

Define Proxy Entries for Port Forwarding

Using Cosy 131

SOLUTION SHEET

AM-1007-00 1.0 en-US ENGLISH

Important User Information

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Table of Contents

Page

1	Preface	5
1.1	About This Document	5
1.2	Document history.....	5
1.3	Related Documents	5
1.4	Document Conventions	5
1.5	Trademark Information	5
2	Objectives	6
2.1	Requirements	6
3	Procedure.....	7
3.1	Advance Configuration Parameters	7
3.2	ProxyEnabled.....	7
3.3	ProxyExtItf	7
3.4	Proxy Table	8
3.5	Additional Settings	8

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1 Preface

1.1 About This Document

This document explains in a few steps how to set static routes in a Cosy 131.

For additional related documentation and file downloads, please visit www.ewon.biz/support.

1.2 Document history

Version	Date	Description
1.0	2021-02-17	First release

1.3 Related Documents

Document	Author	Document ID
Concfg.txt Parameters	HMS	KB-0050-00

1.4 Document Conventions

Numbered lists indicate tasks that should be carried out in sequence:

1. First do this
2. Then do this

Bulleted lists are used for:

- Tasks that can be carried out in any order
- Itemized information
- ▶ An action
 - and a result

User interaction elements (buttons etc.) are indicated with bold text.

```
Program code and script examples
```

Cross-reference within this document: [Document Conventions, p. 5](#)

External link (URL): www.hms-networks.com



WARNING

Instruction that must be followed to avoid a risk of death or serious injury.



Caution

Instruction that must be followed to avoid a risk of personal injury.



Instruction that must be followed to avoid a risk of reduced functionality and/or damage to the equipment, or to avoid a network security risk.



Additional information which may facilitate installation and/or operation.

1.5 Trademark Information

Ewon® is a registered trademark of HMS Industrial Networks AB. All other trademarks mentioned in this document are the property of their respective holders.

2 Objectives

The objective of this document is to explain the process of setting up the proxy in a Cosy 131.

2.1 Requirements

The requirements to use document:

1. Cosy 131.

3 Procedure

3.1 Advance Configuration Parameters

The simplified interface of the Ewon Cosy was designed to meet the most frequent application requirements. To configure Proxy features, it's necessary to edit the Advanced Configuration Parameters.

Navigate to Setup > System > Storage > Edit COM cfg

- ! The advance configuration parameters should not be edited without exactly what you are changing

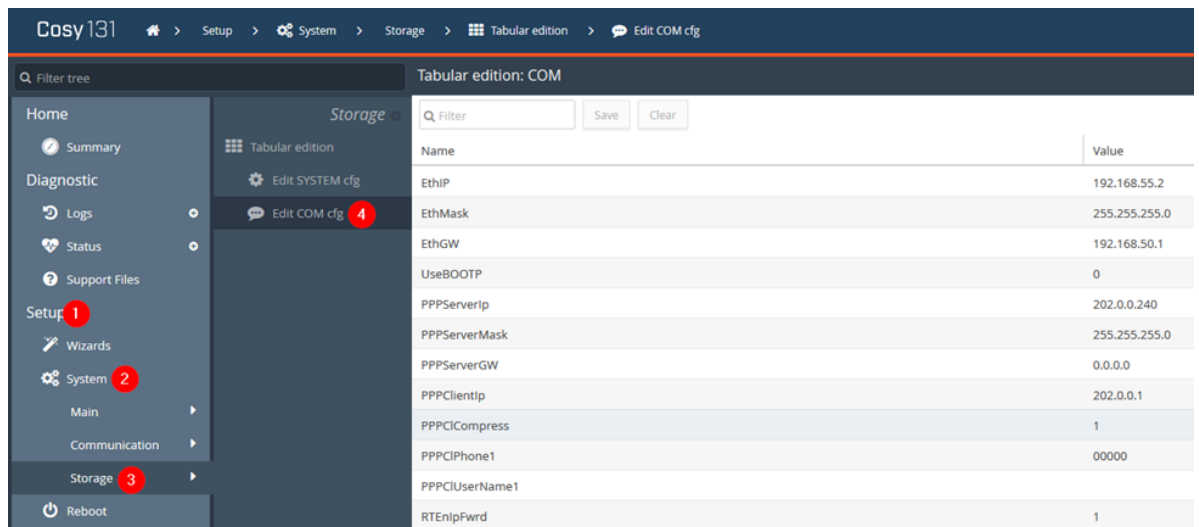


Fig. 1 COMcfg Location

3.2 ProxyEnabled

ProxyEnabled which enables or disables the Proxy configuration. By default, it is set to 0 and should be changed to 1:

- Set **ProxyEnabled** to 0 → disable proxy
- Set **ProxyEnabled** to 1 → enable proxy

3.3 ProxyExtlrf

ProxyExtlrf defines the external interface on which Ewon Cosy will apply the proxy:

- set **ProxyExtlrf** to 2 → uses the VPN connection
- set **ProxyExtlrf** to 0 → uses the WAN interface

3.4 Proxy Table

The Proxy Table contains:

1. The type of available protocol that Ewon Cosy will proxy to the device:
 - Set **ProxyProto** to 0 → Disabled
 - set **ProxyProto** to 1 → UDP
 - set **ProxyProto** to 2 → TCP
 - set **ProxyProto** to 3 → FTP
2. Both directions are available, the Ewon Cosy's proxy is symmetric:
 - Set **ProxySide** to 0 → Disable
 - set **ProxySide** to 1 → EXT to LAN
If the user wants to proxy from the EXT to LAN to reach a device connected on the LAN
 - Set **ProxySide** to 2 → LAN to EXT
Allow the connection for the device connected on the LAN side to outside
3. Set **ProxyPort** parameters for the incoming port on which the Ewon will listen,



*if the Ewon must forward ports to a web server on port 80 and the client will connect to the Ewon on port 8080, then incoming port -> set **ProxyPort**: 8080.*

4. Set the Destination port, the port number on which the Ewon will connect when it receives a connection from the proxy client -> set **ProxySrvPort**: 80
5. Set the Destination IP address of the device -> **ProxySrvIpAddr**: xxx.xxx.xxx.xxx

3.5 Additional Settings

If your proxy is using the WAN interface, there are additional settings which must be changed:

- Set **NatIpf** to 2 → Allows NAT and Transparent Forwarding on WAN
- Set **FwrnToWAN** to 1 → Allows LAN traffic to be forwarded to the WAN



Make sure that you set the default gateway of your LAN devices to be the Ewon's LAN address or you will not be able to communicate with them.

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