

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 \(Community edition\)](#)
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- [Installation guide for OxOffice Online v4 Community on CentOS 7](#)
- [Installation guide for OxOffice Online v4 Community on Rocky Linux 8](#)
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- [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
# Choose 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
```

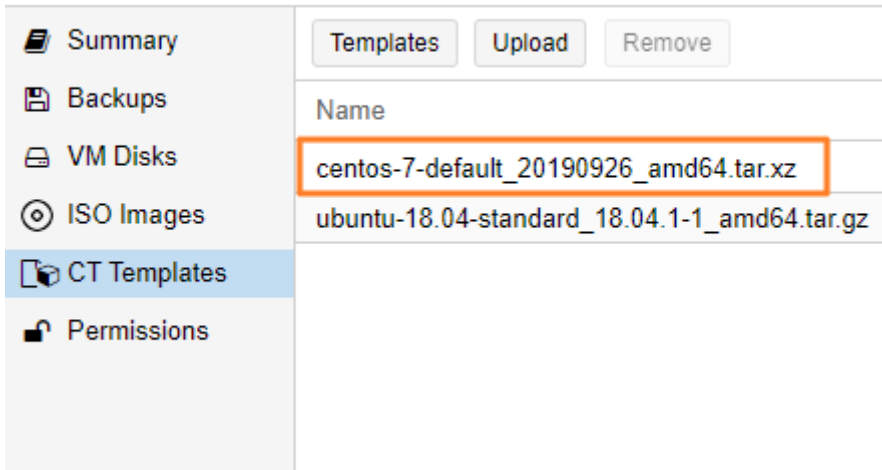
Congratulations and enjoy!

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

Storage 'local' on node 'pve1'



The screenshot shows the PVE web interface for storage 'local' on node 'pve1'. On the left is a sidebar with navigation links: Summary, Backups, VM Disks, ISO Images, CT Templates (selected), and Permissions. The main area has three buttons: Templates, Upload, and Remove. Below these is a table with a 'Name' header. Two templates are listed: 'centos-7-default_20190926_amd64.tar.xz' (highlighted with an orange box) and 'ubuntu-18.04-standard_18.04.1-1_amd64.tar.gz'.

Name
centos-7-default_20190926_amd64.tar.xz
ubuntu-18.04-standard_18.04.1-1_amd64.tar.gz

- 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=vmbbr0,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 createdAdvanced ☒

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+X8gjZl2vLBR0WfjB/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
```

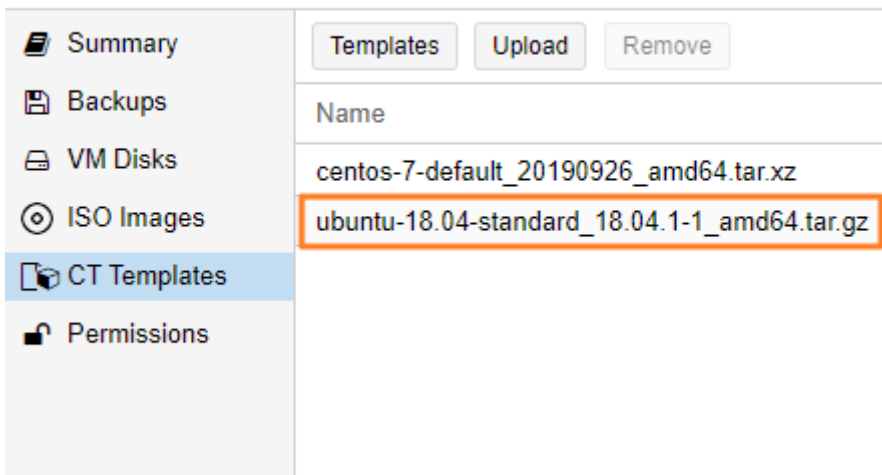
Congratulations and enjoy!

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

Storage 'local' on node 'pve1'



The screenshot shows the PVE web interface for storage 'local' on node 'pve1'. On the left is a sidebar with navigation links: Summary, Backups, VM Disks, ISO Images, CT Templates (highlighted), and Permissions. The main area has buttons for 'Templates', 'Upload', and 'Remove'. Below these is a table with a 'Name' header. Two templates are listed: 'centos-7-default_20190926_amd64.tar.xz' and 'ubuntu-18.04-standard_18.04.1-1_amd64.tar.gz', which is highlighted with an orange border.

Name
centos-7-default_20190926_amd64.tar.xz
ubuntu-18.04-standard_18.04.1-1_amd64.tar.gz

- 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=vbr0,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 createdAdvanced ☒

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+AjXnAq4woELL4sOZiMswxhc1S5l8v54uzrpK2ZmY 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+De4sApaMirIkQnVlQaOrhbZdjN9A5MpOY 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
# Choose 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 executing 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 executing 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
# Choose 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

Templates

Search

Type	Package	Version	Description	
Section: mail (2 Items)				
lxc	proxmox-mailgateway-6.4-standard	6.4-1	Proxmox Mailgateway 6.4	
lxc	proxmox-mailgateway-7.0-standard	7.0-1	Proxmox Mailgateway 7.0	
Section: system (19 Items)				
lxc	devuan-3.0-standard	3.0	Devuan 3.0 (standard)	
lxc	centos-8-stream-default	20220327	LXC default image for centos 8-stream (20220327)	
lxc	debian-11-standard	11.3-1	Debian 11 Bullseye (standard)	
lxc	centos-7-default	20190926	LXC default image for centos 7 (20190926)	
lxc	opensuse-15.3-default	20210925	LXC default image for opensuse 15.3 (20210925)	
lxc	alpine-3.13-default	20210419	LXC default image for alpine 3.13 (20210419)	
lxc	ubuntu-16.04-standard	16.04.5-1	Ubuntu Xenial (standard)	
lxc	archlinux-base	202104...	ArchLinux base image.	
lxc	ubuntu-18.04-standard	18.04.1-1	Ubuntu Bionic (standard)	
lxc	rockylinux-8-default	20210929	LXC default image for rockylinux 8 (20210929)	
lxc	debian-10-standard	10.7-1	Debian 10 Buster (standard)	
lxc	alpine-3.15-default	20211202	LXC default image for alpine 3.15 (20211202)	
lxc	centos-8-default	20201210	LXC default image for centos 8 (20201210)	
lxc	ubuntu-20.04-standard	20.04-1	Ubuntu Focal (standard)	

Download

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

<div><div>Summary</div><div>Backups</div><div>ISO Images</div><div>CT Templates</div><div>Permissions</div></div>	<div><div>Templates</div><div>Upload</div><div>Remove</div></div> <div><div>Name</div><div>centos-7-default_20190926_amd64.tar.xz</div></div>
-------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------

Create a new CT using "Create CT" button

Create: LXC Container



General

Template

Root Disk

CPU

Memory

Network

DNS

Confirm

Key ↑	Value
cores	4
hostname	oxool-on-centos7
memory	2048
net0	name=eth0,bridge=vmbro,firewall=1,ip6=dhcp,ip=dhcp
nodename	pvetest
ostemplate	local:vztmpl/centos-7-default_20190926_amd64.tar.xz
pool	
rootfs	PVE3:10
swap	2048
unprivileged	1
vmid	102

☐ Start after createdAdvanced ☐

Back

Finish

Task viewer: CT 102 - Create



Output

Status

Stop

```
extracting archive '/var/lib/vz/template/cache/centos-7-default_20190926_amd64.tar.xz'
Total bytes read: 422809600 (404MiB, 63MiB/s)
Detected container architecture: amd64
Creating SSH host key 'ssh_host_rsa_key' - this may take some time ...
done: SHA256:KZpYI1ep4RDzRCtkTTUnp5ZnGK8akgCxQmzQIICQ33U root@oxool-on-centos7
Creating SSH host key 'ssh_host_ed25519_key' - this may take some time ...
done: SHA256:vg1ii2I4mfWLpdhWLXoN5yRrmUpM7JBjt5JefBP37zA root@oxool-on-centos7
Creating SSH host key 'ssh_host_dsa_key' - this may take some time ...
done: SHA256:ZtRtzfIQ+SdJlpuLSId/U5R6oKlxe7nZellL/0IUYx0 root@oxool-on-centos7
Creating SSH host key 'ssh_host_ecdsa_key' - this may take some time ...
done: SHA256:u3qCQHd50ZAKfm4IXQ27X47tkvH4V5YJLIC2lo5uXDI root@oxool-on-centos7
TASK OK
```

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 "rockylinux-8-default" LXC template on your PVE first

Templates

Search

Type	Package	Version	Description
Section: mail (2 Items)			
lxc	proxmox-mailgateway-6.4-standard	6.4-1	Proxmox Mailgateway 6.4
lxc	proxmox-mailgateway-7.0-standard	7.0-1	Proxmox Mailgateway 7.0
Section: system (19 Items)			
lxc	alpine-3.14-default	20210623	LXC default image for alpine 3.14 (20210623)
lxc	gentoo-current-openrc	20220622	LXC openrc image for gentoo current (20220622)
lxc	centos-8-default	20201210	LXC default image for centos 8 (20201210)
lxc	debian-11-standard	11.3-1	Debian 11 Bullseye (standard)
lxc	fedora-34-default	20210427	LXC default image for fedora 34 (20210427)
lxc	debian-10-standard	10.7-1	Debian 10 Buster (standard)
lxc	archlinux-base	202104...	ArchLinux base image.
lxc	ubuntu-16.04-standard	16.04.5-1	Ubuntu Xenial (standard)
lxc	alpine-3.15-default	20211202	LXC default image for alpine 3.15 (20211202)
lxc	alpine-3.13-default	20210419	LXC default image for alpine 3.13 (20210419)
lxc	centos-7-default	20190926	LXC default image for centos 7 (20190926)
lxc	devuan-4.0-standard	4.0	Devuan 4.0 (standard)
lxc	rockylinux-8-default	20210929	LXC default image for rockylinux 8 (20210929)
lxc	centos-8-stream-default	20220327	LXC default image for centos 8-stream (20220327)

Download

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

Summary

Backups

ISO Images

CT Templates

Permissions

Templates Upload Remove

Name

rockylinux-8-default_20210929_amd64.tar.xz

Create a new CT using "Create CT" button

Create: LXC Container



General

Template

Root Disk

CPU

Memory

Network

DNS

Confirm

Key ↑	Value
cores	4
hostname	oxool-on-rockylinux8
memory	2048
net0	name=eth0,bridge=vmbro,firewall=1,ip6=dhcp,ip=dhcp
nodename	pvetest
ostemplate	local:vztmpl/rockylinux-8-default_20210929_amd64.tar.xz
pool	
rootfs	PVE3:10
swap	2048
unprivileged	1
vmid	102

☐ Start after createdAdvanced ☐

Back

Finish

Task viewer: CT 102 - Create



Output

Status

Stop

```
extracting archive '/var/lib/vz/template/cache/rockylinux-8-default_20210929_amd64.tar.xz'
Total bytes read: 692172800 (661MiB, 70MiB/s)
Detected container architecture: amd64
unknown ID 'rocky' in /etc/os-release file, trying fallback detection
Creating SSH host key 'ssh_host_dsa_key' - this may take some time ...
done: SHA256:/mXutQtwk5YXJfZ2Mcv0s1k/Ftb7/9kwydQMmtPAs8w root@oxool-on-rockylinux8
Creating SSH host key 'ssh_host_ecdsa_key' - this may take some time ...
done: SHA256:erynlvupGYycjXdQapJ5CKYzwTkilc49n3vQ5cfsJKQ root@oxool-on-rockylinux8
Creating SSH host key 'ssh_host_rsa_key' - this may take some time ...
done: SHA256:SUxH7fhQ2mJo1FjYVOY4Ah8luLQ57DmTJKMwT2f8gqo root@oxool-on-rockylinux8
Creating SSH host key 'ssh_host_ed25519_key' - this may take some time ...
done: SHA256:/qNY1R2yfbhjdGEAf06s2/yA9uziNt59F3n13HGUTEw root@oxool-on-rockylinux8
TASK OK
```

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

Templates

Search

Type	Package	Version	Description
Section: mail (2 Items)			
lxc	proxmox-mailgateway-7.0-standard	7.0-1	Proxmox Mailgateway 7.0
lxc	proxmox-mailgateway-6.4-standard	6.4-1	Proxmox Mailgateway 6.4
Section: system (19 Items)			
lxc	centos-8-stream-default	20220327	LXC default image for centos 8-stream (20220327)
lxc	rockylinux-8-default	20210929	LXC default image for rockylinux 8 (20210929)
lxc	alpine-3.13-default	20210419	LXC default image for alpine 3.13 (20210419)
lxc	centos-7-default	20190926	LXC default image for centos 7 (20190926)
lxc	devuan-4.0-standard	4.0	Devuan 4.0 (standard)
lxc	almalinux-8-default	20210928	LXC default image for almalinux 8 (20210928)
lxc	ubuntu-20.04-standard	20.04-1	Ubuntu Focal (standard)
lxc	opensuse-15.3-default	20210925	LXC default image for opensuse 15.3 (20210925)
lxc	ubuntu-18.04-standard	18.04.1-1	Ubuntu Bionic (standard)
lxc	devuan-3.0-standard	3.0	Devuan 3.0 (standard)
lxc	alpine-3.14-default	20210623	LXC default image for alpine 3.14 (20210623)
lxc	gentoo-current-openrc	20220622	LXC openrc image for gentoo current (20220622)
lxc	alpine-3.15-default	20211202	LXC default image for alpine 3.15 (20211202)
lxc	archlinux-base	202104...	ArchLinux base image.

Download

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

Summary

Backups

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CT Templates

Permissions

Templates

Upload

Remove

Name

ubuntu-20.04-standard_20.04-1_amd64.tar.gz

Create a new CT using "Create CT" button

Create: LXC Container



General

Template

Root Disk

CPU

Memory

Network

DNS

Confirm

Key ↑	Value
cores	4
hostname	oxool-on-ubuntu2004
memory	2048
net0	name=eth0,bridge=vmbro,firewall=1,ip6=dhcp,ip=dhcp
nodename	pvetest
ostemplate	local:vztmpl/ubuntu-20.04-standard_20.04-1_amd64.tar.gz
pool	
rootfs	PVE3:10
swap	2048
unprivileged	1
vmid	102

☐ Start after createdAdvanced ☐

Back

Finish

Task viewer: CT 102 - Create



Output

Status

Stop

```
extracting archive '/var/lib/vz/template/cache/ubuntu-20.04-standard_20.04-1_amd64.tar.gz'
Total bytes read: 669050880 (639MiB, 102MiB/s)
Detected container architecture: amd64
Creating SSH host key 'ssh_host_ed25519_key' - this may take some time ...
done: SHA256:0SV4PZ6k+U/lo0GadRHaxMRovutiSuih3iu9ufnUIkk root@oxool-on-ubuntu2004
Creating SSH host key 'ssh_host_rsa_key' - this may take some time ...
done: SHA256:T5LaiUwgHeUXahN265gljrxge8CGpvibRA6u9libV4 root@oxool-on-ubuntu2004
Creating SSH host key 'ssh_host_ecdsa_key' - this may take some time ...
done: SHA256:ImumBZUolZbKIwSRi9CohR5d11cHKcmSCJfh+IWgSog root@oxool-on-ubuntu2004
Creating SSH host key 'ssh_host_dsa_key' - this may take some time ...
done: SHA256:svZ/nLw2lyB+NWBsVAR52bfBwuE5Funl79b4Yble97g root@oxool-on-ubuntu2004
TASK OK
```

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/0SSII.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 executing 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
# Choose 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
```