

How to Upgrade from Endian OS 5.x to 6.x

Supported Models

- Endian UTM Macro:
 - Endian UTM Macro (2022 Edition)
 - Endian UTM Macro (2021 Edition)
 - Endian UTM Macro 250 (2020 Edition)
 - Endian UTM Macro 500 (2020 Edition)
 - Endian UTM Macro Plus
 - Endian UTM Macro 250
 - Endian UTM Macro 500
 - Endian UTM Macro 1000
 - Endian UTM Macro 2500
- Endian UTM Mercury:
 - Endian UTM Mercury (2021 Edition)
 - Endian UTM Mercury 50 (2018 Edition)
 - Endian UTM Mercury 50 WiFi
 - Endian UTM Mercury 100
- Endian UTM Mini:
 - Endian UTM Mini (2022 Edition)
 - Endian UTM Mini 25 (2017 Edition)
 - Endian UTM Mini 25 WiFi (2017 Edition)
 - Endian UTM Mini 10
 - Endian UTM Mini 10 WiFi
- Endian UTM Software and Virtual:
 - Endian UTM Software Appliance
 - Endian UTM Software Appliance UEFI
 - Endian UTM Virtual Appliance
 - Endian UTM Virtual Appliance UEFI

Prerequisites:

- You must fully update your appliance ([instructions](#)) to the most current version of **EndianOS UTM 5.x**
- It is recommended to have a 2GB or larger bootable USB 2.0 stick
- Serial console cable with adapters if required to connect a computer to the Endian appliance

Step 1: Create configuration backup (only) of your current Endian 5.x appliance. This must be saved to your local computer.

The screenshot shows the Endian Network web interface. The top navigation bar includes tabs for System, Status, Network, Services, Firewall, Proxy, VPN, Hotspot, and Logs and Reports. The left sidebar contains a menu with items: Dashboard, Network configuration, Event notifications, Updates, Support, Endian Network, Switchboard and EasyVPN, Users, Web Console, SSH access, GUI settings, and Backup. The main content area is titled 'Backup' and has two tabs: 'Backup' (active) and 'Scheduled backups'. Below the tabs is a section titled 'Backup sets' with a 'Create new Backup' form. The form includes the following options: 'Current configuration:' (checked), 'Include database dumps' (unchecked), 'Include log files' (unchecked), 'Include log archives' (unchecked), and 'Include hardware data' (unchecked). There is a 'Remark' text input field and a note '* This Field is required.' At the bottom of the form are 'Create Backup' and 'Cancel' buttons. Below the form is a table with columns: 'Creation date', 'Content', 'Remark', and 'Actions'.

Step 2: Complete the upgrade process for your appliance in Endian Network using the following steps:

Step 2a: Login to Endian Network

Step 2b: Navigate to Tab Downloads then to EndianOS 6.x Images. Locate your UTM appliance in the list and download the corresponding image. [Endian OS 6.x Installation Images](#)

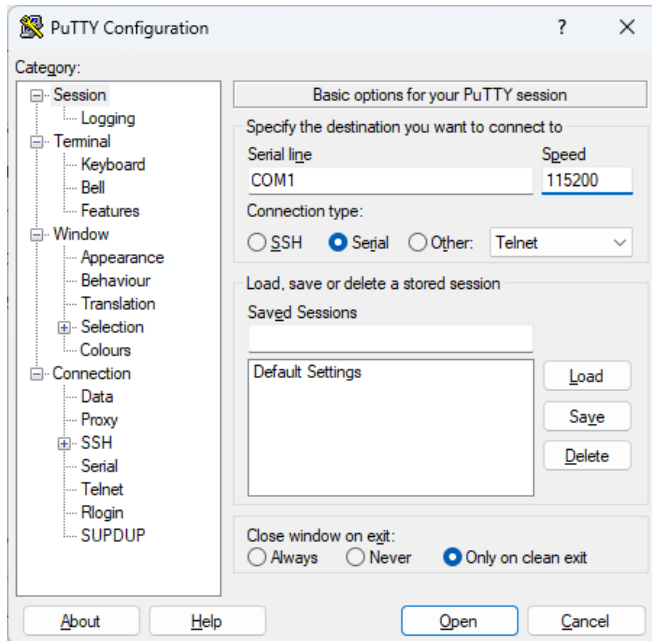
Step 2c: Download and Install Balena Etcher on your PC [balenaEtcher - Flash OS images to SD cards & USB drives](#)

Step 2d: Create a bootable USB 2.0 using Balena Etcher and the image that you downloaded from Endian Network. Endian Guide: [Endian Installation USB Flash Drive – Endian](#)

Step 3: In order to monitor the installation procedure please download and install Putty on your PC [Download PuTTY - a free SSH and telnet client for Windows](#)

Step 4: Install your 6.x image onto your appliance by:

- Connect the Endian to your PC using the console cable (Provided in your Endian UTM package box). Check the PC's Device Manager to find what COM port you're using. Eg COM1
- Open Putty and select Serial and write the COM Port that you are using and Speed 115200. Click open and a DOS environment will open that monitors Endian actions. [How to connect via serial console – Endian](#)



- Plug in the imaged USB stick (from Step 2d) into the appliance.
- Start the appliance and install the system. Before the system starts the installation, you will hear 10 quick, short "beeps" followed by a long one: this is the countdown that precedes the installation.
- Wait for the installation to complete, you will see the installation proceeding from Putty, which is suggested by three quick beeps followed by a longer one.
- Afterwards the appliance will turn itself off, if it does not, you need to forcefully power it off and remove the USB stick.
- The final step is to power back on the device.

Step 5: Restore a backup on the Appliance.

- During the initial wizard, you will be provided an option to **Restore from backup**.
- Select this option and continue to follow the instructions to restore the backup file created from [Step 1](#).
- Do not include the Endian Subscription.
- The system should automatically reboot after the restore process is completed.

At this point the upgrade process is complete and you should have the new Endian OS UTM 6.x system running successfully. Congratulations and enjoy!

Step 6: Update the Update Channel to Version 6.x

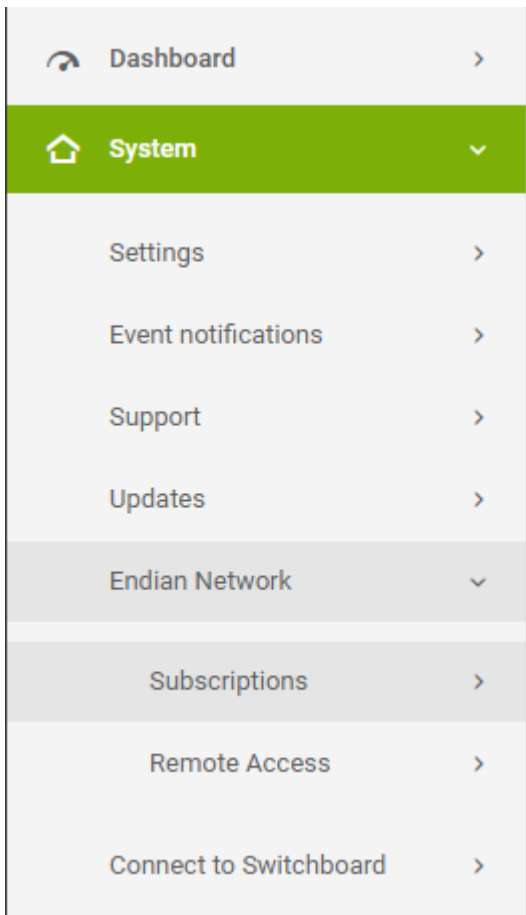
Step 6a: Navigate to your Endian Network and locate your UTM appliance in the list and click the Reinstall as 6.x button.

Reinstall as 6.x



Step 7: Subscribe your device

Step 7a: Navigate to System then Endian Network and Subscriptions and fill out the information needed.



****Note:** Some devices might need to re-image twice.