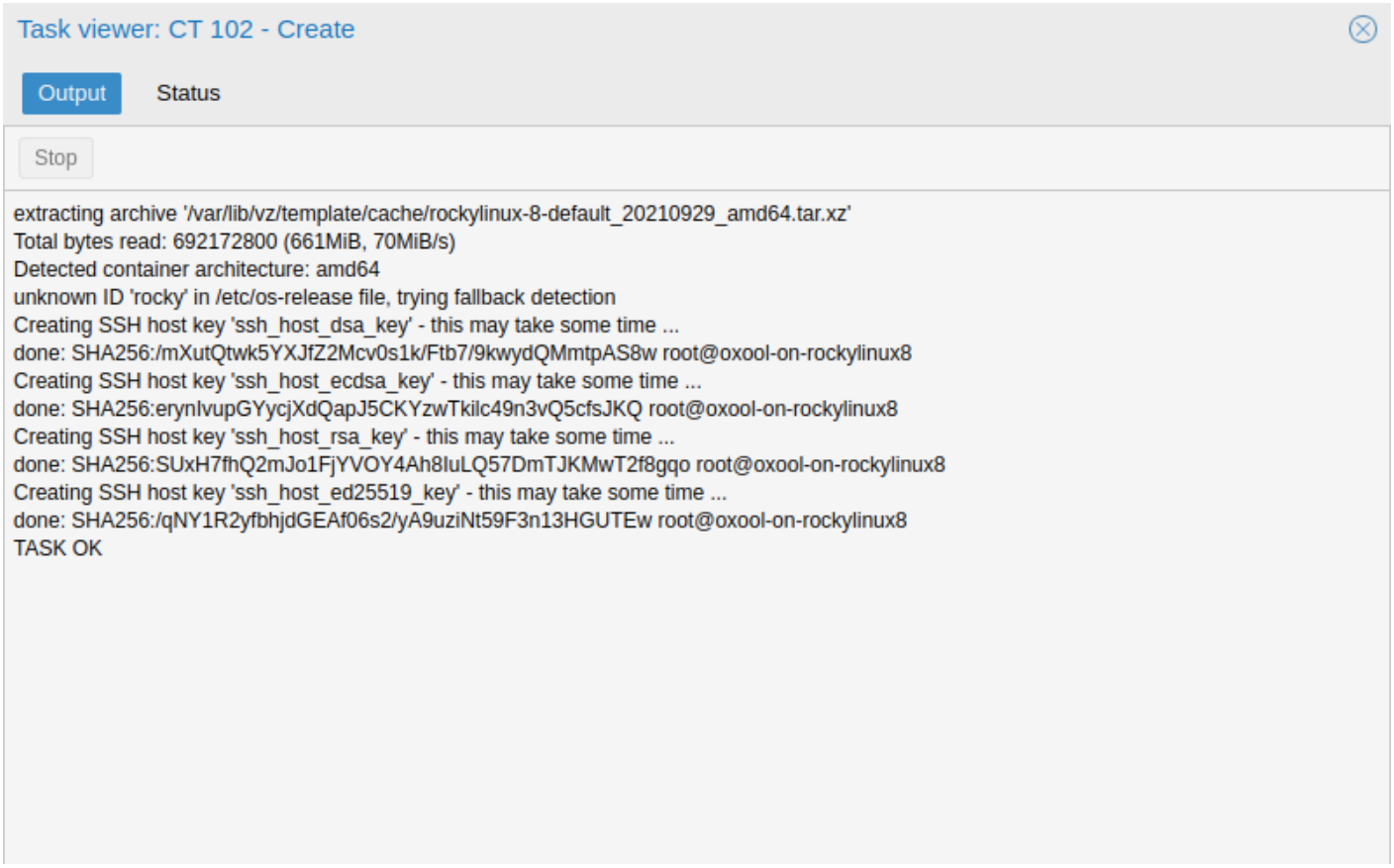


You can see Rocky Linux 8 LXC template in "CT templates" section



Create a new CT using "Create CT" button





Start created CT, login as root and excute following commands to install needed programs and OxOOL Community edition:

```
dnf config-manager --set-enabled powertools
dnf install vim openssh* net-tools unzip wget -y
cd /etc/yum.repos.d
wget http://www.oxoffice.com.tw/rpm/el/oxool-community-v4-el8.repo
dnf upgrade -y
dnf groupinstall "OxOOL Community Group" -y
```

Start OxOOL Community edition service when booting and reboot

```
systemctl enable oxoolwsd
reboot
```

Check if OxOOL Community edition starts normally

```
netstat -tlnp
```

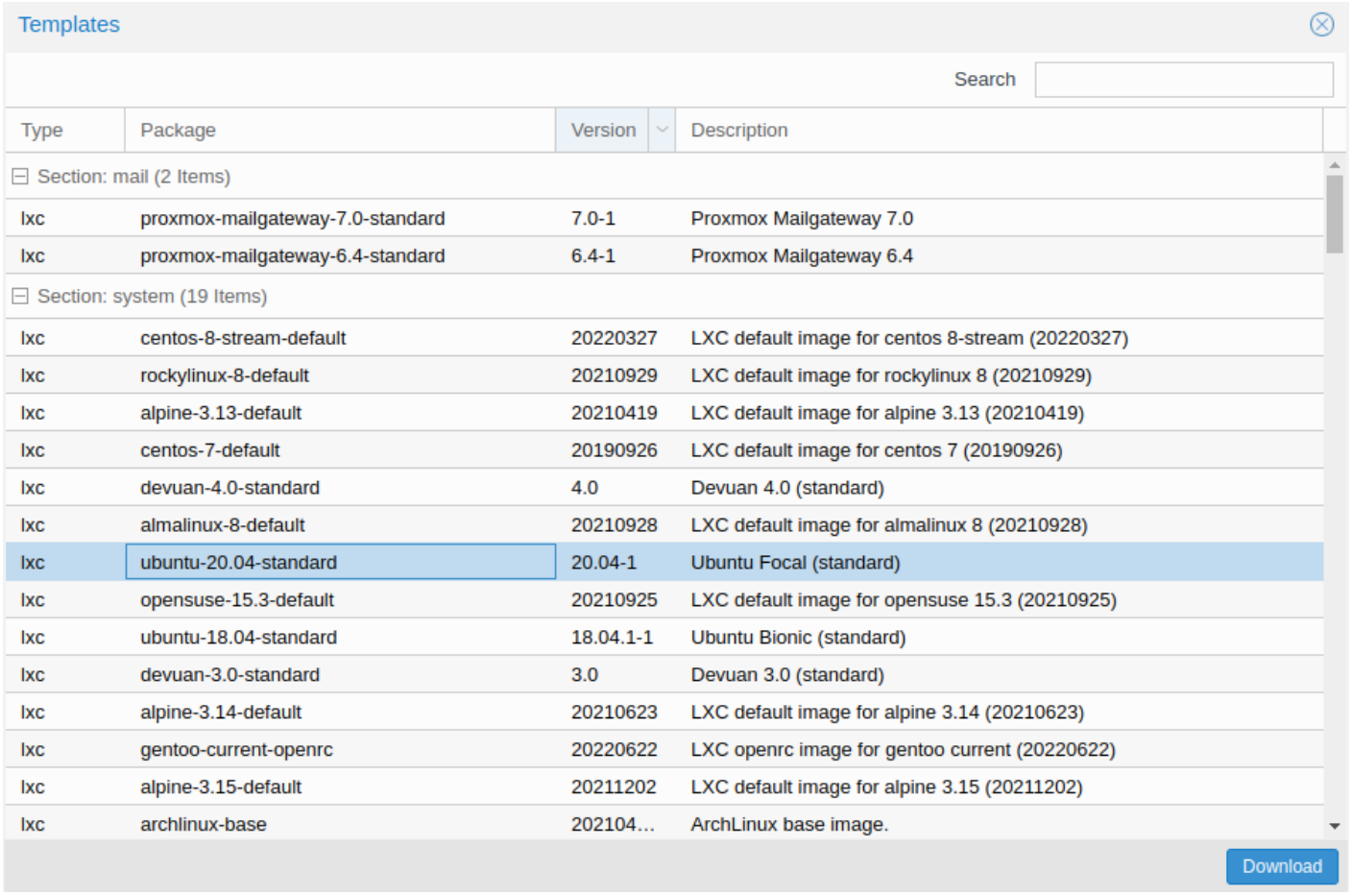
You should get some results like this:

```
tcp6       0      0 :::9980□□               :::*                    □LISTEN     644/oxool
```

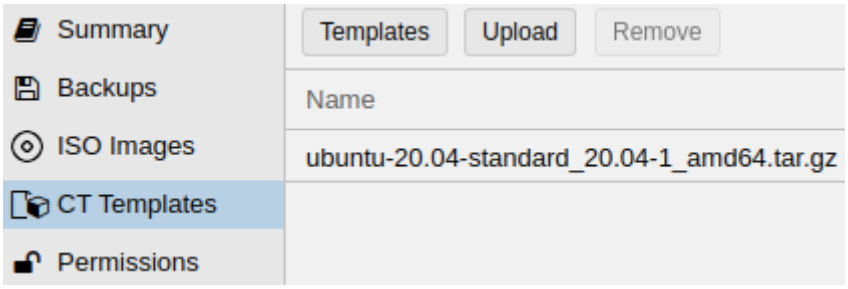
P. S. When steps above are finished, you can use "More"→"Convert to template" to generate new LXC template that contains OxOOL Community edition.

Installation guide for OxOffice Online v4 Community on Ubuntu 20.04 in PVE LXC

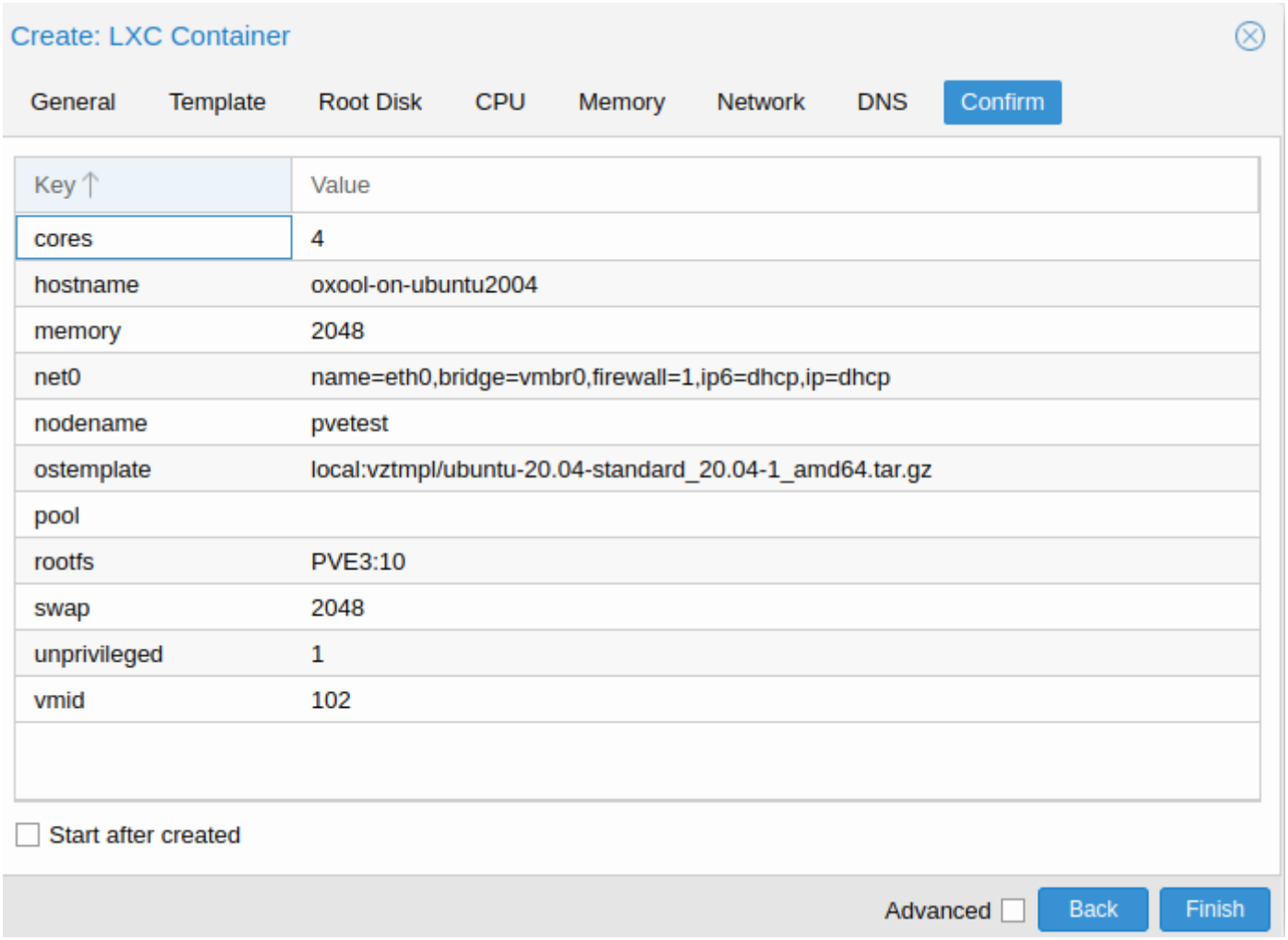
Please download "ubuntu-20.04-standard" LXC template on your PVE first

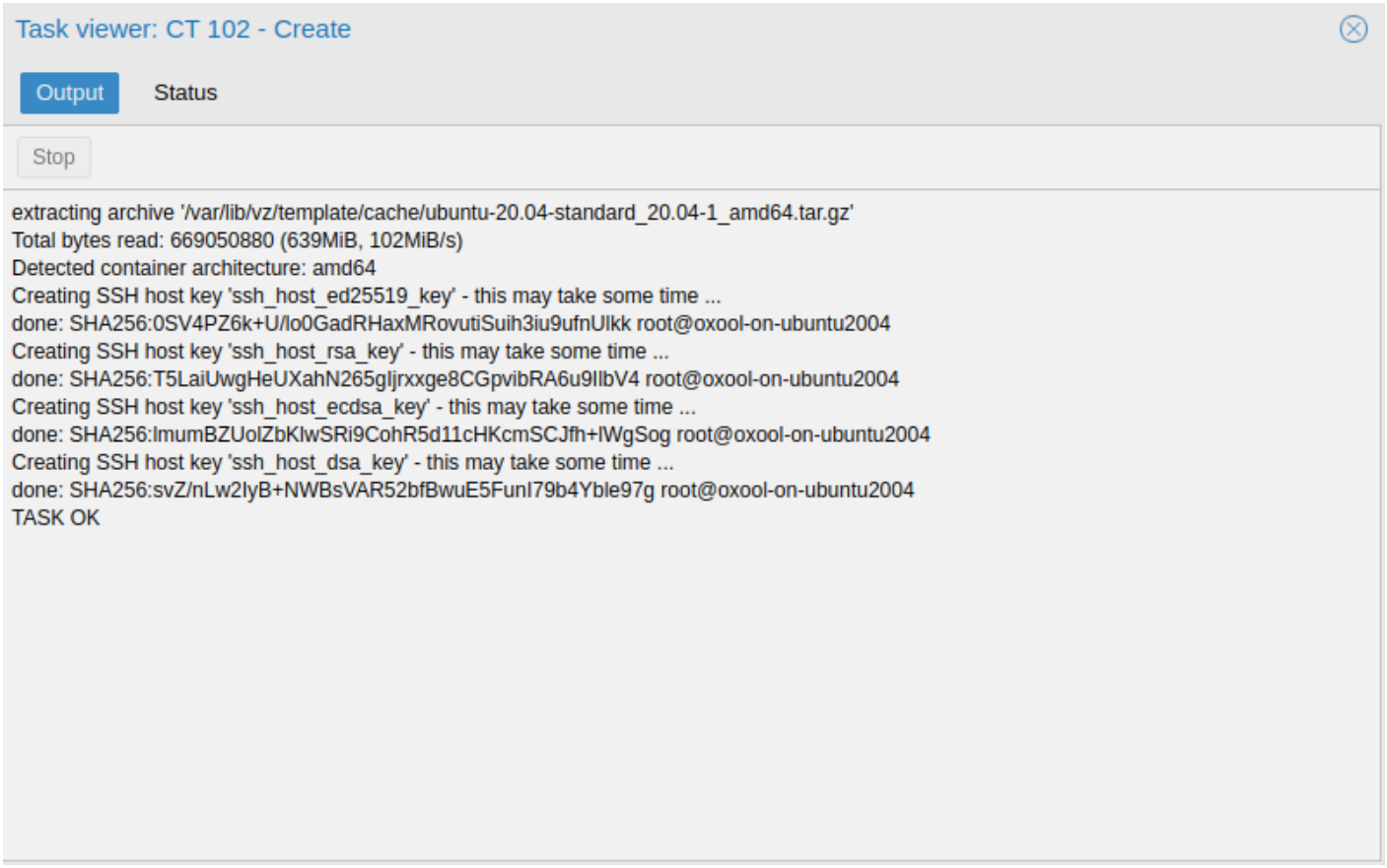


You can see Ubuntu 20.04 LXC template in "CT templates" section



Create a new CT using "Create CT" button





Start created CT, login as root and excute following commands to install needed programs and OxOOL Community edition:

```
apt update
apt upgrade -y
apt install vim openssh-server net-tools curl gnupg2 wget -y
# Chooese yes if you get any service restarting prompts
curl http://www.oxoffice.com.tw/deb/OSSII.key | sudo apt-key add
cd /etc/apt/sources.list.d/
wget http://www.oxoffice.com.tw/deb/oxool-community-v4-focal.list
apt update
apt install oxool -y
```

Start OxOOL Community edition service when booting and reboot

```
systemctl enable oxool
reboot
```

Check if OxOOL Community edition starts normally

```
netstat -tlnp
```

You should get some results like this:

```
tcp6       0      0 :::9980□□               :::*                    □LISTEN      644/oxool
```

P. S. When steps above are finished, you can use "More"→"Convert to template" to generate new LXC template that contains OxOOL Community edition.

Installation guide for OxOffice Online v5 Community on Rocky Linux 8

Please download and install the latest version of Rocky Linux 8, when operating system installation is done, please follow steps to upgrade your system, install required packages and OxOffice Online v5 Community (we recommend executing these commands as normal user, remove sudo prefix if you are excuting them as root user).

```
sudo dnf config-manager --set-enabled powertools
sudo dnf upgrade -y
sudo dnf install epel-release -y
sudo dnf install vim net-tools unzip wget -y
sudo wget -P /etc/yum.repos.d http://www.oxoffice.com.tw/rpm/el/oxool-community-v5-el8.repo
sudo dnf upgrade -y
sudo dnf groupinstall "OxOOL Community Group" -y
```

Disable SELinux

```
sudo vim /etc/selinux/config # You can choose any preferred text editor to edit this file
# Search "SELinux=enforcing" line, and change "enforcing" to "disabled" or "permissive" then
save and quit
```

Configure firewalld and open the default 9980 port

```
sudo firewall-cmd --zone=public --permanent --add-service=http
sudo firewall-cmd --zone=public --permanent --add-port=9980/tcp
sudo firewall-cmd --reload
```

Check if OxOOL Community edition starts normally

```
sudo netstat -tlnp
```

You should get some results like this:

```
tcp6     0    0    :::9980□□      :::*   □LISTEN   644/oxool
```

Installation guide for OxOffice Online v5 Community on Ubuntu 24.04

Please download and install the latest version of Ubuntu 24.04, when operating system installation is done, please follow steps to upgrade your system, install required packages and OxOffice Online v5 Community.

```
sudo apt update
sudo apt upgrade -y
sudo apt install vim openssh-server net-tools curl -y
# Chooese yes if you get any service restarting prompts
sudo curl -o /etc/apt/keyrings/OSSII.asc http://www.oxoffice.com.tw/deb/OSSII.key
sudo curl -o /etc/apt/sources.list.d/oxool-community-v5-noble.list
http://www.oxoffice.com.tw/deb/oxool-community-v5-noble.list
sudo apt update
sudo apt install oxool -y
```

Start OxOOL Community edition service when booting

```
sudo systemctl enable oxool
sudo reboot
```

Check if OxOOL Community edition starts normally

```
sudo netstat -tlnp
```

You should get some results like this:

```
tcp6     0    0    :::9980□□      :::*   □LISTEN   644/oxool
```