

Duplicate the Configuration of an Ewon device

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1. Introduction

Copying the configuration of one Ewon gateway to another Ewon gateway can be useful in different situations.

For example:

- Duplicating a complex configuration (e.g. many tags, custom webpages, etc) on multiple Ewon gateways
- Replacing a working Ewon device with a different model Ewon device
- Replacing a damaged Ewon device

It is possible to make a backup of one Ewon device and load that backup onto a different Ewon device. However, the full configuration including Talk2M related settings such as VPN keys will be copied. If more than one Ewon device use the same keys, connection issues can occur. In addition, even if the backup is used only to replace hardware, there can be issues with the DataMailbox if the serial number of the Ewon device sending data does not match the one associated with those keys in Talk2M.

As a result, it is recommended that you load the backup onto the new Ewon device in a way that will either reconfigure the Talk2M settings at the same time or that will disable the Talk2M connection until you can reconfigure them.

There are several different possible methods:

1. *Easy Commissioning with a Global Registration Key*

The backup from the source Ewon device and a special file with a Global Registration Key (GRK) are saved on a USB drive (Ewon Cosy) or SD card (Ewon Cosy or Ewon Flexy) which can then be used to configure the Ewon gateway. Immediately after the backup is loaded on the Ewon device, the Talk2M wizard runs using the GRK. The user does not need to connect a computer directly to the Ewon gateway during the configuration process and the user does not need credentials on the Ewon gateway.

Once the process is complete, the Talk2M account administrator can approve the newly added Ewon device and mark it as a new Ewon or as a replacement for an existing Ewon on their account.

This method retains all the other network settings of the original Ewon device and is recommended when replacing an existing Ewon device.

2. *Easy Commissioning with an Easy Setup Configuration File*

The backup from the source Ewon device and a configuration file including new networking parameters and a new Talk2M activation key are saved on a USB drive (Ewon Cosy) or SD card (Ewon Cosy or Ewon Flexy) which can then be used to configure the Ewon gateway. Immediately after the backup is loaded on the Ewon device, the new networking settings are applied and the Talk2M wizard runs using the new activation key.

The user does not need to connect a computer directly to the Ewon gateway during the configuration process and the user does not need credentials on the Ewon gateway.

3. *eBuddy and Web Interface*

You can also use the Restore feature of eBuddy to load a backup on a new Ewon device and adapt the configuration using a series of wizards from the Ewon gateway's web interface.

The user will connect their PC to the Ewon gateway's Ethernet LAN port. The user needs appropriate credentials on the Ewon gateway to load the backup with eBuddy and to run the wizards in the web interface.

4. *FTP*

The contents of a backup can be extracted and modified as required for the new Ewon gateway. Then the files can be copied to the new Ewon gateway by FTP.

This method is primarily for users with previous experience with Ewon gateways and a good understanding of the parameters within the configuration files.

2. Prerequisites

2.1. Required Software

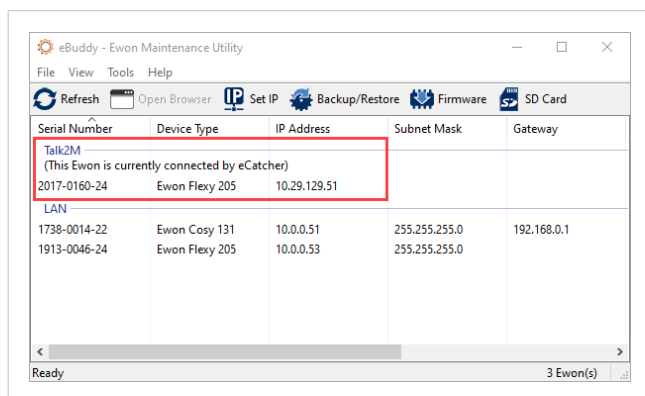
eBuddy is your Ewon device's maintenance utility. It allows you to easily update the firmware, configure certain settings, and create and restore backups for your Ewon device. It is recommended to use eBuddy to make the backup of the Ewon device you want to duplicate.

eCatcher is the Talk2M VPN client and Talk2M account administration software. The files and activation keys required for adding Ewon devices to your Talk2M account are generated and retrieved from eCatcher.

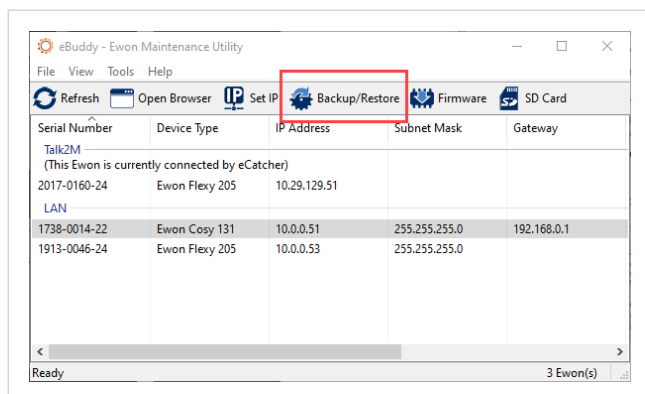
2.2. Making a Backup

Use eBuddy to make a backup of the existing Ewon gateway.

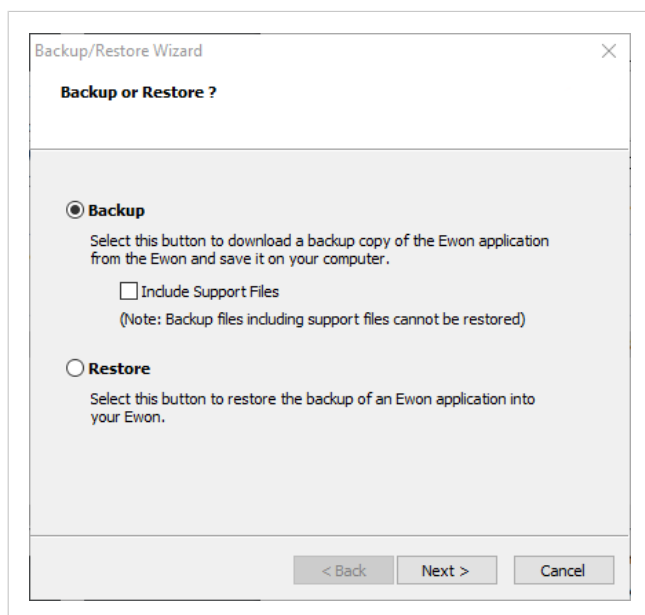
1. Connect to the Ewon device. The connection can be a local connection where the PC is connected to one of the LAN ports of the Ewon device or a remote connection through eCatcher. The remote Ewon gateway will appear at the top of the list.



2. Click on the Ewon device you wish to backup.
3. Click the **Backup/Restore** button from the top menu.



4. Select the **Backup** option from the popup window. DO NOT check the **Include Support Files** option.

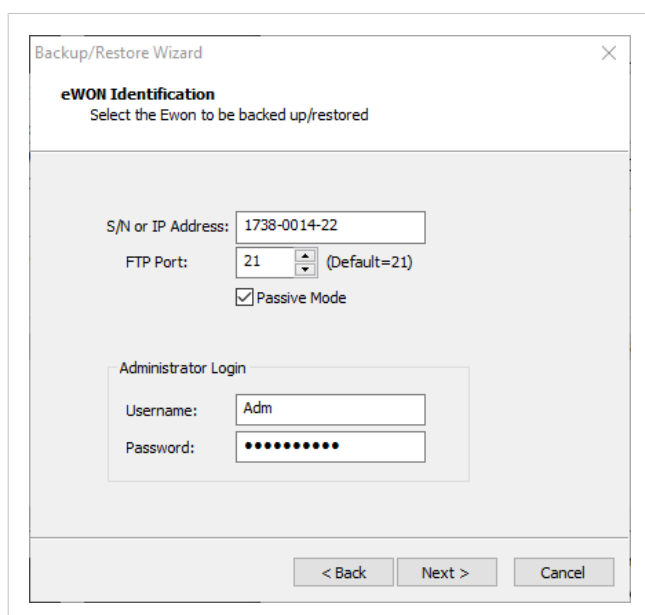


The image shows a 'Backup/Restore Wizard' dialog box. The title bar says 'Backup/Restore Wizard' with a close button. The main heading is 'Backup or Restore ?'. There are two radio buttons: 'Backup' (selected) and 'Restore'. Under 'Backup', there is a checkbox for 'Include Support Files' which is unchecked, and a note below it: '(Note: Backup files including support files cannot be restored)'. Under 'Restore', there is a description: 'Select this button to restore the backup of an Ewon application into your Ewon.' At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

5. Click **Next**.

6. Enter the required information.

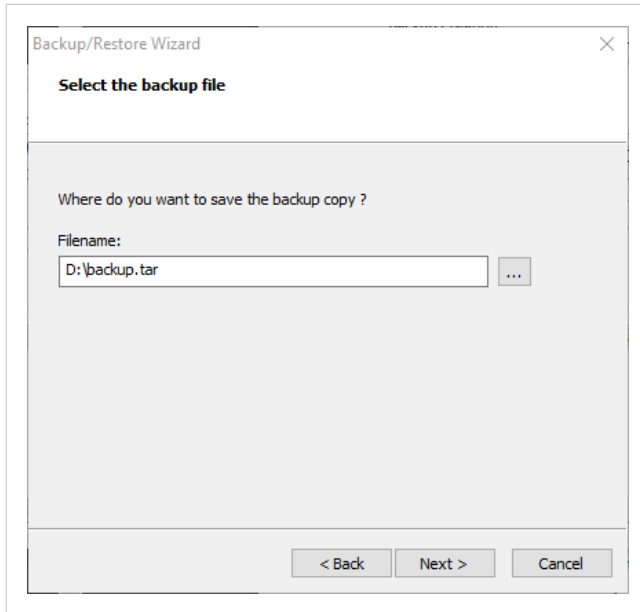
- **S/N or IP address:** The serial number or the IP address of your Ewon device.
- **FTP Port/Passive mode:** The settings used for the FTP connection. By default: 21 and active mode
- **Username/Password:** Login credentials for a user with rights to make a backup. Typically this is the "Adm" user.



The image shows an 'eWON Identification' dialog box. The title bar says 'Backup/Restore Wizard' with a close button. The main heading is 'eWON Identification' with the subtitle 'Select the Ewon to be backed up/restored'. There are three input fields: 'S/N or IP Address' with the value '1738-0014-22', 'FTP Port' with a value of '21' and a note '(Default=21)', and a checked checkbox for 'Passive Mode'. Below these is an 'Administrator Login' section with 'Username' set to 'Adm' and 'Password' masked with dots. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

7. Click **Next**.

8. Provide the path to the folder where the backup should be created.



The screenshot shows a window titled "Backup/Restore Wizard" with a close button (X) in the top right corner. The main heading inside the window is "Select the backup file". Below this, the text "Where do you want to save the backup copy ?" is displayed. Underneath, there is a label "Filename:" followed by a text input field containing "D:\backup.tar" and a small button with three dots "...". At the bottom of the window, there are three buttons: "< Back", "Next >", and "Cancel".

9. Click **Next**. At the end of the process, eBuddy displays a message stating the status.

3. Easy Commissioning with a Global Registration Key

3.1. Key Features

- No need to connect a PC to the Ewon device or have login credentials
- Requires a USB drive (Ewon Cosy) or SD card (Ewon Cosy or Flexy)
- WAN and LAN settings for new Ewon device copied exactly from source Ewon device
- No need to create the Ewon gateway first inside your Talk2M account
- Easy to replace an existing Ewon in the Talk2M account.

3.2. Process

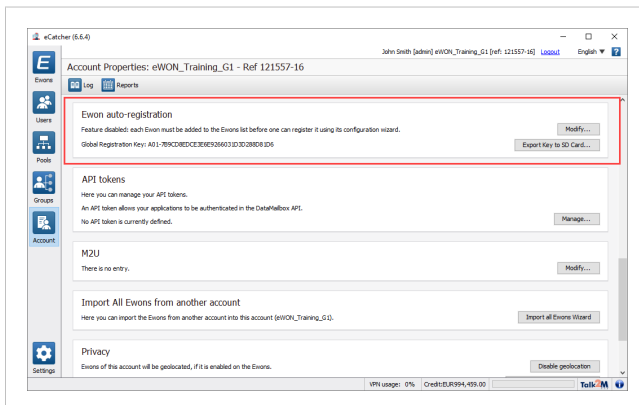
3.2.1. Save the Backup File

Save the backup file to your SD card or USB drive. Be sure to save the file with the name "backup.tar". If the file has a different name, the Ewon device will not recognize it as a backup file during commissioning.

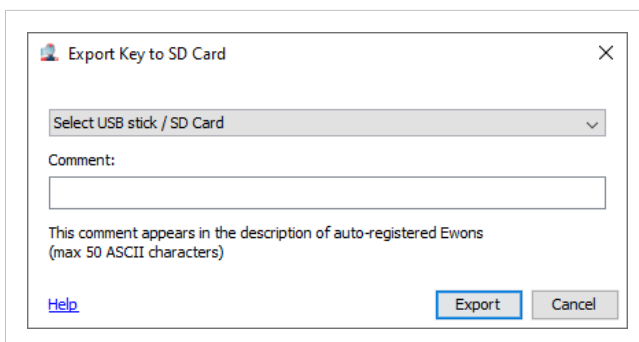
3.2.2. Export the Global Registration Key

To export the **Global Registration Key** to your SD card or USB drive, proceed as follows:

1. Open the eCatcher application. Log into your Talk2M account as a user with administrator rights.
2. Click the **Account** icon on eCatcher's main interface. The **Account Properties** screen will appear.
3. If needed, click the **Show Advanced Settings** link to show additional account settings.
4. Click on the **Export Key to SD Card** button from the **Ewon Auto-Registration** section.



5. Select the location of your SD card or USB drive. You can optionally enter a comment here as well. This comment will be saved with the Global Registration Key on the SD card or USB drive.



6. Click **Export**.

**NOTE**

If the Ewon device you are copying could be online at the time that you are commissioning the new Ewon device, you should save a custom comcfg.txt to the SD card/USB drive to disable the VPN connection as described in Special Cases below. This will prevent conflicts in the case where the backup is restored correctly but the Talk2M wizard fail.

3.2.3. Configure Your Ewon Gateway with SD Card/USB Drive

To configure your Ewon gateway for remote access, apply the following procedure:

1. Make sure of the following things:
 - Your Ewon gateway is powered on.
 - Your Ewon gateway is able to connect to the Internet. This could require:
 - The WAN cable is plugged in. For models with configurable WAN/LAN ports, the WAN port is represented by an orange LED.
 - The SIM card has been inserted and the cellular antenna is attached.
 - The Wi-Fi antenna is attached.
2. Insert the SD card or the USB drive in your Ewon gateway. The Ewon gateway detects the insertion in a very short period (5 seconds maximum) and you can visualize this detection by the quick orange blinking pattern of the USR LED (ON/OFF each 150 msec)
3. Wait for the Ewon gateway to process the configuration files. After the detection of the SD card or USB drive, the configuration files are processed. You can visualize the processing of the files by the slow orange blinking pattern of the USR LED (ON/OFF each second).
4. Check the status of the USR LED. After the configuration files are processed, your Ewon gateway shows if it was able to apply the configuration. The LED will be solid green if successful or solid red if the process failed.
5. Remove the SD card or the USB flash drive. The removal triggers the reboot of the Ewon gateway and the launch of the Talk2M wizard.

If the process is successful, then the T2M LED will appear green after a few minutes.

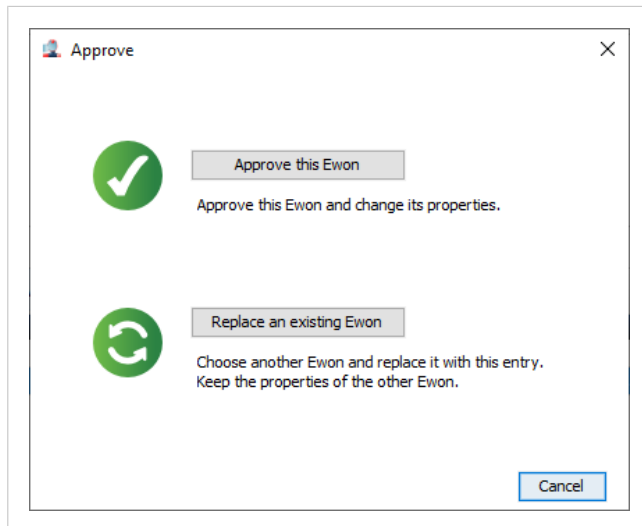
3.2.4. Approve the Ewon Gateway in eCatcher

When the Ewon gateway is successfully configured with a **Global Registration Key**, it appears with the status **Pending** in eCatcher and requires an approval.

Status	Name
Offline	Machine 1602-0151-22
Pending	1738-0014-22

To approve the Ewon gateway in eCatcher, you will need to click the **Approved** button. Approving an Ewon gateway will conclude the process to add an imported Ewon into the Talk2M account.

There are two choices possible when an Ewon gateway is labeled as Pending.



- **Approve this Ewon:** The Ewon gateway is simply added to the Talk2M account. You will be prompted to enter the properties for the Ewon gateway.
- **Replace an existing Ewon:** The existing but unused Ewon gateway in the Talk2M account is replaced by the newly imported Ewon gateway. The properties of the old Ewon gateway are transferred to the new Ewon.

4. Easy Commissioning with an Easy Setup Configuration File

4.1. Key Features

- No need to connect a PC to the Ewon device or have login credentials
- Requires a USB drive (Ewon Cosy) or SD card (Ewon Cosy or Flexy)
- WAN and LAN settings for new Ewon device can be different from source Ewon device
- WAN settings must be known prior to installation

4.2. Process

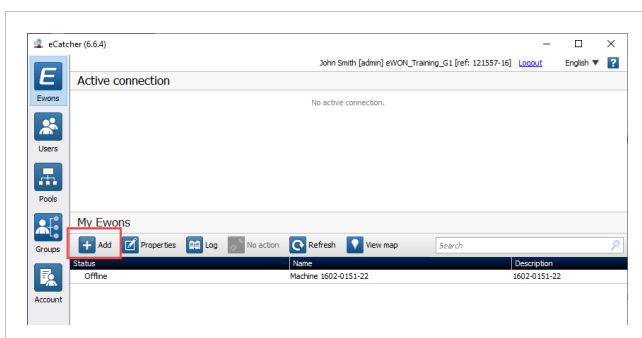
4.2.1. Save the Backup File

Save the backup file to your SD card or USB drive. Be sure to save the file with the name "backup.tar". If the file has a different name, the Ewon device will not recognize it as a backup file during commissioning.

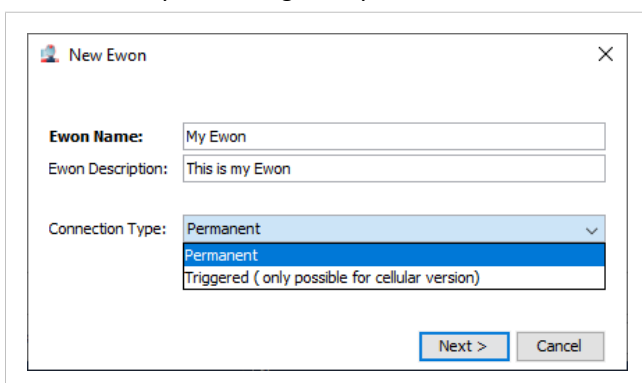
4.2.2. Create Your Ewon Gateway in Talk2M

To create your Ewon gateway in Talk2M, proceed as follows:

1. Open the eCatcher application. Log into your Talk2M account as a user with administrator rights.
2. On eCatcher's main interface, click the **+ Add** icon. A new window appears.



3. Enter the name of your Ewon gateway. The Talk2M server displays this name to identify the remote connection to your Ewon gateway.



4. Select the **Connection Type** to specify how your Ewon gateway connects to the Talk2M server. You can choose between two possibilities:
 - Permanent: For Ethernet, Wi-Fi, or cellular models. Your Ewon gateway stays permanently online.
 - Triggered: Only for cellular models. Your Ewon gateway is offline (but still functional) until you wake it up with an SMS.
5. Click **Next**.

6. Enter custom information concerning your remote connection. You can use the **Custom Fields** to classify or filter your different remote connections.
7. If you are using a Talk2M Pro account, you will also need to associate your Ewon gateway to an Ewon pool.
8. Click **Create**.

The newly created Ewon gateway is now linked to your Talk2M account.

eCatcher displays the Talk2M Connectivity screen.

Talk2M Connectivity: My Ewon

[Back to Ewon list](#)

Select your preferred method to configure your Ewon:

USB / SD Card

Create a USB or SD card configuration to connect your Ewon to your Talk2M account. Firmware version ≥ 13.2 is required, but we recommend FW 13.3 which offers enforced encryption. [Launch Setup Wizard](#)

Activation Key

Every Ewon is assigned an Activation Key during its creation in Talk2M. This key cannot be changed.

Activation Key: `15b6d51a8c7b42872820927ae2801927` [Copy to Clipboard](#)

Ewon Name

Ewon Name: [Copy to Clipboard](#)

SMS

Send an SMS to the Ewon with its activation key. It will trigger the remote auto-configuration. [Send SMS to Ewon](#)

⚠ Activation by SMS is only possible for "Connection Triggered" Ewon.

4.2.3. Prepare the Configuration File

Once eCatcher displays the Talk2M Connectivity screen, apply the following procedure:

1. Click the **Launch Setup Wizard** button of the **USB/SD Card** option.

Select your preferred method to configure your Ewon:

USB / SD Card

Create a USB or SD card configuration to connect your Ewon to your Talk2M account. Firmware version ≥ 13.2 is required, but we recommend FW 13.3 which offers enforced encryption. [Launch Setup Wizard](#)

2. Select the WAN interface of your Ewon gateway.

3. Depending on the interface you choose, different configuration fields are required.

- Ethernet: WAN IP settings. Complete advanced settings if necessary.

Device configuration wizard

Home >> Internet connection >> Machines network >> Export

WAN IP settings

☒ Obtain automatically (DHCP)

☐ Set manually

▼ Advanced parameters

Proxy settings

(Leave blank if no Proxy)

Proxy server IP address:

Proxy server port:

Username: (Optional)

User password: (Optional)

- Wi-Fi: SSID settings. Complete advanced settings if necessary.

Device configuration wizard

Home >> Internet connection >> Machines network >> Export

Wireless network

Network name (SSID):

Passphrase:

▼ Advanced parameters

WAN IP settings

☒ Obtain automatically (DHCP)

☐ Set manually

Proxy settings

(Leave blank if no Proxy)

Proxy server IP address:

Proxy server port:

Username: (Optional)

User password: (Optional)

- Cellular: SIM card and APN settings

Device configuration wizard

Home >> Internet connection >> Machines network >> Export

Cellular network

APN:

SIM PIN: (Optional)

Username: (Optional)

Password: (Optional)

4. Click **Next**.
5. Set the LAN IP address of your Ewon gateway.
6. Click **Next**.
7. Select the location where eCatcher should export the file.
8. Click **Save** twice to confirm the export.

The last screen explains how to proceed with the SD card/USB drive and your Ewon gateway.

**NOTE**

If the Ewon device you are copying could be online at the time that you are commissioning the new Ewon device, you should save a custom comcfg.txt to the SD card/USB drive to disable the VPN connection as described in Special Cases below. This will prevent conflicts in the case where the backup is restored correctly but the Talk2M wizard fail.

4.2.4. Configure Your Ewon Gateway with SD Card/USB Drive

To configure your Ewon gateway for remote access, apply the following procedure:

1. Make sure of the following things:
 - Your Ewon gateway is powered on.
 - Your Ewon gateway is able to connect to the Internet. This could require:
 - The WAN cable is plugged in. For models with configurable WAN/LAN ports, the WAN port is represented by an orange LED.
 - The SIM card has been inserted and the cellular antenna is attached.
 - The Wi-Fi antenna is attached.
2. Insert the SD card or the USB drive in your Ewon gateway. The Ewon gateway detects the insertion in a very short period (5 seconds maximum) and you can visualize this detection by the quick orange blinking pattern of the USR LED (ON/OFF each 150 msec)
3. Wait for the Ewon gateway to process the configuration files. After the detection of the SD card or USB drive, the configuration files are processed. You can visualize the processing of the files by the slow orange blinking pattern of the USR LED (ON/OFF each second).
4. Check the status of the USR LED. After the configuration files are processed, your Ewon gateway shows if it was able to apply the configuration. The LED will be solid green if successful or solid red if the process failed.
5. Remove the SD card or the USB flash drive. The removal triggers the reboot of the Ewon gateway and the launch of the Talk2M wizard.

If the process is successful, then the T2M LED will appear green after a few minutes.

5. eBuddy and Web Interface Configuration

5.1. Key Features

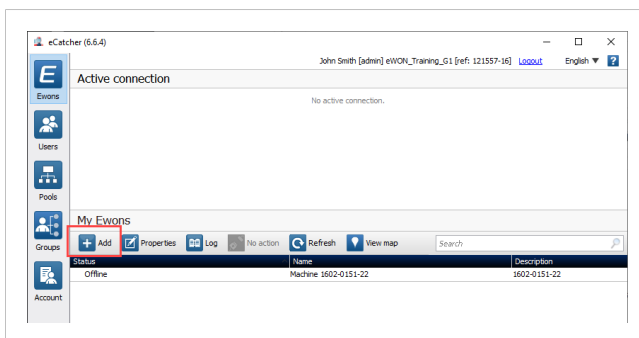
- No USB/SD card required
- Easy to make additional changes to setup such as timezone, unit identification, or networking settings
- Good when network settings are not known prior to installation

5.2. Process

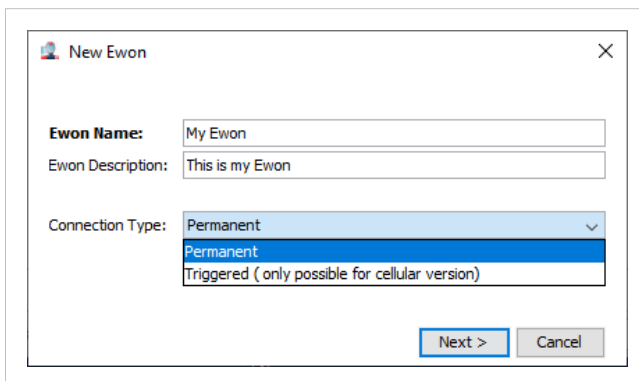
5.2.1. Create Your Ewon Gateway in Talk2M

To create your Ewon gateway in Talk2M, proceed as follows:

1. Open the eCatcher application. Log into your Talk2M account as a user with administrator rights.
2. On eCatcher's main interface, click the **+ Add** icon. A new window appears.



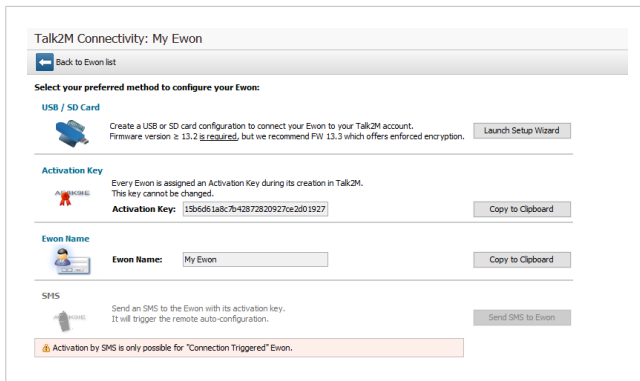
3. Enter the name of your Ewon gateway. The Talk2M server displays this name to identify the remote connection to your Ewon gateway.



4. Select the **Connection Type** to specify how your Ewon gateway connects to the Talk2M server. You can choose between two possibilities:
 - **Permanent**: For Ethernet, Wi-Fi, or cellular models. Your Ewon gateway stays permanently online.
 - **Triggered**: Only for cellular models. Your Ewon gateway is offline (but still functional) until you wake it up with an SMS.
5. Click **Next**.
6. Enter custom information concerning your remote connection. You can use the **Custom Fields** to classify or filter your different remote connections.
7. If you are using a Talk2M Pro account, you will also need to associate your Ewon gateway to an Ewon pool.
8. Click **Create**.

The newly created Ewon gateway is now linked to your Talk2M account.

eCatcher displays the Talk2M Connectivity screen.



Talk2M Connectivity: My Ewon

Back to Ewon list

Select your preferred method to configure your Ewon:

USB / SD Card
Create a USB or SD card configuration to connect your Ewon to your Talk2M account. Firmware version ≥ 13.2 is required, but we recommend FW 13.3 which offers enforced encryption. [Launch Setup Wizard](#)

Activation Key
Every Ewon is assigned an Activation Key during its creation in Talk2M. This key cannot be changed.
Activation Key: 13b6d61a8c7b42872820927ce2d01927 [Copy to Clipboard](#)

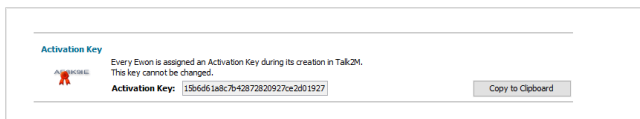
Ewon Name
Ewon Name: My Ewon [Copy to Clipboard](#)

SMS
Send an SMS to the Ewon with its activation key. It will trigger the remote auto-configuration. [Send SMS to Ewon](#)

Activation by SMS is only possible for "Connection Triggered" Ewon.

5.2.2. Copy Activation Key

Once eCatcher displays the Talk2M Connectivity screen, click the **Copy to Clipboard** button from the **Activation Key** row.

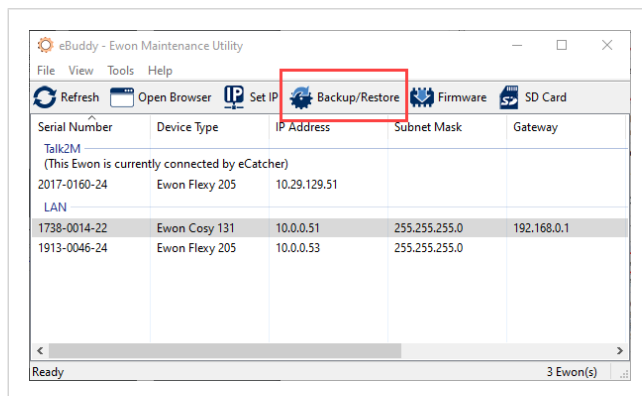


Activation Key
Every Ewon is assigned an Activation Key during its creation in Talk2M. This key cannot be changed.
Activation Key: 13b6d61a8c7b42872820927ce2d01927 [Copy to Clipboard](#)

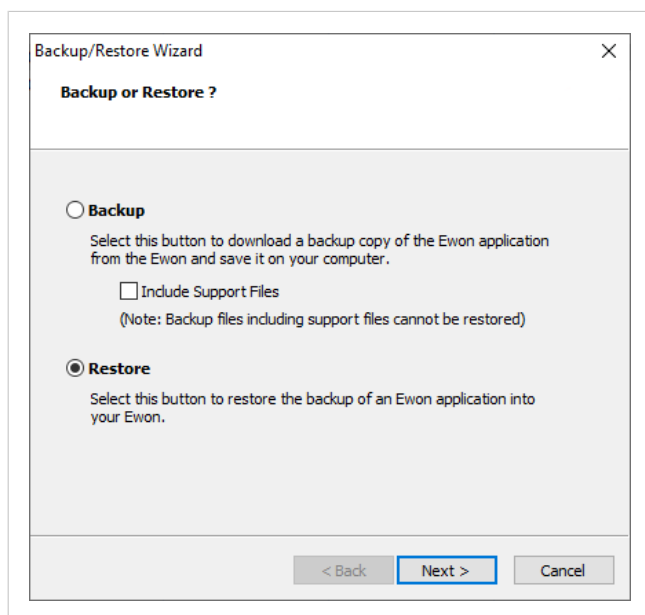
5.2.3. Restore Backup with eBuddy

Use eBuddy to load the backup of the configured Ewon device to the new Ewon device.

1. Connect to the new Ewon device. The connection must be a local connection where the PC is connected to one of the LAN ports of the Ewon device.
2. Click on the Ewon device you wish to configure.
3. Click the **Backup/Restore** button from the top menu.



4. Select the **Restore** option from the popup window.



Backup/Restore Wizard

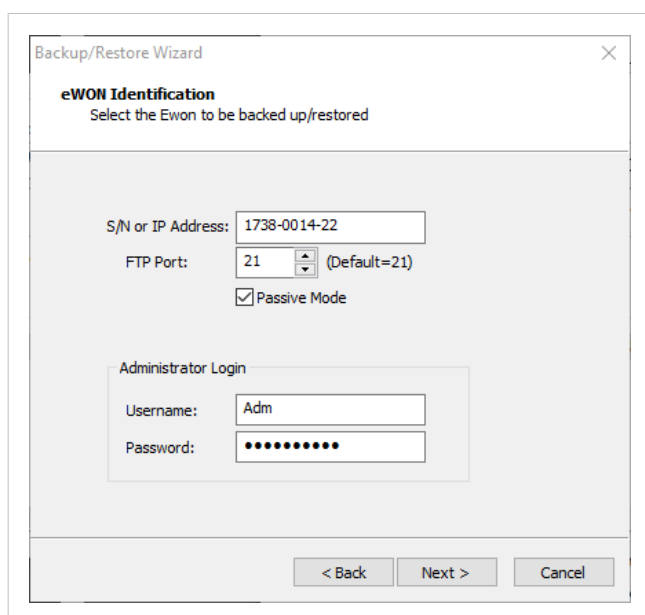
Backup or Restore ?

☐ **Backup**
Select this button to download a backup copy of the Ewon application from the Ewon and save it on your computer.
☐ Include Support Files
(Note: Backup files including support files cannot be restored)

☒ **Restore**
Select this button to restore the backup of an Ewon application into your Ewon.

< Back **Next >** Cancel

5. Click **Next**.
6. Enter the required information.
 - **S/N or IP address:** The serial number or the IP address of your Ewon device.
 - **FTP Port/Passive mode:** The settings used for the FTP connection. By default: 21 and active mode
 - **Username/Password:** Login credentials for a user with rights to make a backup. Typically this is the "Adm" user.



Backup/Restore Wizard

eWON Identification
Select the Ewon to be backed up/restored

S/N or IP Address: 1738-0014-22

FTP Port: 21 (Default=21)

☒ Passive Mode

Administrator Login

Username: Adm

Password:

< Back **Next >** Cancel

7. Enter the path to the backup file location.
8. Click **Next**.
9. Click **Finish** when eBuddy has restored the backup.

Do not reboot your Ewon device at this point. While the networking settings including the Talk2M configuration are loaded on the Ewon device, they are not applied until the Ewon device reboots. Wait to reboot the device until you have completed the Wizards described below.



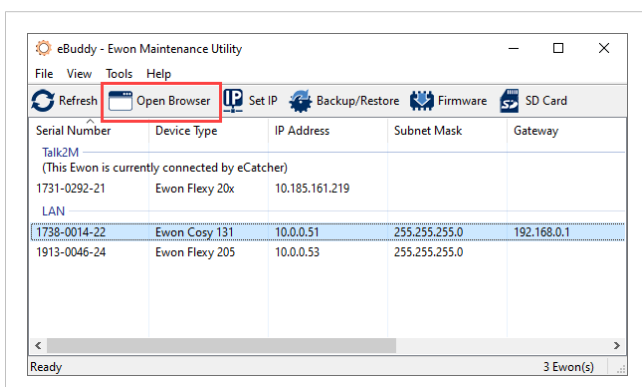
NOTE

If the Ewon device must be rebooted before running the Wizards or if there will be a delay between restoring the backup and running the Wizards, it is recommended to modify the comcfg.txt file to disable the VPN connection as described in Special Cases below.

5.2.4. Configure the Internet Connection

To configure the Internet connection of your Ewon gateway, apply the following steps:

1. Make sure of the following things:
 - Your PC is connected to a LAN port of your Ewon gateway. For models with configurable WAN/LAN ports, the LAN port is represented by a green LED.
 - Your Ewon gateway is powered on.
 - Your Ewon gateway is able to connect to the Internet. This could require:
 - The WAN cable is plugged in. For models with configurable WAN/LAN ports, the WAN port is represented by an orange LED.
 - The SIM card has been inserted and the cellular antenna is attached.
 - The Wi-Fi antenna is attached.
2. Open eBuddy if not already open.
3. Highlight the Ewon gateway you want to configure.
4. Right click on the gateway and select **Open in Browser**.



5. Enter your login credentials.
6. Click the **Wizards** button in the top right corner.
7. [Recommended] Go through the System wizard before setting the Internet connection. The System wizard lets you change the administrator password and set the date and time for the gateway. Click the **System** button on the right-side menu and follow the prompts.
8. Click the **Internet** button on the right-side menu.
9. Check the box to **Initialize Configuration**. This will erase any existing WAN settings and Talk2M settings.
10. Select the WAN interface of your Ewon gateway. The options displayed are based on the hardware configuration of your Ewon gateway.

5.2.5. Configure Ethernet WAN Connection

1. Click **Next**.

2. Select the network management protocol:

- Static
- BootP
- DHCP

We recommend using **DHCP**. This way, your Ewon gateway receives an IP address and Internet access automatically from the host. If you select **Static**, be sure to enter all of the required network settings. Check with your local network administrator for the proper settings for your network.

3. Click **Next**.
4. **Enable** the Internet connection test.
5. Click **Next**.

The last step of the Internet configuration consists of a communication test.

The *Online IP Check* performed during the connectivity test aims at validating the WAN IP address by reaching a specific domain on a specific port. Be aware that depending on your network firewall rules, it is possible that this test could fail, but a connection to Talk2M is still possible.

5.2.6. Configure Wi-Fi WAN Connection

1. Click **Next**.
2. Enter the name of the Wi-Fi network (SSID) and its password.
3. Select the network management protocol:

- Static
- BootP
- DHCP

We recommend using **DHCP**. This way, your Ewon gateway receives an IP address and Internet access automatically from the host. If you select **Static**, be sure to enter all of the required network settings. Check with your local network administrator for the proper settings for your network.

4. Click **Next**.
5. **Enable** the Internet connection test.
6. Click **Next**.

The last step of the Internet configuration consists of a communication test.

The *Online IP Check* performed during the connectivity test aims at validating the WAN IP address by reaching a specific domain on a specific port. Be aware that depending on your network firewall rules, it is possible that this test could fail, but a connection to Talk2M is still possible.

5.2.7. Configure Cellular WAN Connection

1. [Ewon Cosy] Select your connection trigger:
 - Maintain connection: Your Ewon gateway is permanently connected.
 - Send SMS to activate: You must wake your Ewon gateway by sending an SMS so it initializes the connection.
2. Click **Next**.
3. Enter the information related to the SIM card and APN. Contact your cellular provider for more information about which fields are required for your SIM card.
4. Click **Next**.
5. [Ewon Flexy] Select the connection type:
 - Maintain connection: Your Ewon gateway is permanently connected.
 - Triggered: You must wake your Ewon gateway by sending an SMS so it initializes the connection.Click **Next**.

6. Set the connection duration parameters if needed: (Available for Ewon Cosy in **Advanced Settings**.)
 - Idle time: The amount of time before the Ewon gateway shuts down the connection if there is no traffic from/to the Ewon gateway.
 - Call duration: The amount of time the Ewon gateway stays online before closing the outgoing connection.Click **Next**.
7. Enable the Internet connection test.
8. Click **Next**.

The last step of the Internet configuration consists of a communication test.

The *Online IP Check* performed during the connectivity test aims at validating the connection by reaching a specific domain on the Internet on a specific port. If the Internet connection test is not successful, then go back through the previous configuration steps and recheck all settings for compatibility and accuracy.

5.2.8. Configuring the WAN Fallback

If another WAN interface is available, a popup appears at the end of the Internet Wizard and offers to configure this secondary WAN interface.

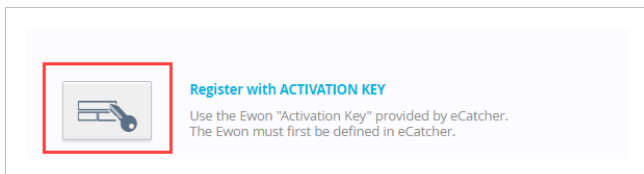
If configured, the Ewon gateway switches automatically to this secondary WAN interface in case the primary interface fails.

The configuration of the secondary WAN interface is a replay of the Internet Wizard where the proposed settings are based on this second WAN interface type.

5.2.9. Connect your Ewon Gateway to Talk2M

To configure the Talk2M connection of your Ewon gateway, apply the following steps:

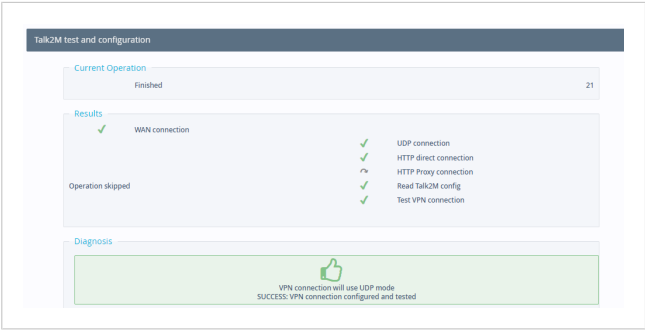
1. Click the **Talk2M/VPN** button in the right-side menu.
2. Click the **T2M** button if proposed.
3. Click the **Register with Activation Key** button.



4. Paste the Activation Key from your clipboard.
5. Click **Next**.
6. Set the advanced configuration if needed. The advanced settings concern:
 - The use of a proxy for the WAN connection
 - The obligation to use TCP packets instead of UDP for the VPN connection.
7. Click **Next**.

The last step of the wizard is the Talk2M registration and the establishment of the VPN tunnel between your Ewon gateway and Talk2M.

The result is displayed on the wizard page.



Click **Finish** to end the Wizard.

5.2.10. Reboot your Ewon device

Reboot your Ewon device to apply the LAN IP address from the backup. The reboot can be performed either from the **Reboot** menu option from the left-side menu or by cycling power on the unit.

6. FTP

6.1. Key Features

- Permits individual portions of an Ewon device's configuration to be copied
- Configuration files can be modified prior to copying to a new Ewon gateway

6.2. Process

The backup of an Ewon device consists of a series of configuration files and a directory of user files.

The configuration files are:

- `config.txt`: The configuration settings that are not related to networking such as the IO Server settings, the tags, and the users
- `comcfg.txt`: The networking settings such as the LAN and WAN settings and Talk2M keys. It also includes the parameter for the memory organization.
- `program.bas`: The BASIC script for the Ewon gateway

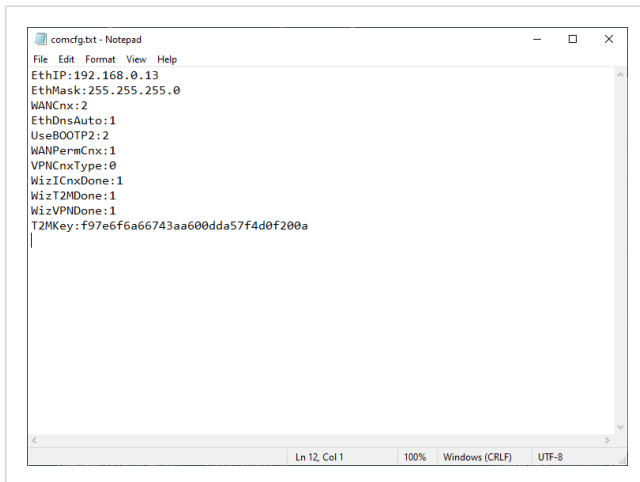
The user files are stored in the `/usr` directory. These files can include viewON projects and custom Java applications.

Many different archive management programs are available to extract these files from an Ewon backup or they can be retrieved from the Ewon device's FTP server. Once the files are extracted, they can be modified if required. Then they can be loaded manually on the Ewon device using any FTP client.

7. Special Cases

Editing the comcfg.txt File

To prevent the Ewon device from attempting to connect to Talk2M after a backup is restored and a configuration file is loaded, you can modify the **VPNCnxType** parameter of the comcfg.txt file. This parameter can be added to the comcfg.txt file created by the Easy Setup Wizard. If you are using the Global Registration Key method, you can also create a comcfg.txt file with just this parameter in it and save it to the SD card/USB drive with the other files.



Alternatively, if your archive management program permits editing files within an archive, you can directly modify the comcfg.txt file of the backup.

In the comcfg.txt file, add the line or modify the existing VPNCnxType line to match:

```
VPNCnxType:0
```

This disables the VPN connection of the Ewon device.

Memory Configuration

Restoring the comcfg.txt file on an Ewon device with a different memory organization results in formatting the Ewon device on the next reboot. To avoid this case, you can either modify the memory configuration on the new Ewon device prior to restoring the backup or you can restore the backup twice being sure to reboot in between.

Custom Java IO Server

If you have developed your own Java IO Server, then during the backup restoration, the tag creation will fail as the custom IO Server does not yet exist.

If you restore the backup a second time, tag creation will complete successfully.

Firmware Version

Be sure to note the firmware version of the Ewon device from which the backup was made and the firmware version of the destination Ewon device. It is not recommended to apply a backup made on a higher firmware to an Ewon device running a lower firmware version.

Adm User

The Adm user exists by default on all Ewon gateways. On some models of Ewon gateways, you can modify the user login for this user. For example, you could change it from "adm" to "admin."

When you restore a backup with a modified Adm user login on a Ewon device with the default Adm user login, the modified Adm user is added as a new user and the original Adm user is retained. In our example, the new Ewon gateway would have both a user "adm" and a user "admin."

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