Updating a Unity

Introduction

This procedure explains how to upgrade one of our old ARM Unity (green boxes) to our new Bullseye Debian-based OS.

If you are unsure, please contact our support team.

Avoid unplugging the box during operation A power failure or interruption could cause the Unity OS to fail.

Prerequisites - Creation of a USB key (8 GB) allowing the update

- Télécharger the image of the USB key. (Extract the downloaded zip file).
- Make the USB stick bootable (8 GB minimum).
 - With Rufus https://rufus.ie/fr/
- Connect the USB key to the Unity.

Step 1 - Boot Unity onto the USB stick

- The old Unity OS must be up to date. Otherwise the esia-update-unity script will be missing.
- Connect the USB key to Unity.
- Connect ssh to the old Unity: (port 2222, login 'esia', password 'gesa')
- Start the boot script on the USB key, enter :

```
esia-update-unity
```

```
Check if update is possible:
OK - This is a correct raspberry pi version (>= 3)
OK - SD card has enough pace
OK - Unity USB KEY valid.
Now, the box will restart:
- You must waiting 2 minutes and retry to reconnect to Unity from ssh client.
- Next, you must execute this 'sudo unity update.sh
Press ENTER to continue or CTRL + C to exit
```

• Confirm the update by pressing 'ENTER'.

Check if update is possible:
OK - This is a correct raspberry pi version (>= 3)
OK - SD card has enough pace
OK - Unity USB KEY valid.
Now, the box will restart: - You must waiting 2 minutes and retry to reconnect to Unity from ssh client. - Next, you must execute this 'sudo unity_update.sh Press ENTER to continue or CTRL + C to exit
Pre-reboot process
- Set USB KEY network conf
 Backup Unity network and password parameters
Reboot

Unity will then restart on the USB key.

Step 2 - Update Unity

• SSH connection to the USB key (port 2222, login 'esia', password 'gesa')

Your computer may give you an SSH key error, this is normal. Once connected in SSH, you should have this displayed on the screen.

Linux UNITY-REPAIR 6.1.58-v8+ #1694 SMP PREEMPT Mon Oct 30 11:52:28 GMT 2023 aarch64

The programs included with the Debian GNU/Linux system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law. Last login: Tue Jan 16 15:24:31 2024 from 10.14.0.32

Wi-Fi is currently blocked by rfkill. Use raspi-config to set the country before use.

```
esia@UNITY-REPAIR:~ $
```

Now type this command

```
esia-update-unity
```

The system will ask you for the password again, type

gesa

Unity will ask you to press "enter" to start the installation.

It is essential to avoid shutting down the terminal or a power cut, as the SD card in the unity will be damaged and will no longer boot.

The unity will then update itself.

```
esia@UNITY-REPAIR:~ $ esia-update-unity
sudo: unable to resolve host UNITY-REPAIR: Name or service not known
[sudo] password for esia:
This process is irreversible. Do you want to continue ?
Press ENTER to continue or CTRL + C to exit
Transfer disk image to SD card
Disk image size : 1.2G
49.4MiB 0:00:18 [1.82MiB/s] [===> ] 11% ETA 0:05:14
```

Unity now reboots on the updated GESA OS. The update is now complete.

You can check that the update has been completed by entering the Unity IP address in your browser.

If you reach this page, everything has gone smoothly.



You can remove the USB key and use it on another box.

IMPORTANT : Update the Unity from its repositories from the graphical interface

6	GESA Unity														esia 🔒					
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ps: remember to refresh your browser's cache after the update (ctrl + f5)

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Last update: 2025/05/12 12:47

