

## *How to upgrade EVE PE (Professional Edition) version 5 to version 6*

### Table of Contents

- I. EVE PE V5 upgrade to EVE PE V62
  - 1. Upgrade the current EVE PE to the latest version 5.0.1-1442
  - 2. Upgrade EVE PE to EVE version 6.0.1-XX3
  - 3. Troubleshooting EVE PE after upgrade4
- II. New EVE V6 installation with backup restore5
  - 1. Upgrade your current EVE PE to the latest version 5.0.1-245
  - 2. Upgrade EVE PE backup manager.6
  - 3. Create EVE backup6
  - 4. Install new EVE PE6
  - 5. Restore all data from backup6

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*The EVE-NG Professional Edition (PE) upgrade can be done in two ways. Actual EVE upgrade, or the new EVE V6 installation restoring all data from backup.*

## I. Actual EVE PE V5 upgrade to the EVE PE V6

⚠ **Mandatory Prerequisites:** Internet and DNS must be reachable from your Server. This upgrade process requires internet access to get updates and install the latest EVE PE version from the EVE-NG repository. DNS must resolve names!

### 1. Upgrade current EVE PE to the latest version 5.0.1-144

⚠ **Important NOTE:** Make sure all labs/nodes are stopped in your EVE server, and nothing is running on it.

1.1. Check your current EVE PE version.

SSH to your EVE CLI as root user and issue: `dpkg -l eve-ng-pro` This will display your PE EVE current version. It must be version **5.0.1-XX**

```
root@eve-pe5:~# dpkg -l eve-ng-pro
Desired=Unknown/Install/Remove/Purge/Hold
| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-
pend
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)
||/ Name           Version           Architecture Description
+++-=====
=====
ii  eve-ng-pro        5.0.1-131         amd64          A new generation software
for networking labs.
root@eve-pe5:~#
```

1.2. Update your current EVE to the latest version **EVE PE 5.0.1-144**.

SSH to your EVE CLI as root user and issue following commands:

```
apt update
apt upgrade
[answer y if required]
apt dist-upgrade
[answer y if required]
apt autoremove
[answer y if required]
reboot
```

1.3. Check your updated EVE PE version. It must be 5.0.1-144.

```
root@eve-pe5:~# dpkg -l eve-ng-pro
Desired=Unknown/Install/Remove/Purge/Hold
| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-
pend
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)
||/ Name           Version           Architecture Description
+++-=====
```

```

+++=====
=====
ii  eve-ng-pro          5.0.1-144      amd64      A new generation software
for networking labs.
root@eve-pe5:~#

```

## 2. Upgrade EVE PE to the EVE version 6.0.1-XX

⚠ **Important NOTE:** Make sure all labs/nodes are stopped in your EVE server, and nothing is running on it.

### 2.1. Check your current EVE PE version.

SSH to your EVE CLI as root user and issue: `dpkg -l eve-ng-pro`, It must be version 5.0.1-144

```

root@eve-pe5:~# dpkg -l eve-ng-pro
Desired=Unknown/Install/Remove/Purge/Hold
| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-
pend
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)
||/ Name           Version           Architecture Description
+++=====
=====
ii  eve-ng           5.0.1-144        amd64        A new generation software for
networking labs.
root@eve-pe5:~#

```

### 2.2. Start the upgrade with a single command. After the upgrade process is completed, the reboot prompt will appear.

```

wget -O - http://www.eve-ng.net/jammy/update-eve-pro.sh > /tmp/update-eve-
pro.sh && chmod +x /tmp/update-eve-pro.sh && /tmp/update-eve-pro.sh

```

```

root@eve-pe5:~# wget -O - http://www.eve-ng.net/jammy/update-eve-pro.sh
> /tmp/update-eve-pro.sh && chmod +x /tmp/update-eve-pro.sh && /tmp/update-
eve-pro.sh

This will launch the Major upgrade to EVE 6.0
Requirements:
- EVE must be up to date ( 5.0.1-144 )
- All Ubuntu packages must be up to date
- External repositories are no supported ( only ubuntu and eve-ng are
valids )
type yes to continue: yes
---Output omitted---
Reading state information...
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
Upgrade process done. Press Enter to reboot

```

### *If the upgrade process is rejected!*

2.3. If your EVE has extra Linux applications and repositories installed, they must be removed before upgrading. example below is showing that **megacmd** apt is installed.

```

root@eve-pe5:~# wget -O - http://www.eve-ng.net/jammy/update-eve-pro.sh >
/tmp/update-eve-pro.sh && chmod +x /tmp/update-eve-pro.sh && /tmp/update-eve-pro.sh

---Output omitted---
Upgrade REJECT !!!!!

```

```
external repository detected
Fresh install is recommended
rejected repository:
/var/lib/apt/lists/mega.nz_linux_repo_xUbuntu%5f20.04_._Packages
root@eve-pe5:~#
```

#### 2.4. Extra repo and package removal. (Example, megacmd app)

- Find the app repo belongs to this apt installation.
- Remove app repo from your EVE
- Find the app package name
- Remove apt, y

```
root@eve-pe5:~# grep mega -r /etc/apt
/etc/apt/sources.list.d/megasync.list:deb
[signed-by=/usr/share/keyrings/meganz-archive-keyring.gpg]
https://mega.nz/linux/repo/xUbuntu_20.04/ ./
root@eve-pe5:~# rm /etc/apt/sources.list.d/megasync.list
root@eve-pe5:~# dpkg -l mega*
Desired=Unknown/Install/Remove/Purge/Hold
| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-
pend
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)
||/ Name Version Architecture Description
+++-=====
=====
ii megacmd 1.6.3-2.1 amd64 MEGA Command Line Interactive
and Scriptable Application
root@eve-pe5:~# apt remove megacmd
Reading package lists... Done
Building dependency tree
--- Output ommitted ---
After this operation, 39.7 MB disk space will be freed.
Do you want to continue? [Y/n] y
(Reading database ... 118032 files and directories currently installed.)
Removing megacmd (1.6.3-2.1) ...
root@eve-pe5:~#
```

2.4.1. Complete the steps above if you have other apps installed to your EVE.

#### 2.5. Re-run upgrade script [2.2](#)

### 3. Troubleshooting EVE PE after upgrade

3.1. Cannot Login in the Web UI or HTML5 consoles does not work after upgrade. SSH to your EVE CLI as root user and issue:

```
systemctl stop tomcat9
sync
rm -fr /var/lib/tomcat9/webapps/guacamole
sync
systemctl start tomcat9
```

3.2. EVE has <none> dockers in the list.

```
root@eve-ng-mas:~# dc images
REPOSITORY TAG IMAGE ID CREATED SIZE
```

```

registry                2          9363667f8aec    6 weeks ago    25.4MB
eve-gui-server          latest     d819486ab729    6 weeks ago    7.07GB
eve-desktop             latest     aaab99abf9b9    6 weeks ago    6.88GB
eve-firefox             latest     01c3151ae759    6 weeks ago    4.69GB
eve-wireshark           latest     030d66992f3d    2 months ago   4.24GB
eve-dind-rootless       latest     02520db653e4    12 months ago  382MB
<none>                  <none>     8db46f9d7550    13 months ago  24.2MB
root@eve-ng-mas:~#

```

SSH to your EVE CLI as root user and remove:

```

eve-wireshark           latest     030d66992f3d    2 months ago   4.24GB
eve-dind-rootless       latest     02520db653e4    12 months ago  382MB
<none>                  <none>     8db46f9d7550    13 months ago  24.2MB
root@eve-ng-mas:~# dc rmi -f 8db46f9d7550

```

## II. New EVE V6 installation with backup restore

⚠ **Mandatory Prerequisites:** Internet and DNS must be reachable from your Server. This upgrade process requires internet access to get updates and install the latest EVE PE version from the EVE-NG repository. DNS must resolve names!

### 1. Upgrade your current EVE PE to the latest version 5.0.1-24

⚠ **Important NOTE:** Make sure all labs/nodes are stopped in your EVE server, and nothing is running on it.

#### 1.1. Check your current EVE PE version.

SSH to your EVE CLI as root user and issue: `dpkg -l eve-ng` This will display your CE EVE current version. It must be version **5.0.1-XX**

```

root@eve-pe5:~# dpkg -l eve-ng-pro
Desired=Unknown/Install/Remove/Purge/Hold
| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-
pend
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)
||/ Name          Version          Architecture Description
+++-=====
ii  eve-ng          5.0.1-131        amd64          A new generation software for
networking labs.
root@eve-pe5:~#

```

#### 1.2. Update your current EVE to the latest version **EVE PE 5.0.1-144**.

SSH to your EVE CLI as root user and issue following commands:

```

apt update

apt upgrade
[answer y if required]

apt dist-upgrade
[answer y if required]

```

```
apt autoremove  
[answer y if required]  
  
reboot
```

1.3. Check your updated EVE PE version. Must be 5.0.1-144.

```
root@eve-pe5:~# dpkg -l eve-ng-pro  
Desired=Unknown/Install/Remove/Purge/Hold  
| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-  
pend  
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)  
||/ Name Version Architecture Description  
+++-=====+-----+-----+-----+  
=====+-----+-----+-----+  
ii eve-ng 5.0.1-144 amd64 A new generation software for  
networking labs.  
root@eve-pe5:~#
```

## 2. Upgrade EVE PE backup manager.

2.1. Upgrade EVE PE backup manager.

```
root@eve-pe5:~# apt install --reinstall eve-backup-manager  
---Output---  
Unpacking eve-backup-manager (5.0.1-143-12) over (5.0.1-143-12) ...  
Setting up eve-backup-manager (5.0.1-143-12) ...  
root@eve-pe5:~#reboot
```

## 3. Create the EVE backup

3.1. Follow the EVE PE Cookbook, chapter 18

<https://www.eve-ng.net/index.php/documentation/professional-cookbook/>

## 4. Install new EVE PE

4.1. Follow the EVE PE Cookbook, chapter 3

<https://www.eve-ng.net/index.php/documentation/professional-cookbook/>

## 5. Restore all data from backup

5.1. Follow the EVE PE Cookbook, chapter 18

<https://www.eve-ng.net/index.php/documentation/professional-cookbook/>