

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 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-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 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-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 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-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/>