

Use Dynamic DNS Feature

The following document explains how to configure an eWON Flexy/CD to publish its IP when using a Dynamic DNS solution.

1. Dynamic DNS on eWON

Internet Service Providers are not always able to provide a public fixed IP solution. The eWON can be configured to use one of the supported DDNS solution:

"No-IP.com"

"DynDns.org"

"Ods.org"

"Tzo.com" "EasyDns.com" "Dyns.cx" " ZoneEdit.com"

- Note -

Before using the DDNS, the customer needs to own an active account and a host name from one of the supported Dynamic DNS provider.

The Dynamic DNS feature is a two steps configuration:

- 1. Activate the publishing IP feature and configure a re-publishing interval (if needed)
- 2. Configure how the current IP address of the eWON will be published. This step requires information from your Dynamic DNS provider.

2. Enable Publish IP request

In the eWON menu, go to:

[TOP MENU]//Configuration/System Setup/Communication

[Side MENU]// Networking/Internet Connection/

ewon	Tag Setup System Setu		tup	IO Server Config	Main Menu	10	
a eWON	Script Setup	Users Seti	up	Pages List	BASIC IDE NEW	Wizards	
General	Communicat	tion		<u>Storage</u>	21/06/2016 14:24:56		
COM Config Etb1 - LON	Internet connection setup						
. Networking	Internet Status		Connect				
E Internet Connection	Internet not connected	Internet not connected					
🔔 Eth2 - WAN	Internet access						
⊷ v Publish IP Address	Network connection No Internet access						
🗞 Callback	Maintain connection		-				
🏠 Routing 🐟 Proxy	Publish WAN IP address						
🔒 Security	Publish IP address	1	Disabled	•	Configure publish IP address		
IP Services	Re-publish interval		0	minutes	0 for publication only at initial co	nnection	
umanage Coning	"On demand" Internet conr	ection 2	<u> </u>				



Knowledge Base

KB-0266-0 / Rev. 1.0

#	Value	Description	
1	Publish IP address	Enable or disable the publishing request	
2	Re-publish interval	By default: 0. The publication is only done at startup but it's possible to republish the IP address every X minutes	

- Caution -

In all cases, the Publish IP address option needs to be enabled in order to authorize the publishing requests.

3. Configure the publish IP feature

In the eWON menu, go to:

[TOP MENU] //Configuration/System Setup/Communication

[Side MENU]// Networking/Publish IP Address/

Select your DDNS provider solution to display the configuration settings:

- Note -

The "DynDNS.org" provider will be only taken as example in the screenshot below:

a Etb1 - LAN	Publish IP address		
	Publish by EMail	🗖 Enabled	
Internet Connection	Publish by dynamic DNS	DynDns.org	
. 🥑 VPN Connection	Dynamic DNS Username		
N Publish IP Address	Dynamic DNS password	•••••	
Routing	Dynamic DNS Host name		
A Security	Dynamic DNS Domain name		
💩 IP Services	Debug connection		



Knowledge Base

KB-0266-0 / Rev. 1.0

Value	Description
Publish by eMail	Send an eMail on each (re)publishing request
Dynamic DNS Username	Username of the account used for the Dynamic DNS provider
Dynamic DNS Password	Password of the account used for the Dynamic DNS provider
Dynamic DNS Host name	Host name registered in the Dynamic DNS provider
Dynamic DNS Domain name	Domain name registered in the Dynamic DNS provider

3.1. Create and manage a Dynamic DNS solution

The "No-Ip.com" Dynamic DNS provider will be taken as example in the next configuration steps.

- Caution -

The following screenshots need to be seen as example and cannot be used for your own configuration.

Hostname Information				
Hostname:	Support.no-ip.org	0		
Host Type:	ONS Host (A) ONS Host (Round Robin) ONS Alias (CNAME)	0		
	Port 80 Redirect Web Redirect			
IP Address:	37.184.72.211 Last Update: 2012-12-17 02:40:21 PST	0		
Assign to Group:	- No Group -	0		
Enable Wildcard:	Wildcards are a Plus / Enhanced feature. Upgrade Now!	0		
Advanced Records:	TXT, SPF, and SRV records and the use of some special clients are Plus / Enhanced features. Upgrade now to use them.	0		

Host	IP/URL	Action
😪 Hosts By Domain		
no-ip.org		
Support.no-ip.org	178.144.55.152	Modify 💥 Remove

The eWON will be reachable using Support.no-ip.org instead of an IP address. The Dynamic DNS will manage the redirection to the IP address of the eWON.



- Note -

Creation process, feature or price might depend on your Dynamic DNS provider. Please refer to it for details or requests.

3.2. Apply Dynamic DNS configuration to your eWON

General		Communication		<u>Storage</u>				
OM Config	Publish IP address							
Modem	Publish by EMail		🖾 Enabled					
Eth1 (LAN)	Email destination address		Support@eWON.biz					
Eth2 (WAN)	Publish by dynamic DNS		No-Ip.com					
Network connections	Dynamic DNS Username		SupportE					
LAN Dynamic DNS pass	Dynamic DNS password		•••••					
	Dynamic DNS Host name		Support					
Hodem	Dynamic DNS Domain name		no-ip.org					
E VIN	Debug connection							
Internet Connection	This page only configures the IP publishing procedure. Publish request must be enable here Publish during internet connection and/or here Publish during callback.				Publish during callback.			
VPN Connection Publish IP Address					Update			

The configuration requests:

- the credentials of the Dynamic DNS account
- The information of the registered host name

The host name Support.no-ip.org is composed of two parts:

- The Host name is a unique parameter (In green in the example)
- The Domain name can be common to several Host name (In blue in the example)

- Note -

You can also request the eWON to send an email with the IP information every time a new publishing request is done. If you have configured a re-publishing interval timer, an email will be sent on every re-publishing request (even if the IP is the same)

Revision

Revision History

Revision Level	Date	Description
1.0	22/06/2016	Document creation

Document build number: 10

Note concerning the warranty and the rights of ownership:

The information contained in this document is subject to modification without notice. Check https://ewon.biz/support for the latest documents releases.

The vendor and the authors of this manual are not liable for the errors it may contain, nor for their eventual consequences.

No liability or warranty, explicit or implicit, is made concerning the quality, the accuracy and the correctness of the information contained in this document. In no case can the manufacturer's responsibility be called for direct, indirect, accidental or other damage occurring from any defect of the product or mistakes coming from this document.

The product names are mentioned in this manual for information purposes only. The trade marks and the product names or marks contained in this document are the property of their respective owners.

This document contains materials protected by the International Copyright Laws. All reproduction rights are reserved. No part of this handbook can be reproduced, transmitted or copied in any way without written consent from the manufacturer and/or the authors of this handbook.

eWON sa