

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

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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 ommitted---

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 ommitted---

**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 omitted ---
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 Ommitted---
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/>