




OxOffice Online ?????

☐ OxOffice Online ☐

- OxOffice Online ☐☐☐☐☐☐

- [CentOS 7 \(\)](#)
- [Ubuntu 18.04 \(\)](#)
- [CentOS 7 PVE LXC \(\)](#)
- [Ubuntu 18.04 PVE LXC \(\)](#)
- [CentOS 7 OxOffice Online v4](#)
- [Rocky Linux 8 OxOffice Online v4](#)
- [Ubuntu 20.04 OxOffice Online v4](#)
- [PVE LXC CentOS 7 OxOffice Online v4](#)
- [PVE LXC Rocky Linux 8 OxOffice Online v4](#)
- [PVE LXC Ubuntu 20.04 OxOffice Online v4](#)
- [Rocky Linux 8 OxOffice Online v5](#)
- [Ubuntu 24.04 OxOffice Online v5](#)

- [OxOffice Online](#) ☐

-  OxOOL SSL 
-  Nextcloud  OxOOL

- OxOffice Online ☐ ☐ ☐ ☐ ☐ ☐

- CentOS 7 [REDACTED] OxOOL
- Ubuntu 18.04 [REDACTED] OxOOL
- CentOS 7 [REDACTED] OxOffice Online v4 [REDACTED]
- Rocky Linux 8 [REDACTED] OxOffice Online v4 [REDACTED]
- Ubuntu 20.04 [REDACTED] OxOffice Online v4 [REDACTED]
- Rocky Linux 9 [REDACTED] OxOffice Online v4 [REDACTED]
- Rocky Linux 8 [REDACTED] OxOffice Online v5 [REDACTED]
- Ubuntu 24.04 [REDACTED] OxOffice Online v5 [REDACTED]

- [OxOffice Online v4 \[\] \[\] \[\] \[\]](#)

- [OxOOL v4 \[\] \[\] \[\] \[\] \[\] \[\]](#)

- [OxOOL \[\] \[\] \[\] \[\] \[\] \[\]](#)

- [OxOffice Online \[\] \[\] \[\] \[\]](#)

- [OxOffice Online \[\] \[\] \[\] \[\] \[\] \[\]](#)

OxOffice Online ????????

XXXXXXXXXXXX OxOffice Online (OxOOL) XX

XXXXXX Nextcloud XXXXXXXX Nextcloud XXXXXX
https://docs.ossii.com.tw/books/nextcloudXXXXXXXXXXXX

? CentOS 7 ?????(???)

- 安裝 CentOS 7 安裝時間 2009 年 [Minimal](#) [Desktop](#) - 安裝 CentOS 安裝 [\[1\]](#) [\[2\]](#) [\[3\]](#)

安裝時間 IP 安裝時間

- 安裝 root 安裝時間 OxOOL Community 安裝

```
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
```

- 安裝 SELinux

```
vim /etc/selinux/config # vim 安裝時間
# 安裝 SELinux=enforcing 安裝 enforcing 安裝 disabled 安裝 permissive 安裝
```

- 安裝 firewalld 安裝 9980 port

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

- 安裝

```
systemctl enable oxool
reboot
```

- 安裝 root 安裝 OxOOL Community 安裝

```
netstat -tlnp
```

安裝

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

■■■■■■■■■■■■■■■■■■■■

■■■■■■■

Nextcloud ■■■■■■■■■■

[Nextcloud 20 ■■■■](#) ■

? Ubuntu 18.04 ?????(???)

- 下載 Ubuntu 18.04 64 位 Server 或 64 位 Desktop [\[1\]](#) [\[2\]](#)

取得 IP 地址 [\[3\]](#)

- 新增 User [OxOOL Community](#)

```
sudo apt update
sudo apt upgrade -y
sudo apt install vim openssh-server net-tools curl -y
# 按 Enter 鍵輸入 yes
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
```

- 安裝

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

- 安裝 [OxOOL Community](#)

```
sudo netstat -tlnp
```

輸出

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
tcp	0	0	127.0.0.53:53	0.0.0.0:*	LISTEN	6523/systemd-

resolv						
tcp	0	0	0.0.0.0:22	0.0.0.0:*	LISTEN	
4389/sshd						
tcp	0	0	127.0.0.1:25	0.0.0.0:*	LISTEN	
2575/master						
tcp6	0	0	:::9980	:::*	LISTEN	
22383/oxool						
tcp6	0	0	:::22	:::*	LISTEN	
4389/sshd						
tcp6	0	0	:::1:25	:::*	LISTEN	2575/master

██████ ezgo ███ Franklin ███ ~

██████ Nextcloud ██████████ [Nextcloud 20](#) ████_█

? CentOS 7 PVE LXC ??????(???)

- PVE centos-7-default_20190926_amd64.tar.xz LXC

節點 'pve1' 上的儲存 'local'

概觀

內容

權限

還原 移除 範本 上傳 顯示設定內容

名稱
ISO 映像 (5 Items)
CentOS-7-x86_64-Minimal-1908.iso
CentOS-8.1.1911-x86_64-boot.iso
ubuntu-18.04.1-desktop-amd64.iso
ubuntu-18.04.4-desktop-amd64.iso
ubuntu-18.04.4-live-server-amd64.iso
容器範本 (2 Items)
centos-7-default_20190926_amd64.tar.xz
ubuntu-18.04-standard_18.04.1-1_amd64.tar.gz

- CT

建立: LXC 容器



一般

範本

啟始磁碟

CPU

記憶體

網路

DNS

確認

節點: pve1

CT ID: 105

主機名稱: oxool-lxc-test

無特權容器: ☐

資源集區:

密碼:

確認密碼:

SSH 公開金鑰:

載入 SSH 金鑰檔案

? 說明

進階 ☒

返回

繼續

建立: LXC 容器



一般

範本

啟始磁碟

CPU

記憶體

網路

DNS

確認

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/centos-7-default_20190926_amd64.tar.xz
pool	
rootfs	OSSIIPVE1:8
searchdomain	8.8.8.8
swap	2048
vmid	105

☐ 建立完成後開機進階 ☒

返回

完成

Task viewer: CT 105 - 建立



輸出

狀態

停止

```
extracting archive '/var/lib/vz/template/cache/centos-7-default_20190926_amd64.tar.xz'
Total bytes read: 422809600 (404MiB, 55MiB/s)
Detected container architecture: amd64
Creating SSH host key 'ssh_host_ecdsa_key' - this may take some time ...
done: SHA256:v9clmA/kbCbgeoJG1XG0zkt2GEgD4jQjVT7kh0ik0A0 root@oxool-lxc-test
Creating SSH host key 'ssh_host_rsa_key' - this may take some time ...
done: SHA256:DrDj/hQMM9jr8I3Td721i0CRtpHcGt6WkOJ4Hlo5z9s root@oxool-lxc-test
Creating SSH host key 'ssh_host_dsa_key' - this may take some time ...
done: SHA256:JxIzMaRfoPj2eoiYAXaQOSFNdn0eICnCH1L9gV60Ws root@oxool-lxc-test
Creating SSH host key 'ssh_host_ed25519_key' - this may take some time ...
done: SHA256:s6y4Na/X9+m95rUW85OM5QFc8cNnDQthVcQitUEDlBU root@oxool-lxc-test
TASK OK
```


- 安裝 (約 10 分鐘) 的 OxOOL 服務

```
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
```

- 啟用 OxOOL 服務

```
systemctl enable oxool
reboot
```

- 安裝 OxOOL Community 的 netstat

```
netstat -tlnp
```

輸出結果

```
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
```

安裝 OxOOL 服務

→ 安裝 OxOOL 服務

OxOOL 服務

LXC 容器

? Ubuntu 18.04 PVE LXC ????? (???)

- PVE ubuntu-18.04-standard_18.04.1-1_amd64.tar.gz LXC

節點 'pve1' 上的儲存 'local'

概觀	<div>還原 移除 範本 上傳 顯示設定內容</div>
內容	名稱
權限	<div>ISO 映像 (5 Items)</div> <div>CentOS-7-x86_64-Minimal-1908.iso</div> <div>CentOS-8.1.1911-x86_64-boot.iso</div> <div>ubuntu-18.04.1-desktop-amd64.iso</div> <div>ubuntu-18.04.4-desktop-amd64.iso</div> <div>ubuntu-18.04.4-live-server-amd64.iso</div> <div>容器範本 (2 Items)</div> <div>centos-7-default_20190926_amd64.tar.xz</div> <div>ubuntu-18.04-standard_18.04.1-1_amd64.tar.gz</div>

- CT

建立: LXC 容器



一般

範本

啟始磁碟

CPU

記憶體

網路

DNS

確認

節點: pve1

CT ID: 105

主機名稱: oxool-lxc-test

無特權容器: ☐

資源集區:

密碼:

確認密碼:

SSH 公開金鑰:

載入 SSH 金鑰檔案

? 說明

進階 ☒

返回

繼續

建立: LXC 容器



一般

範本

啟動磁碟

CPU

記憶體

網路

DNS

確認

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

☐ 建立完成後開機進階 ☒

返回

完成

Task viewer: CT 105 - 建立



輸出

狀態

停止

```
extracting archive '/var/lib/vz/template/cache/ubuntu-18.04-standard_18.04.1-1_amd64.tar.gz'
Total bytes read: 637347840 (608MiB, 65MiB/s)
Detected container architecture: amd64
Creating SSH host key 'ssh_host_ed25519_key' - this may take some time ...
done: SHA256:MLsz7ueUypNPXlmVklTIp4dyuqt6d8Dr1UX7/UpHRDk root@oxool-lxc-test
Creating SSH host key 'ssh_host_ecdsa_key' - this may take some time ...
done: SHA256:dT5WqOKTfwu1jv25t+XhbwTJ8xVnSTpk5I3TwGfexuo root@oxool-lxc-test
Creating SSH host key 'ssh_host_dsa_key' - this may take some time ...
done: SHA256:deoBi6GkKZco02laOyGs15uTFJ8CanNyyQd51WZXO2I root@oxool-lxc-test
Creating SSH host key 'ssh_host_rsa_key' - this may take some time ...
done: SHA256:VDbC9Eps/5X6nFooOt7pjYdA1Qs9Vv3jhU8KM7uWfNM root@oxool-lxc-test
TASK OK
```


- 安裝 (約 20 分鐘) 安裝

```
apt update
apt upgrade -y
apt install vim openssh-server net-tools curl gnupg2 -y
# 安裝時會詢問是否繼續安裝 yes

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
```

- 安裝

```
systemctl enable oxool
reboot
```

- 安裝 OxOOL Community 安裝

```
netstat -tlnp
```

安裝

```
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
```

安裝

→ 安裝

OxOOL 安裝

LXC 安裝

OxOffice Online 安裝

? CentOS 7 ????? OxOffice Online v4 ???

安裝 CentOS 7 最小化安裝
安裝 OxOffice Online v4
安裝 root 權限 sudo

```
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
```

SELinux

```
sudo vim /etc/selinux/config # vim 編輯文件
# SELinux=enforcing enforcing disabled permissive
```

安裝 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
```

安裝 OxOOL 服務

```
sudo systemctl enable oxoolwsd
sudo reboot
```

netstat OxOOL 服務

```
sudo netstat -tlnp
```

安裝 OxOOL 服務

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


OxOffice Online 安裝

? Rocky Linux 8 ????? OxOffice Online v4 ???

安裝

Rocky Linux 8

[Rocky Linux 8](#)

安裝

OxOffice Online v4

安裝

root

sudo

```
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
```

SELinux

```
sudo vim /etc/selinux/config # vim 編輯
# SELinux=enforcing enforcing disabled permissive
```

安裝

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
```

安裝

OxOOL

```
sudo systemctl enable oxoolwsd
sudo reboot
```

netstat OxOOL

```
sudo netstat -tlnp
```


XXXXXXXXXX

OxOOL XXX

tcp6 0 0 :::9980XX :::* XLISTEN 644/oxool

OxOffice Online 繁體中文

? Ubuntu 20.04 ????? OxOffice Online v4 ???

繁體中文

Ubuntu 20.04 繁體中文

[Ubuntu Server 20.04 繁體中文](#)

繁體中文

OxOffice Online v4 繁體中文

```
sudo apt update
sudo apt upgrade -y
sudo apt install vim openssh-server net-tools curl -y
# 確認安裝成功 yes
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
```

繁體中文

OxOOL 繁體中文

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

netstat 繁體中文 OxOOL 繁體中文

```
sudo netstat -tlnp
```

繁體中文

OxOOL 繁體中文

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


? PVE ? LXC ?? CentOS 7 ???? OxOffice Online v4 ???

PVE CT CentOS 7 centos-7-default

範本

搜尋

類別	套件	版本	說明
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	opensuse-15.3-default	20210925	LXC default image for opensuse 15.3 (20210925)
lxc	rockylinux-8-default	20210929	LXC default image for rockylinux 8 (20210929)
lxc	centos-7-default	20190926	LXC default image for centos 7 (20190926)
lxc	gentoo-current-openrc	20220622	LXC openrc image for gentoo current (20220622)
lxc	alpine-3.13-default	20210419	LXC default image for alpine 3.13 (20210419)
lxc	devuan-4.0-standard	4.0	Devuan 4.0 (standard)
lxc	debian-11-standard	11.3-1	Debian 11 Bullseye (standard)
lxc	devuan-3.0-standard	3.0	Devuan 3.0 (standard)
lxc	ubuntu-20.04-standard	20.04-1	Ubuntu Focal (standard)
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	debian-10-standard	10.7-1	Debian 10 Buster (standard)
lxc	alpine-3.14-default	20210623	LXC default image for alpine 3.14 (20210623)
lxc	fedora-34-default	20210427	LXC default image for fedora 34 (20210427)

下載

CentOS 7

概觀

備份

ISO 映像

CT 範本

權限

範本 上傳 移除

名稱

centos-7-default_20190926_amd64.tar.xz

--	--	--	--	--	--	--	--	--

CT

--	--	--	--	--

LXC

[illegible]

建立: LXC 容器



一般

範本

啟動磁碟

CPU

記憶體

網路

DNS

確認

Key ↑	Value
cores	4
hostname	oxool-on-centos7
memory	2048
net0	name=eth0,bridge=vibr0,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	127

☐ 建立完成後開機進階 ☐

[返回](#)

完成

Task viewer: CT 127 - 建立

輸出

狀態

停止

```
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_dsa_key' - this may take some time ...
done: SHA256:T6s473iZKCeEsRrJeDrAaWYZK/YB7c5+/GrFdfKH0xS root@oxool-on-centos7
Creating SSH host key 'ssh_host_ecdsa_key' - this may take some time ...
done: SHA256:jypp9DZarL6kW6+AuNjL66RRIGq4RnkKM/JZH0yDnc root@oxool-on-centos7
Creating SSH host key 'ssh_host_rsa_key' - this may take some time ...
done: SHA256:5CPVS8QZUrS6KIWBylnwdeu7GUhJ9dpppFvww6G6e4 root@oxool-on-centos7
Creating SSH host key 'ssh_host_ed25519_key' - this may take some time ...
done: SHA256:Kuf+innUbnLSHxp3YldvKkpmv8zPf5CP/OVF5keUEvQ root@oxool-on-centos7
TASK OK
```

[illegible]LXC 

root

```
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 "0x00L Community Group" -y
```



```
systemctl enable oxoolwsd
reboot
```

netstat -xOxOOL

```
netstat -tlnp
```






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


? PVE ? LXC ?? Rocky Linux 8 ???? OxOffice Online v4 ???

PVE CT Rocky Linux 8 rockylinux-8-default

範本

搜尋

類別	套件	版本	說明
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	centos-8-stream-default	20220327	LXC default image for centos 8-stream (20220327)
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	almalinux-8-default	20210928	LXC default image for almalinux 8 (20210928)
lxc	centos-8-default	20201210	LXC default image for centos 8 (20201210)
lxc	ubuntu-18.04-standard	18.04.1-1	Ubuntu Bionic (standard)
lxc	devuan-4.0-standard	4.0	Devuan 4.0 (standard)
lxc	alpine-3.13-default	20210419	LXC default image for alpine 3.13 (20210419)
lxc	rockylinux-8-default	20210929	LXC default image for rockylinux 8 (20210929)
lxc	opensuse-15.3-default	20210925	LXC default image for opensuse 15.3 (20210925)
lxc	gentoo-current-openrc	20220622	LXC openrc image for gentoo current (20220622)
lxc	centos-7-default	20190926	LXC default image for centos 7 (20190926)

下載

Rocky Linux 8

概觀

備份

ISO 映像

CT 範本

權限

範本

上傳

移除

名稱

rockylinux-8-default_20210929_amd64.tar.xz

CT LXC

確認

☐ 建立完成後開機

完成

⊗

狀態

停止

```
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 "0x00L Community Group" -y
```



```
systemctl enable oxoolwsd
reboot
```

netstat -OxOOL

```
netstat -tlnp
```

0x00L

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


? PVE ? LXC ?? Ubuntu 20.04 ???? OxOffice Online v4 ???

PVE CT Ubuntu 20.4 ubuntu-20.04-standard

範本

搜尋

類別	套件	版本	說明
lxc	alpine-3.14-default	20210623	LXC default image for alpine 3.14 (20210623)
lxc	fedora-34-default	20210427	LXC default image for fedora 34 (20210427)
lxc	centos-8-stream-default	20220327	LXC default image for centos 8-stream (20220327)
lxc	ubuntu-18.04-standard	18.04.1-1	Ubuntu Bionic (standard)
lxc	centos-8-default	20201210	LXC default image for centos 8 (20201210)
lxc	almalinux-8-default	20210928	LXC default image for almalinux 8 (20210928)
lxc	archlinux-base	202104...	ArchLinux base image.
lxc	opensuse-15.3-default	20210925	LXC default image for opensuse 15.3 (20210925)
lxc	rockylinux-8-default	20210929	LXC default image for rockylinux 8 (20210929)
lxc	centos-7-default	20190926	LXC default image for centos 7 (20190926)
lxc	gentoo-current-openrc	20220622	LXC openrc image for gentoo current (20220622)
lxc	alpine-3.13-default	20210419	LXC default image for alpine 3.13 (20210419)
lxc	devuan-4.0-standard	4.0	Devuan 4.0 (standard)
lxc	debian-11-standard	11.3-1	Debian 11 Bullseye (standard)
lxc	devuan-3.0-standard	3.0	Devuan 3.0 (standard)
lxc	ubuntu-20.04-standard	20.04-1	Ubuntu Focal (standard)
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)

下載

Ubuntu 20.04

節點 'pvetest' 上的儲存 'local'

概觀

備份

ISO 映像

CT 範本

權限

範本 上傳 移除

名稱

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

建立: LXC 容器

一般

範本

啟動磁碟

CPU

記憶體

網路

DNS

確認

Key ↑	Value
cores	2
hostname	OxOOLonUbuntu20.04
memory	2048
net0	name=eth0,bridge=vbr0,firewall=1,ip6=dhcp,ip=dhcp
nodename	pvetest
ostemplate	local:vztmpl/ubuntu-20.04-standard_20.04-1_amd64.tar.gz
pool	
rootfs	PVE3:8
swap	2048
unprivileged	1
vmid	127

☐ 建立完成後開機

進階 ☐

返回

完成

Task viewer: CT 127 - 建立

輸出

狀態

停止

```
extracting archive '/var/lib/vz/template/cache/rockylinux-8-default_20210929_amd64.tar.xz'
Total bytes read: 692172800 (661MiB, 52MiB/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: SHA256:4DLGpryJCoYbKkz51KEICjwF30+QLFNuTJmAINCtB9c root@oxoolonrockylinux8
Creating SSH host key 'ssh_host_ecdsa_key' - this may take some time ...
done: SHA256:38eb1pM0zc5pxDHNTK3jURvcpYAfz5z2RnatwZ68WUY root@oxoolonrockylinux8
Creating SSH host key 'ssh_host_rsa_key' - this may take some time ...
done: SHA256:vmA4mr60r73+ZLEYaogrs5ycD8iUIJmF8d8O9lw52as root@oxoolonrockylinux8
Creating SSH host key 'ssh_host_ed25519_key' - this may take some time ...
done: SHA256:G9BK+7/TqLFTM49GNGwoUppdaBMyB0Oe8Frvly33lZw root@oxoolonrockylinux8
TASK OK
```



```
apt update
apt upgrade -y
apt install vim openssh-server net-tools curl gnupg2 wget -y
# 確認メッセージに yes
curl http://www.oxoffice.com.tw/deb/OSSI.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
```

確認 OxOOL 確認

```
systemctl enable oxool
reboot
```

netstat 確認 OxOOL 確認

```
netstat -tlnp
```

確認 OxOOL 確認

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

確認 → 確認 OxOOL 確認 LXC 確認

OxOffice Online 安装

? Rocky Linux 8 安装 OxOffice Online v5 教程

安装环境

Rocky Linux 8 64位

[Rocky Linux 8 安装](#)

安装 OxOffice Online v5

OxOffice Online v5

安装 OxOffice Online v5

root 用户

sudo

```
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
```

SELinux

```
sudo vim /etc/selinux/config # vim 编辑器
# SELinux=enforcing 强制 enforcing 禁用 disabled 宽松 permissive 宽松
```

安装防火墙

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
```

安装 OxOOL

OxOOL 安装

```
sudo systemctl enable oxoolwsd
sudo reboot
```

netstat 查看 OxOOL 端口

```
sudo netstat -tlnp
```

安装 OxOOL

OxOOL 安装


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


? Ubuntu 24.04 ????? OxOffice Online v5 ???

繁體中文 Ubuntu 24.04 安裝 OxOffice Online v5 步驟

```
sudo apt update
sudo apt upgrade -y
sudo apt install vim openssh-server net-tools curl -y
# 安裝過程中會詢問是否繼續安裝，輸入 yes 即可
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
```

安裝完成 OxOOL 啟動

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

檢查 netstat 是否 OxOOL 啟動

```
sudo netstat -tlnp
```

安裝完成 OxOOL 啟動

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


OxOffice Online ?????

□ OxOffice Online □□□□□□□□

???? OxOOL SSL ??

配置 OxOOL 的 SSL 设置
hostname

- [SSL For Free](#) [SSL](#) [Let's Encrypt](#)
- OxOOL 的 SSL 证书文件位于 `/etc/oxool/ssl` 目录下，包含以下文件：
 - `ca_bundle.crt`
 - `certificate.crt`
 - `private.key`
- 使用 `vim` 编辑 `/etc/oxool/oxoolwsd.xml` 文件，将 `<enable>` 设置为 `true`，并指定证书文件路径：

```
<cert_file_path>/etc/oxool/ssl/certificate.crt</cert_file_path>  
<key_file_path>/etc/oxool/ssl/private.key</key_file_path>  
<ca_file_path>/etc/oxool/ssl/ca_bundle.crt</ca_file_path>
```

```
<ssl desc="SSL settings">  
  <enable type="bool" desc="Controls whether SSL encryption is enable (do not disable for  
production deployment). If default is false, must first be compiled with SSL support to  
enable." default="true">true</enable>  
  <termination desc="Connection via proxy where oxoolwsd acts as working via https, but  
actually uses http." type="bool" default="true">>false</termination>  
  <cert_file_path desc="Path to the cert file"  
relative="false">/etc/oxool/ssl/certificate.crt</cert_file_path>  
  <key_file_path desc="Path to the key file"  
relative="false">/etc/oxool/ssl/private.key</key_file_path>  
  <ca_file_path desc="Path to the ca file"  
relative="false">/etc/oxool/ssl/ca_bundle.crt</ca_file_path>  
  <cipher_list desc="List of OpenSSL ciphers to accept"  
default="ALL:!ADH:!LOW:!EXP:!MD5:@STRENGTH"></cipher_list>  
  <hpkp desc="Enable HTTP Public key pinning" enable="false" report_only="false">  
    <max_age desc="HPKP's max-age directive - time in seconds browser should remember the  
pins" enable="true">1000</max_age>  
    <report_uri desc="HPKP's report-uri directive - pin validation failure are reported at  
this URL" enable="false"></report_uri>  
    <pins desc="Base64 encoded SPKI fingerprints of keys to be pinned">
```



```

        <pin></pin>
    </pins>
</hpkp>
</ssl>

```

- | | | | | | | | |
|--|--|--|--|--|--|--|--|
| | | | | | | | |
|--|--|--|--|--|--|--|--|

 0x00L

--	--	--

 SSL

--	--

 0x00L

--

```
# systemctl restart oxool
```

- 

https://yourhostname:9980

- PS [] Nextcloud / ownCloud [] SSL [] OoOL
[]

1. richdocument FQDN IP
2. Nextcloud / ownCloud OxOOL SSL OxOOL
 ca_bundle.crt copy Nextcloud
ca-bundle.crt

```
[nextcloud] /resources/config/ca-bundle.crt
```


[illegible]

- ```
systemctl restart oxool
```



# OxOffice Online ???????

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|--|--|--|--|--|--|

GitHub ☐ ☐ ☐ ☐ ☐

OxOffice Online

OxOffice

[illegible]



# ? CentOS 7 ????? OxOOL

- 本文 介绍 CentOS 7 安装 (步骤 ) 安装 CentOS 7 后 OxOOL 安装步骤 SELinux 配置 配置 root 权限

- 安装 OxOOL

```
sudo systemctl stop oxool
sudo systemctl disable oxool
```

- 安装 OxOOL 依赖

```
sudo yum install epel-release -y
sudo yum update -y
sudo yum install git yum-utils libpcap libcap-devel poco-devel ccache python36-polib python36-lxml -y
sudo yum install libtool gcc-c++ fontconfig-devel cppunit-devel pam-devel rpm-build -y
```

- 安装 Node.js

```
curl -fsSL https://rpm.nodesource.com/setup_16.x | sudo bash -
sudo yum install nodejs -y
```

- 克隆 OxOOL 仓库

```
git clone https://github.com/OSSII/oxool-community.git
```

- 安装 OxOOL 包

```
cd oxool-community
./autogen.sh
./configure
make dist
rpmbuild -tb oxool-x.x.x.tar.gz # 编译并安装 oxool-3.2.11.tar.gz 包
oxool-x.x.x.tar.gz 安装
```

- 安装 rpm 包



~/rpmbuild/RPMS/x86\_64





# ? Ubuntu 18.04 ????? OxOOL

- 本文 介绍 Ubuntu 18.04 安装 OxOOL 的步骤

- 安装 OxOOL

```
sudo systemctl stop oxool
sudo systemctl disable oxool
```

- 安装 git

```
sudo apt install git -y
```

- 克隆 OxOOL 仓库

```
git clone https://github.com/OSSII/oxool-community.git
```

- 进入 Ubuntu 18.04 安装目录

```
cd oxool-community
./install_build_require_ubuntu.sh
```

- 安装 Node.js

```
curl -fsSL https://deb.nodesource.com/setup_16.x | sudo -E bash -
sudo apt install -y nodejs
```

- 安装 OxOOL

进入 oxool-cummunity 目录

```
cd oxool-community
./autogen.sh # 安装 fontconfig 和 libfontconfig1-dev 库
make -j2
```

编译完成

```
[sudo] password for oxoffice:
```







OxOffice Online 繁體中文

# ? CentOS 7 ????? OxOffice Online v4 ???

繁體中文 CentOS 7  
root 繁體中文 devtoolset-11 繁體中文 GCC 繁體中文 GCC  
繁體中文 GCC 8 繁體中文

```
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 install epel-release -y
sudo yum upgrade -y
sudo yum install git yum-utils libpcap libcap-devel libgit2-devel poco-devel ccache python36-
devel python36-polib python36-lxml -y
sudo yum install libtool gcc-c++ fontconfig-devel cppunit-devel pam-devel rpm-build -y
sudo yum install oxoffice* poco* gumbo* -y
sudo yum install centos-release-scl
sudo yum install devtoolset-11
```

## SELinux

```
vim /etc/selinux/config # vim 繁體中文
SELinux=enforcing 繁體中文 enforcing 繁體中文 disabled 繁體中文 permissive 繁體中文
```

## Node.js

```
curl -fsSL https://rpm.nodesource.com/setup_16.x | sudo bash -
sudo yum install nodejs -y
```

## OxOffice Online v4 繁體中文 clone 繁體中文

```
git clone https://github.com/OSSII/oxool-community.git
cd oxool-community
git checkout v4
```



□□ OxOffice Online v4 □□□□□□

[illegible]

```
scl enable devtoolset-11 bash
./autogen.sh
./configure
make dist
rpmbuild -tb oxool-x.x.x.tar.gz
```

□□□□□ RPM □□□□□□□□□□

~/rpmbuild/RPMS/x86\_64

□□□ RPM □□□□□□□□□□



? Rocky Linux 8 ?????? OxOffice  
Online v4 ???

□ root □□□

## SELinux

Node.js

OxOffice Online v4  clone 

 OxOffice Online v4 



```
./autogen.sh
./configure
make dist
rpmbuild -tb oxool-x.x.x.tar.gz
```

■■■■ RPM ■■■■■■■■

```
~/rpmbuild/RPMS/x86_64
```

■■■ RPM ■■■■■■■■



OxOffice Online

# ? Ubuntu 20.04 ???? OxOffice Online v4 ???

Ubuntu 20.04 [Ubuntu Server 20.04](#)

```
sudo apt update
sudo apt upgrade -y
sudo apt install vim openssh-server net-tools curl git -y
yes
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 oxoffice* libpoco-dev
```

```
sudo apt update
sudo apt install -y build-essential libsqlite3-dev libcurl4-openssl-dev libcppunit-dev libcap-dev libcap2-bin libgit2-dev libtool libpng-dev automake m4 wget curl autoconf pkg-config openssl ccache fontconfig libfontconfig1-dev libpam-dev
sudo apt install -y devscripts debhelper dh-systemd dh-exec
sudo apt install -y libodbc1 libpcre16-3 libpcre3-dev libpcre32-3 libpcrecpp0v5
sudo apt install -y hunspell
sudo apt install -y python3-polib python3-lxml
```

Node.js

```
cd ~
curl -fsSL https://deb.nodesource.com/setup_20.x | sudo -E bash -
sudo apt install -y nodejs
```

OxOffice Online v4 clone

```
cd ~
git clone https://github.com/OSSII/oxool-community.git
```



```
cd oxool-community
git switch v4
```

📁 OxOffice Online v4 📁

```
debuild -b -uc -us
```

📁 deb 📁

```
cd ..
ls oxool_4.x.x-1.community_amd64.deb
```

📁 DEB 📁

📁 Node.js/npm 📁

```
cd loleaflet
npm install
cd archived-packages
npm install
cd ..
touch node_modules
```

📁



OxOffice Online

# ? Rocky Linux 9 ????? OxOffice Online v4 ???

Rocky Linux 9

root

```
sudo dnf config-manager --set-enabled crb
sudo dnf upgrade -y
sudo dnf install vim net-tools unzip wget -y
sudo wget -O /etc/yum.repos.d/ooxml-community-v4-el8.repo
http://www.oxoffice.com.tw/rpm/el/oxool-community-v4-el8.repo
sudo dnf install epel-release -y
sudo dnf upgrade -y
sudo dnf install git yum-utils libpcap libcap-devel libgit2-devel poco-devel ccache python3-
devel python3-polib python3-lxml -y
sudo dnf install libtool gcc-c++ fontconfig-devel cppunit-devel pam-devel rpm-build -y
sudo dnf install oxoffice* poco* gumbo* -y
```

SELinux

```
vim /etc/selinux/config # vim
SELinux=enforcing enforcing disabled permissive
```

Node.js

```
sudo dnf module enable nodejs:18 -y
sudo dnf install nodejs -y
```

OxOffice Online v4 clone

```
git clone https://github.com/OSSII/oxool-community.git
cd oxool-community
git switch v4
```

OxOffice Online v4



```
./autogen.sh
./configure
make dist
rpmbuild -tb oxool-x.x.x.tar.gz
```

■■■■ RPM ■■■■■■■■

```
~/rpmbuild/RPMS/x86_64
```

■■■ RPM ■■■■■■■■



# ? Rocky Linux 8 ????? OxOffice Online v5 ???

安裝 Rocky Linux 8 安裝 [Rocky Linux 8 安裝](#)

安裝完成後，請執行以下指令：

1. root 權限

```
sudo dnf config-manager --set-enabled powertools
sudo dnf upgrade -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 install epel-release -y
sudo dnf upgrade -y
sudo dnf install make git yum-utils libpcap libcap-devel libgit2-devel libzstd-devel poco-
devel ccache python3-devel python3-polib python3-lxml -y
sudo dnf install libtool gcc-c++ fontconfig-devel cppunit-devel pam-devel rpm-build -y
sudo dnf install oxoffice* poco* -y
```

2. SELinux

```
vim /etc/selinux/config # vim 開啟檔案
將 SELinux=enforcing 改為 enforcing 或 disabled 或 permissive 即可
```

3. Node.js

```
sudo dnf module enable nodejs:18 -y
sudo dnf install nodejs -y
```

4. OxOffice Online v5 安裝 clone 安裝

```
git clone https://github.com/OSSII/oxool-community.git
cd oxool-community
git switch v5
```

5. OxOffice Online v5 安裝



```
./autogen.sh
make dist
rpmbuild -tb oxool-x.x.x.tar.gz
```

■■■■ RPM ■■■■■■■■

```
~/rpmbuild/RPMS/x86_64
```

■■■ RPM ■■■■■■■■



# ? Ubuntu 24.04 ????? OxOffice Online v5 ???

Ubuntu 24.04

```
sudo apt update
sudo apt upgrade -y
sudo apt install vim openssh-server net-tools curl git -y
yes
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 oxoffice* libpoco-dev libgumbo-dev
```

```
sudo apt update
sudo apt install -y build-essential libsqlite3-dev libcurl4-openssl-dev libcppunit-dev libcap-
dev libcap2-bin libgit2-dev libtool libpng-dev automake m4 wget autoconf pkg-config openssl
libgumbo-dev ccache fontconfig libfontconfig1-dev libpam-dev
sudo apt install -y devscripts debhelper dh-exec
sudo apt install -y libpcre16-3 libpcre3-dev libpcre32-3 libpcrecpp0v5
sudo apt install -y hunspell
sudo apt install -y python3-polib python3-lxml
```

Node.js

```
cd ~
curl -fsSL https://deb.nodesource.com/setup_20.x -o nodesource_setup.sh
sudo -E bash nodesource_setup.sh
sudo apt install -y nodejs
```

OxOffice Online v5

clone



```
cd ~
git clone https://github.com/OSSII/oxool-community.git
cd oxool-community
git switch v5
```

📁 OxOffice Online v5 📁

```
./autogen.sh
debuild -b -uc -us
```

📁 deb 📁

```
cd ..
ls oxool*.deb
```

📁 DEB 📁

📁 Node.js/npm 📁

```
cd loleaflet
npm install
cd archived-packages
npm install
cd ..
touch node_modules
```

📁



# OxOffice Online v4 ?????



OxOffice Online Module SDK  OxOffice Online 



# OxOOL v4

## 

- `oxool-community` `oxool`
  - `autogen.sh` `configure`  
`autogen.sh` `--enable-debug` `ModuleTesting`
  - `rpmbuild` `debuild` `oxool` `oxool-dev`
- `oxool-dev` `oxool-dev`  
`oxool-module-maker`

## oxool-module-maker

- `oxool-module-maker`
  - `--module-name=name` : `^[\\w\\@#]+`  
0-9 # @ ' '
  - `--serviceURI=serviceURI` : `/`  
"/oxool/user/" /oxool/user/add  
/oxool/user/del /oxool/user/update /  
"
  - `--version=version` : "0.0.1"
  - `--summary=summary` : Summary rpm
  - `--description=Description` : Description deb
  - `--author=author` : git user.name  
user.email
  - `--license=license` : MPLv2.0
  - `--adminPrivilege=true/false` : admin false
  - `--adminIcon=icon` : getbootstrap.com  
"bug-fill"
  - `--adminItem=text` :
  - `--template-path=path` :  
/usr/share/oxool-devel/module-template
  - `--output-path=path` :  
~
  -



```
oxool-module-maker --module-name="samplemod" --serviceURI="/oxool/samplemod/" --summary="A
sample moudle service on 0x00L" --description="A sample module service on 0x00L" --output-
path="/home/oxool/git"
```

- `output-path` `git repository` `template-path`

????????

- `autogen.sh` `configure` `configure`  
`Makefile`
- `make`
- `oxool-community` `make run` `oxool`
- `./test.sh <XML >` `test.sh` `oxool`  
`ModuleTesting` `XML` `ModuleTesting` `oxool`  
`.so` `.libs/` `.so`  
`serviceURI`  
`http://127.0.0.1:9980/oxool/samplemod/`
- `test.sh` `.so` `oxool`



# OxOOL ???????

OxOOL

# OxOOL ?????????

oxool-module-maker oxool-dev

- ModuleConfiguration.md :
- module.xml.in : configure XML oxool-module-maker XML ModuleConfiguration.md autogen.sh configure
- module.spec.in : rpm spec
- debian/\* : deb
- admin/\* : module.xml.in <adminItem> oxool-module-maker --adminItem README.md
- src/\* : C++ .so OxOOL
- html/\* : C++ index.html
- test.sh : XML OxOOL

# OxOOL ??? C++ ???????

oxool-module-maker src Module.cpp

- getVersion() :
- initialize() :
- handleRequest() : Client
- handleAdminRequest() :
- handleAdminMessage() : websocket



# OxOffice Online ?????

**OxOOL** `/etc/oxool/oxoolwsd.xml`

```
<allowed_languages>
de_DE en_GB en_US es_ES fr_FR it nl pt_BR pt_PT ru
</allowed_languages>

<sys_template_path>
systemplate
LibreOfficeKit LibreOffice chroot jails
</sys_template_path>

<child_root_path>
child_root_path
chroot jails systemplate
</child_root_path>

<mount_jail_tree>
true
systemplate lotemplate
</mount_jail_tree>

<server_name>
oxoolwsd 0x00L
</server_name>

<client_port_number>
9980
0x00L
</client_port_number>

<file_server_root_path>
loleaflet/./
root loleaflet
</file_server_root_path>
```



<hexify\_embedded\_urls>

    false

    URL    Azure

</hexify\_embedded\_urls>

<convert\_to>

    false

</convert\_to>

<memproportion>

    80.0

    0xOffice

</memproportion>

<num\_prespawn\_children>

    1

</num\_prespawn\_children>

<per\_document>

    0xOffice

<max\_concurrency>

    8

</max\_concurrency>

<batch\_priority>

    5

    convert-to

</batch\_priority>

<document\_signing\_url>

    URL

</document\_signing\_url>

<redlining\_as\_comments>



```

true
true
</redlining_as_comments>

```

```

<idle_timeout_secs>
3600
1
</idle_timeout_secs>

```

```

<idlesave_duration_secs>
1800
30 0
</idlesave_duration_secs>

```

```

<autosave_duration_secs>
1800
300 0
</autosave_duration_secs>

```

```

<always_save_on_exit>
false
false
</always_save_on_exit>

```

```

<limit_virt_mem_kb>
0
1700kb
</limit_virt_mem_kb>

```

```

<limit_stack_mem_kb>
8000
stack 0
</limit_stack_mem_kb>

```

```

<limit_file_size_mb>
0
</limit_file_size_mb>

```

```

<limit_num_open_files>

```



```
0
0 0
</limit_num_open_files>

<limit_load_secs>
100
0 0
</limit_load_secs>

<limit_convert_secs>
100
0 0
</limit_convert_secs>

<cleanup>
false
0 LibreOfficeKit 0
<cleanup_interval_ms>
10000
0
</cleanup_interval_ms>
<bad_behavior_period_secs>
60
0 LibreOfficeKit 0
</bad_behavior_period_secs>
<idle_time_secs>
300
0
</idle_time_secs>
<limit_dirty_mem_mb>
3072
0 MB
</limit_dirty_mem_mb>
<limit_cpu_per>
85
0 CPU 0
</limit_cpu_per>
</cleanup>

</per_document>
```



□□□ - INFO - WARN



LibreOfficeKit LibreOfficeKit

</lokit\_sal\_log>

<file>

<property name="path">

/var/log/oxoolwsd.log

0xOffice Online

<property name="rotation">

daily

rotation Poco FileChannel

<property name="archive">

timestamp

(timestamp) (number)

<property name="times">

local

rotation (local) UTC local utc

<property name="compress">

true

<property name="purgeAge">

30 days

Poco FileChannel

<property name="purgeCount">

100

none Poco FileChannel

<property name="rotateOnOpen">

true

rotation

<property name="flush">

false

log flush log

</file>

<anonymize>

<anonymize\_user\_data>

false

false

</anonymize\_user\_data>

<anonymization\_salt>



```
82589933
<anonymization_salt>
</anonymize>

</logging>

<lleaflet_logging>
false
</lleaflet_logging>

<trace_event>
false
Chrome Trace Event
<path>
</path>
</trace_event>

<trace>
false
<path>
</path>

<filter>
<message>
</message>
</filter>

<outgoing>
<record>
false
```



```
</record>
</outgoing>
</trace>

<net>
 网络配置
 <proto>
 协议all
 支持IPv4 和 IPv6 网络配置
 </proto>

 <listen>
 监听any
 监听地址any 和 loopback
 </listen>

 <service_root>
 服务根
 支持websocket 服务
 </service_root>

 <proxy_prefix>
 代理false
 代理地址ProxyPrefix
 </proxy_prefix>

 <post_allow>
 允许true
 允许POST(REST) 和 IP 地址
 <host>
 主机
 192\.\168\.[0-9]{1,3}\.[0-9]{1,3}
 ::ffff:192\.\168\.[0-9]{1,3}\.[0-9]{1,3}
 127\.\0\.\0\.\1
 ::ffff:127\.\0\.\0\.\1
 ::1
 172\.\17\.[0-9]{1,3}\.[0-9]{1,3}
 ::ffff:172\.\17\.[0-9]{1,3}\.[0-9]{1,3}
 </host>
</post_allow>
```



□□□□

&lt;/frame\_ancestors&gt;

□□□30

&lt;/connection\_timeout\_secs&gt;

<ssl>

<enable>

□□□□□□□□ SSL □□□

```
<termination>
```

```
00000000000000000000 true
```

```
<cert_file_path>
```

[illegible]

```
<key_file_path>
```

□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □

```
<ca_file_path>
```

ca

```
<cipher_list>
```



ALL:!ADH:!LOW:!EXP:!MD5:@STRENGTH

OpenSSL

</cipher\_list>

<hpkp>

HPKP

<max\_age>

1000

HPKP max-age pins

</max\_age>

<report\_uri>

HPKP report-uri pin URL

</report\_uri>

<pins>

pin Base64 SPKI

<pin></pin>

</pins>

</hpkp>

</ssl>

<security>

<seccomp>

true

seccomp filtering

</seccomp>

<capabilities>

true

chroot jails

</capabilities>

<jwt\_expiry\_sec>

1800

JWT

</jwt\_expiry\_sec>

<enable\_macros\_execution>

false



```
<enable_macros_execution>
 <macro_security_level>
 1
 0
 </macro_security_level>
</enable_macros_execution>

<enable_metrics_unauthenticated>
 false
 /oxool/getMetrics
</enable_metrics_unauthenticated>
</security>

<watermark>
 <editing>
 false
 </editing>

<printing>
 false
 PDF
</printing>

<opacity>
 0.2
 0.0 1.0
</opacity>

<angle>
 45
 </angle>


```



</font>

<color>

███#000000

██████████████

</color>

<bold>

███false

██████████████████

</bold>

<italic>

███false

████████████████████

</italic>

<outline>

███false

████████████████████

</outline>

<shadow>

███false

████████████████████

</shadow>

<text>

███

████████████████████

</text>

</watermark>

<welcome>

██████████████████

<enable>

██████████████

██████████████████████████████████████

</enable>



<enable\_button>

enable\_button

enable\_button

</enable\_button>

<path>

loloaflet/welcome

loloaflet/welcome

</path>

</welcome>

<user\_interface>

user\_interface

<pdf\_viewer\_resolution\_dpi>

600

PDF DPI

</pdf\_viewer\_resolution\_dpi>

<use\_integration\_theme>

false

Nextcloud Office

</use\_integration\_theme>

</user\_interface>

<storage>

storage

<filesystem>

false

0xOffice Online false

<wopi>

true

wopi storage webdav

<host>

host

true:

localhost

127\.\.\.

10\.[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}



```
172\1[6789]\.[0-9]{1,3}\.[0-9]{1,3}
172\2[0-9]\.[0-9]{1,3}\.[0-9]{1,3}
172\3[01]\.[0-9]{1,3}\.[0-9]{1,3}
192\168\.[0-9]{1,3}\.[0-9]{1,3}
false:
192\168\1\1
```

```
<wopi host <ip> IP <ip>. <ip>\<ip>\<ip> www.ossii.com.tw</wopi
host <ip>www\.ossii\com\.tw
</host>
```

```
<max_file_size>
0
</max_file_size>
```

```
<reuse_cookies>
false
cookies WOPi
</reuse_cookies>
```

```
<locking>
<refresh>
90015 0
</refresh>
</locking>
</wopi>
```

```
<webdav>
false
webdav storage wopi
<host>
false: localhost
webdav host IP IP . \ www.ossii.com.tw
webdav host www\.ossii\com\.tw
</host>
</webdav>
<ssl>
0x0office Online SSL
```



```
<as_scheme>
true
WOPR URI SSL
</as_scheme>

<enable>
false
SSL
</enable>

<cert_file_path>
/etc/oxool/cert.pem
</cert_file_path>

<key_file_path>
/etc/oxool/key.pem
</key_file_path>

<ca_file_path>
/etc/oxool/ca-chain.cert.pem
ca
</ca_file_path>

<cipher_list>
ALL:!ADH:!LOW:!EXP:!MD5:@STRENGTH
OpenSSL
</cipher_list>
</ssl>
</storage>

<tile_cache_persistent>
true
session tile cache
</tile_cache_persistent>

<admin_console>
0xOffice Online
http(s)://youroxoolip:9980/lolleaflet/dist/admin/admin.html
<enable>
```



true

</enalbe>

<enable\_pam>

    false

    PAM

</enalbe\_pam>

<username>

    admin

    PAM

</username>

<password>

    @administrator1

    PAM oxoolconfig

</password>

</admin\_console>

<monitors>

</monitors>



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  OxOffice Online 

確定

???

The diagram illustrates memory access patterns. The top row consists of seven individual rectangles of different widths. The bottom row shows a continuous sequence starting with a long rectangle labeled 'e', followed by a gap, then a rectangle labeled 'OxOffice', and finally three more rectangles.



??

線上使用者		開啟的文件		消耗的記憶體		已傳送的流量		已接收的流量		服務時間	
0		0		300.0 MB		20.2 MB		590.0 kB		115:51 小時	
開啟的文件		<a href="#">線上使用者</a>									
	開啟者	PID	文件	消耗的記憶體		經過的時間		閒置時間		最後修改	

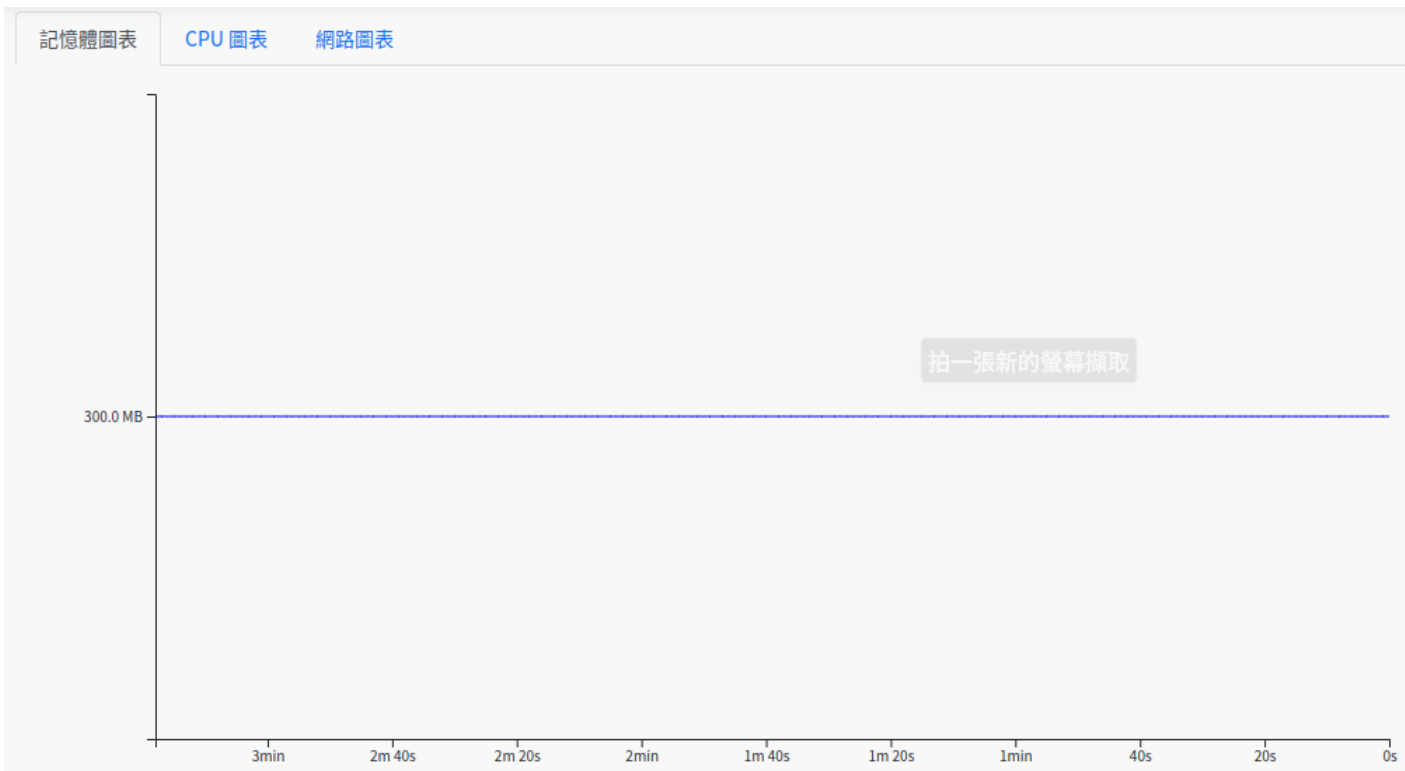
?????????

Diagram illustrating the instruction format (32 bits):

- Opcode (6 bits)
- Register Identifier (16 bits, labeled **PID**)
  - Register Number (6 bits)
  - Register File Address (10 bits)
- Immediate (10 bits, labeled **PID**)
  - Register Number (4 bits)
  - Register File Address (6 bits)

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?CPU ?????



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過濾類別：

無

更新日誌

設定紀錄層級

wsd-27535-27551 2022-08-11 15:53:59  
wsd-27535-27551 2022-08-11 15:53:59.450098 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:58.039066 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:57.850088 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:57.843075 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:57.757605 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:57.755357 [ webserv\_poll ] WRN FileServerRequestHandler: File not found: Invalid URI request: [/loleaflet/a6d4d2a/branding.js].| wsd/FileServer.cpp:511  
wsd-27535-27551 2022-08-11 15:53:57.754138 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:57.753970 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:57.752034 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:57.728044 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:47.691518 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:47.641038 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:47.629622 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:47.450158 [ webserv\_poll ] WRN FileServerRequestHandler: File not found: Invalid URI request: [/loleaflet/a6d4d2a/branding.js].| wsd/FileServer.cpp:511  
wsd-27535-27551 2022-08-11 15:53:47.449966 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:47.447120 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:47.446922 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:47.445457 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:53:47.431400 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:51:13.408408 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:51:13.286151 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:51:13.278224 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:51:13.155645 [ webserv\_poll ] ERR FileServerRequestHandler::NotAuthenticated: No authentication information found| wsd/FileServer.cpp:500  
wsd-27535-27551 2022-08-11 15:51:13.155526 [ webserv\_poll ] WRN FileServerRequestHandler: File not found: Invalid URI request: [/loleaflet/a6d4d2a/branding.js].| wsd/FileServer.cpp:511  
wsd-27535-27551 2022-08-11 15:51:13.155264 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295  
wsd-27535-27551 2022-08-11 15:51:13.155103 [ webserv\_poll ] WRN client - server version mismatch, disabling browser cache. Expected: a6d4d2a| wsd/FileServer.cpp:295





紀錄層級

×

wsd

trace

▼

kit

information

▼

取消

更新紀錄層級

WebSocket Dameon

OxOfficeKit

OxOffice Online

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☐ 全選

5個檔案10個字型

檔案名稱	字型名稱 (預覽)	樣式	彩色字型	符號字型
<input type="checkbox"/> kaiu.ttf	標楷體	Regular		
<input type="checkbox"/> mingliu.ttc	MingLiU	Regular		
	PMingLiU	Regular		
	MingLiU_HKSCS	Regular		
<input type="checkbox"/> msjhh.ttc	Microsoft JhengHei	Regular		
	Microsoft JhengHei UI	Regular		
<input type="checkbox"/> msjhbd.ttc	Microsoft JhengHei	Félkövér		
	Microsoft JhengHei UI	Félkövér		
<input type="checkbox"/> msjhl.ttc	微軟正黑體 Light	Regular		
	Microsoft JhengHei UI Light	Regular		



Online

OxOffice