

eCatcher 6.6

RELEASE EXPLAINED

RE-0002-01 ENGLISH

eCatcher version 6.6

Release Note Explained

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Important User Information

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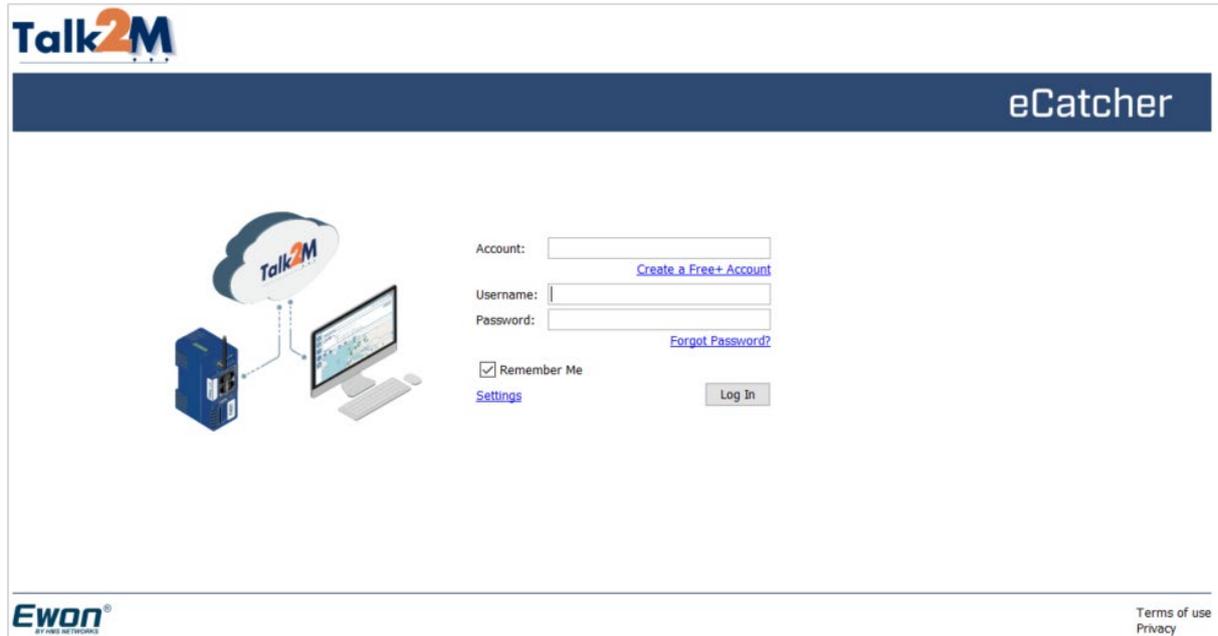
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1. Login Page (ALL)

Login page modification,

This new look shares the same vision and design than our other solution & product.



Create new account, Forgot password or Settings options are still accessible from this Login page.

2. Contract details (ALL)

Contract details are now clearly summarized inside de “Account” settings

The Free accounts still have direct link to Learn more about the Talk2M Pro package or upgrade

Credit & Contract
Credit Balance on 7/3/20: EUR15.00

Contract (valid from : 9/5/19)

	Included	Used	Unit price
Concurrent connection	1	0 currently in use	N/A
VPN Traffic		0 GB	N/A
DataMailbox usage		0 M datapoints	N/A
SMS	0	0	EUR0.30

You have a Talk2M Free+ account
[Learn more about Talk2M Pro](#)
[Talk2M FAQ](#)

[Credit and payments...](#)
[Request Talk2M Pro...](#)

NOTE:

The Wizard boxes behind the upgrade process behind the Request Talk2M Pro was reviewed to be clearer for the new users.

The PRO accounts have the rights to change some of the options (like concurrent connection) directly from this table.

Credit & Contract
Credit Balance on 7/2/20: EUR8.10

Contract (valid from : 5/14/20)

	Included	Used	Unit price
Concurrent connections	3 (modify)	0 currently in use	EUR0.00 / CC
VPN Traffic	9 GB	0 GB	EUR4.00 / GB additional traffic
DataMailbox usage		0 M datapoints	EUR0.00 / M additional datapoints
SMS	50	0	EUR0.15

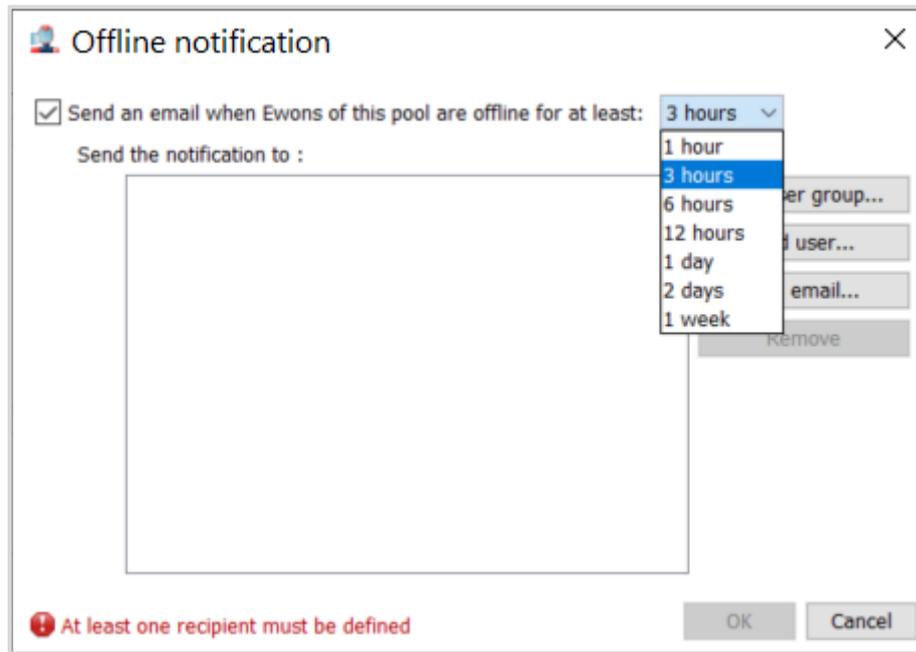
You have a Talk2M Demo account
[Talk2M FAQ](#)

[Credit and payments...](#)

3. Offline Notifications delay (PRO)

The delay for the first offline notification is now decreased to 1 hour.

All previous settings are still possible:

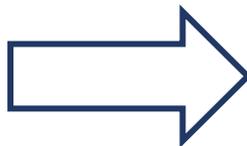


4. Ecatcher Online Help (ALL)

New layout, addition of new content including in the Troubleshooting

The screenshot shows the 'eCatcher Online Help' interface. The top navigation bar includes the Ewon logo and navigation icons. The main content area is titled 'Connect to an Ewon' and displays the progress of a connection to a Talk2M device. A progress bar indicates 'Connecting Talk2M: Opening VPN tunnel...'. Below this, there are instructions and a list of active connections. The list includes details for 'Bulk Storage', 'Gateway', 'USB Flash Memory', and 'LAN: PLC belt Conveyor'. A 'Disconnect' button is visible next to the 'LAN' entry. The interface also features a 'Talk2M Server Status' logo in the bottom left corner.

The “Talk2M Server Status Logo” redirect you a quick overview of our Data centers health



Talk2M Status

Status	Data centers
✓	Europe
✓	Australia
✓	Japan
✓	West US
✓	East US
✓	India
✓	China
✓	South Africa
✓	Talk2M Access Servers

5. API Tokens - Implementation & Management

The API feature is now using API Token instead of the previous implementation based on the Talk2M credentials

5.1 Why using Token instead of user credentials?

The first implementation of the Datamailbox API was based on the Talk2M Credentials. Most of the API usage doesn't require any access to the eCatcher account or Ewons,

We switched to a API token system, adding an extra layer of security by allowing only access to the API functions and retrieving data of specific Ewons.

5.2 What is an API Token?

API tokens are a way to log on your account as a specific user/device but limited to API usage only. A token is a string of maximum 50 characters (ASCII numbers and letters, uppercase and lowercase).

The Talk2M account administrator creates a token for each application or 3rd party platform that they plan to use. The API Token allows access to the Ewons of the specified pool.

All tokens are referenced and managed in a list accessible via the Account page in eCatcher. The list of tokens is created and maintained in a specific section of the Account page in eCatcher.

5.3 Usage of the API tokens?

All the authentication parameters with the API Tokens are replaced by:

- t2mtoken

Important: For security reasons, this parameter is only available in HTTP POST queries.

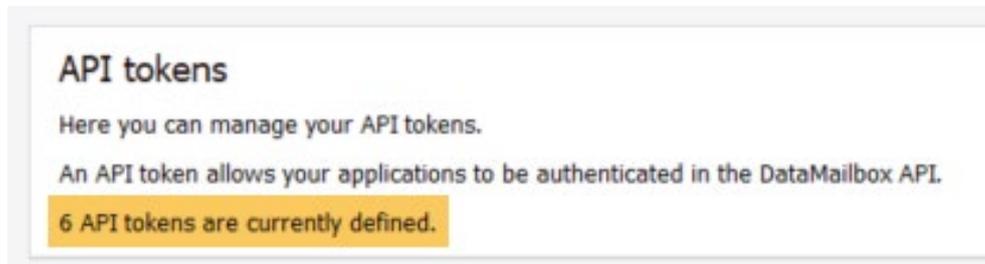
To preserve compatibility with existing applications that do not support the t2mtoken parameter, the parameters t2maccount, t2musername & t2mpassword can be used with a token in the following way:

- t2maccount = account name
- t2musername = 't2m-api-token'
- t2mpassword = token

However, this will only work if in the application POST HTTP queries have been used. GET HTTP requests will receive an HTTP 405 – Method Not Allowed error.

5.4 Token Management

The tokens are managed inside the advanced settings of the Accounts page.



The number of current defined tokens is indicated as a reminder in the API Tokens section.

To open the API Token configuration page, click on the “Manage...” button.

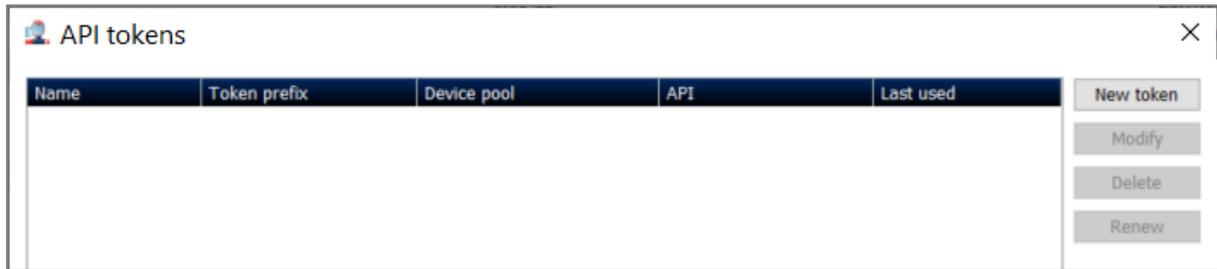
A modal dialog window opens containing:

- The list of existing tokens
- Buttons: “New token”, “Modify”, “Delete” and “Renew”

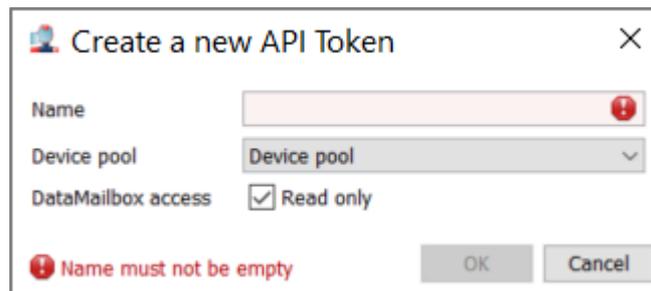
Name	Token prefix	Device pool	API	Last used	
ApplicationXY_CompanyB	VE3aE	Company_B	DataMailbox		New token
ApplicationXY_CompanyA	LhGQ	Company_A	DataMailbox		Modify
ApplicationXY	OM3rO	Device pool	DataMailbox	4/21/20	Delete
					Renew

Column	Description
Name	The name you specified for the token
Token prefix	The prefix of the token. For security reasons, the token itself can only be retrieved during the creation process of the token. The display of the prefix here allows to identify the token later.
Device Pool	The Device pool linked to the token. The token will give access to the data of all Ewons contained inside this pool.
API	The type of API. Currently fixed to “DataMailbox”
Last used	The date (the day) when the API was last used. For implementation reasons, the time of modification is not displayed, only the date. This is more accurate and avoids updating the DB for each API call.

5.4.1 Add API Token



Inside the API token configuration page click on the “New token” button.



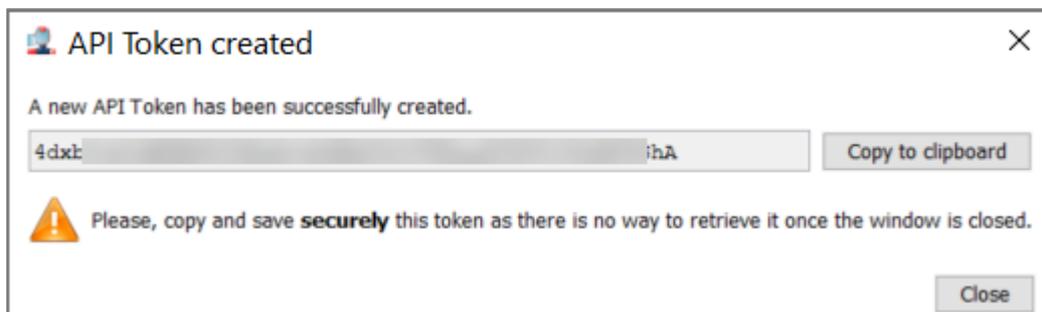
Name: specify a name to identify your token. The name could for example contain information of the application or the partner who will use the token to retrieve the data.

Device pool: the API token will give access to all Ewons contained inside the device pool selected here.

DataMailbox access: check the ‘read only’ option to create a token which cannot delete data out of the Data Mailbox. Delete, reset,... are not allowed.

Note: Talk2M Free+ accounts do not have pools, therefore, for free accounts the “Device_pool” field is not displayed.

Click “OK” to create the API token.
The next window will show the new created token.

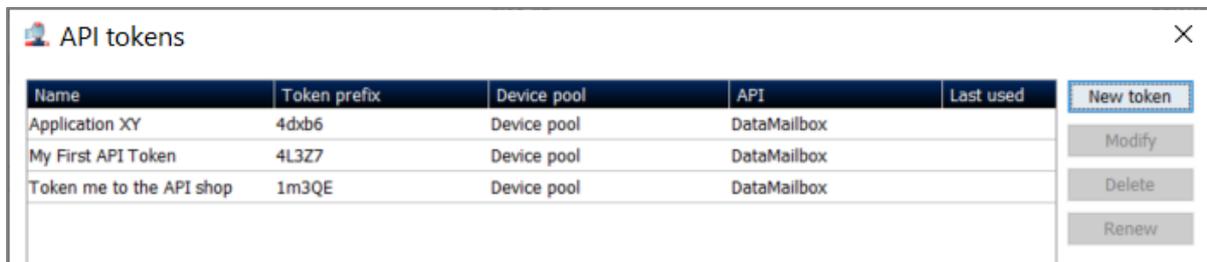


Use the Copy to clipboard button to retrieve the token.
As mention on the window, this is the only time you will have access to the API token.

Once the window is closed, you will no longer be able to display it.
If you forgot the token you’ll need to renew it.

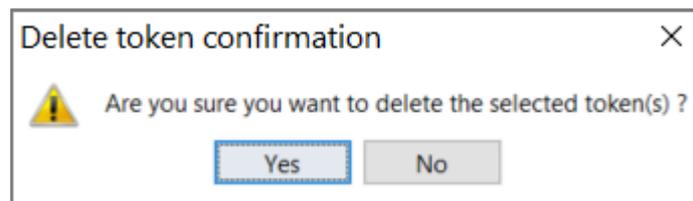
5.4.2 Remove API Token

Inside the API token list, select the API token you want to remove and click on the “Delete” button.



Name	Token prefix	Device pool	API	Last used	
Application XY	4dxb6	Device pool	DataMailbox		New token
My First API Token	4L3Z7	Device pool	DataMailbox		Modify
Token me to the API shop	1m3QE	Device pool	DataMailbox		Delete
					Renew

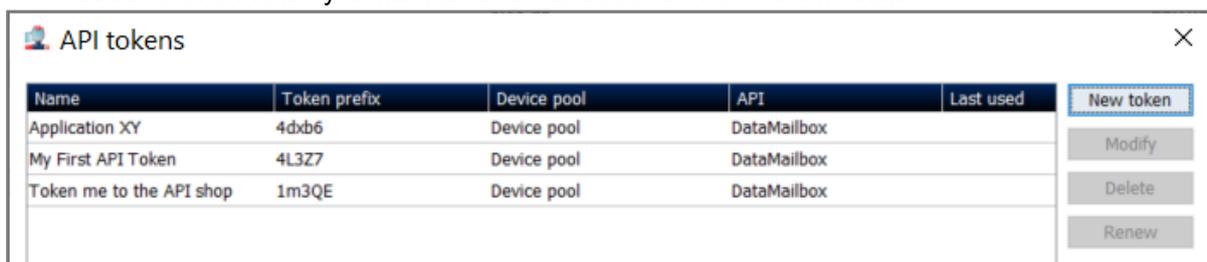
A ‘Delete token confirmation’ popup will be displayed. Click “Yes” to remove definitively the token.



5.4.3 Renew API Token

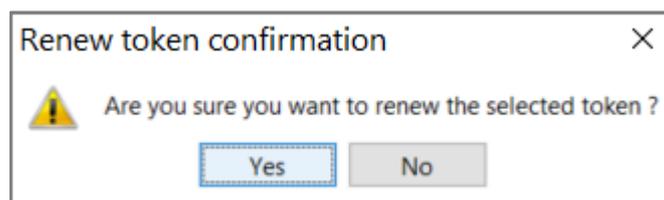
After the creation of a API Token, the API Token Key will no longer be able to fully display it. If you forgot the token you’ll need to renew it.

Inside the API token list, select the API token you want to renew and click on the “Renew” button.



Name	Token prefix	Device pool	API	Last used	
Application XY	4dxb6	Device pool	DataMailbox		New token
My First API Token	4L3Z7	Device pool	DataMailbox		Modify
Token me to the API shop	1m3QE	Device pool	DataMailbox		Delete
					Renew

The Renew button combines the Delete button with the New token button: The information of the token remains the same, but a new token is generated.



NOTE: The link with all the existing application using this API Token will be broken.

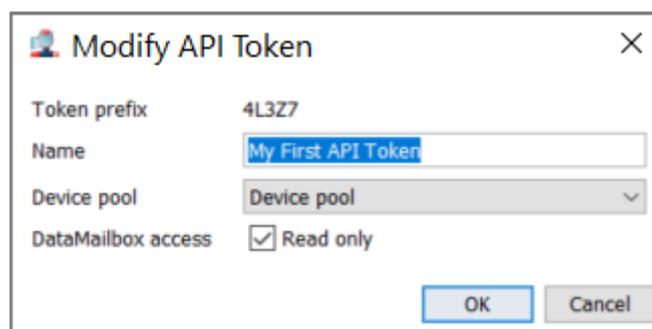
5.4.4 Modify API Token

Inside the API token list, select the API token you want to change and click on the “Modify” button.



Name	Token prefix	Device pool	API	Last used	
Application XY	4dxb6	Device pool	DataMailbox		New token
My First API Token	4L3Z7	Device pool	DataMailbox		Modify
Token me to the API shop	1m3QE	Device pool	DataMailbox		Delete
					Renew

This window allows to change the Name & the Device pool associated to the API Token. You can also change the DataMailbox access type.



Modify API Token

Token prefix: 4L3Z7

Name:

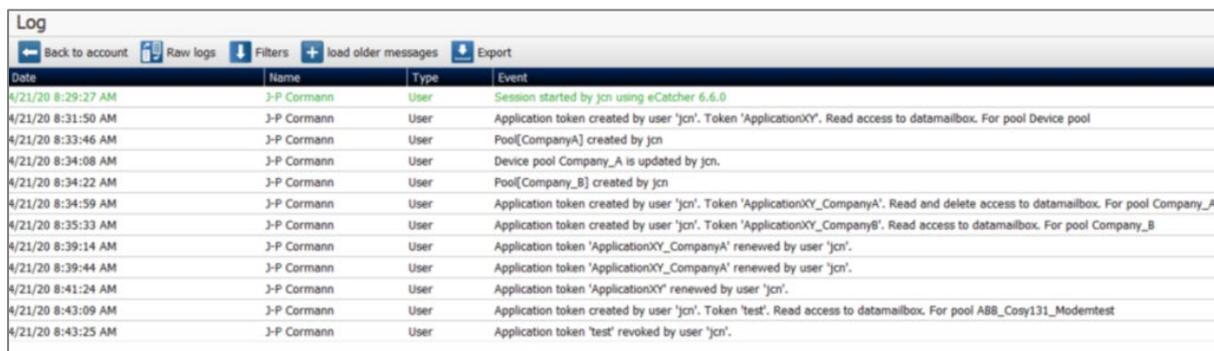
Device pool:

DataMailbox access: Read only

[OK](#) [Cancel](#)

5.4.5 API Token Logs

All token operations are logged in the account logs (including the user that performed the operation)



Date	Name	Type	Event
4/21/20 8:29:27 AM	J-P Cormann	User	Session started by jcn using eCatcher 6.6.0
4/21/20 8:31:50 AM	J-P Cormann	User	Application token created by user 'jcn'. Token 'ApplicationXY'. Read access to datamailbox. For pool Device pool
4/21/20 8:33:46 AM	J-P Cormann	User	Pool[CompanyA] created by jcn
4/21/20 8:34:08 AM	J-P Cormann	User	Device pool Company_A is updated by jcn.
4/21/20 8:34:22 AM	J-P Cormann	User	Pool[Company_B] created by jcn
4/21/20 8:34:59 AM	J-P Cormann	User	Application token created by user 'jcn'. Token 'ApplicationXY_CompanyA'. Read and delete access to datamailbox. For pool Company_A
4/21/20 8:35:33 AM	J-P Cormann	User	Application token created by user 'jcn'. Token 'ApplicationXY_CompanyB'. Read access to datamailbox. For pool Company_B
4/21/20 8:39:14 AM	J-P Cormann	User	Application token 'ApplicationXY_CompanyA' renewed by user 'jcn'.
4/21/20 8:39:44 AM	J-P Cormann	User	Application token 'ApplicationXY_CompanyA' renewed by user 'jcn'.
4/21/20 8:41:24 AM	J-P Cormann	User	Application token 'ApplicationXY' renewed by user 'jcn'.
4/21/20 8:43:09 AM	J-P Cormann	User	Application token created by user 'jcn'. Token 'test'. Read access to datamailbox. For pool AB8_Cosy131_Modemtest
4/21/20 8:43:25 AM	J-P Cormann	User	Application token 'test' revoked by user 'jcn'.