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 four commands. After the upgrade process is completed, the reboot prompt will appear.

```
UPD=update-eve-ce.sh

wget -O - http://www.eve-ng.net/jammy/$UPD > /tmp/$UPD

chmod +x /tmp/$UPD

/tmp/$UPD
```

```
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 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/