

## *How to upgrade EVE CE (Community Edition) version 5 to version 6*

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

## I. Actual EVE CE 5.0.1-24 upgrade to the EVE CE 6.0.1-XX

⚠ **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 CE version from the EVE-NG repository. DNS must resolve names!

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

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

#### 1.1. Check your current EVE CE 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-ce5:~# dpkg -l eve-ng
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          5.0.1-19        amd64          A new generation software for
networking labs.
root@eve-ce5:~#
```

#### 1.2. Update your current EVE to the latest version **EVE CE 5.0.1-24**.

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 CE version. It must be 5.0.1-24.

```
root@eve-ce5:~# dpkg -l eve-ng
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          5.0.1-24      amd64          A new generation software for
networking labs.
root@eve-ce5:~#
```

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

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

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

SSH to your EVE CLI as root user and issue: `dpkg -l eve-ng`, It must be version 5.0.1-24

```
root@eve-ce5:~# dpkg -l eve-ng
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          5.0.1-24      amd64          A new generation software for
networking labs.
root@eve-ce5:~#
```

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-ce.sh > /tmp/update-eve-ce.sh && chmod +x /tmp/update-eve-ce.sh && /tmp/update-eve-ce.sh
```

```
root@eve-ce5:~# wget -O - http://www.eve-ng.net/jammy/update-eve-ce.sh >
/tmp/update-eve-ce.sh && chmod +x /tmp/update-eve-ce.sh && /tmp/update-eve-
ce.sh

This will launch the Major upgrade to EVE 6.0
Requirements:
- EVE must be up to date ( 5.0.1-24 )
- 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-ce5:~# wget -O - http://www.eve-ng.net/jammy/update-eve-ce.sh >
/tmp/update-eve-ce.sh && chmod +x /tmp/update-eve-ce.sh && /tmp/update-eve-ce.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-ce5:~#
```

- 2.4. Extra repo and package removal. (Example, megacmd app)
  - 2.4.1. Find the app repo belongs to this apt installation.
  - 2.4.2. Remove app repo from your EVE
  - 2.4.3. Find the app package name
  - 2.4.4. Remove apt, y

```
root@eve-ce5:~# 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-ce5:~# rm /etc/apt/sources.list.d/megasync.list
root@eve-ce5:~# 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-ce5:~# 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-ce5:~#
```

- 2.4.5. Complete the steps above if you have other apps installed on your EVE.

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

## 3. Troubleshooting EVE CE 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
```

## 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 CE version from the EVE-NG repository. DNS must resolve names!

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

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

#### 1.1. Check your current EVE CE 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-ce5:~# dpkg -l eve-ng
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         5.0.1-19        amd64          A new generation software for
networking labs.
root@eve-ce5:~#
```

#### 1.2. Update your current EVE to the latest version **EVE CE 5.0.1-24**.

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 CE version. Must be 5.0.1-24.

```
root@eve-ce5:~# dpkg -l eve-ng
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         5.0.1-24        amd64          A new generation software for
networking labs.
root@eve-ce5:~#
```

## 2. Upgrade EVE CE backup manager.

### 2.1. Upgrade EVE CE backup manager.

```
root@eve-ce5:~# 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-ce5:~#reboot
```

## 3. Create the EVE backup

### 3.1. Follow the EVE CE Cookbook, chapter 13

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

## 4. Install new EVE CE

### 4.1. Follow the EVE CE Cookbook, chapter 3

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

## 5. Restore all data from backup

### 5.1. Follow the EVE CE Cookbook, chapter 13

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