

GNU/Linux Administration - Support #978

Install py-kms on Debian

03/18/2025 09:55 PM - Daniel Curtis

Status:	Resolved	Start date:	03/18/2025
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:		Estimated time:	1.00 hour
Target version:	Debian	Spent time:	1.00 hour

Description

This is a guide on installing py-kms on Debian.

Prepare the Environment

- Make sure everything is up to date:

```
sudo apt update && sudo apt upgrade
sudo apt install git python3.11-venv
```

- Create the nextcloud user:

```
sudo groupadd py-kms
sudo useradd -M -g py-kms -s /usr/sbin/nologin -c "py-kms" py-kms
```

Install py-kms

- Download py-kms:

```
cd /opt
sudo git clone https://github.com/Py-KMS-Organization/py-kms.git
sudo touch py-kms/pykms_logserver.log
sudo chown -R py-kms:py-kms py-kms
```

- Install py-kms venv:

```
sudo -u py-kms sh -c "/usr/bin/python3 -m venv /opt/py-kms/.env"
sudo su -s/bin/bash py-kms
source .env/bin/activate
pip install -r requirements.txt
exit
```

- Create the systemd unit file:

```
sudo nano /etc/systemd/system/py3-kms.service
```

- Add the following:

```
[Unit]
Description=py3-kms
After=network.target
StartLimitIntervalSec=0
```

```
[Service]
Type=simple
Restart=always
RestartSec=1
KillMode=process
User=py-kms
ExecStart=/opt/py-kms/.env/bin/python3 /opt/py-kms/py-kms/pykms_Server.py 192.168.0.100 16
88 -V DEBUG -F /opt/py-kms/pykms_logserver.log

[Install]
WantedBy=multi-user.target
```

- Set the unit file permissions and check its integrity:

```
sudo chmod 644 /etc/systemd/system/py3-kms.service
sudo systemd-analyze verify py3-kms.service
```

- Reload systemd and start the service:

```
sudo systemctl daemon-reload
sudo systemctl start py3-kms.service
```

Windows Activation

- Open a cmd prompt as Administrator and uninstall product key (optional):

```
cscript //nologo slmgr.vbs /upk
```

- Install new product key (optional):

```
cscript //nologo slmgr.vbs /ipk 12345-abdce-67890-fghij-12345
```

- Set KMS to py-kms IP address:

```
cscript //nologo slmgr.vbs /skms 192.168.0.100:1688
```

- Run activation:

```
cscript //nologo slmgr.vbs /ato
```

Office Activation

- Open a cmd prompt as Administrator and change directory to the Office install path:

```
cd C:\ProgramFiles(x86)\Microsoft Office\Office14
```

NOTE: 14 for Office 2010, 15 for Office 2013, 16 for Office 2016 or Office 2019

- Set host to py-kms instance:

```
cscript //nologo ospp.vbs /sethst:192.168.0.100
```

- Set port to py-kms port:

```
cscript //nologo ospp.vbs /setprt:1688
```

- Run activation

```
cscript //nologo ospp.vbs /act
```

Resources

- <https://py-kms.readthedocs.io/en/latest/Getting%20Started.html>
- <https://github.com/Py-KMS-Organization/py-kms>
- <https://py-kms.readthedocs.io/en/latest/Usage.html#activation-procedure>

History

#1 - 03/19/2025 10:39 AM - Daniel Curtis

- % Done changed from 0 to 100

- Target version set to Debian

- Status changed from New to Resolved