



For all eWON® types

1 Introduction

It can be very useful to be able to remotely modify the Tag properties or the configuration from the eWON.

There are various ways to perform this operation, such as:

- **Modifying and upload the config.txt file (FTP access)**
- **Modifying and upload the comcfg.txt file (FTP access)**
- **Use the remote.bas file (FTP access).**

1.1 Before you start...

- **eWON is managing the Tags by the "Name" property which is the unique identifier for the Tag.**
- **For internal efficiency purposes, an internal Table is used with an entry for each Tag : the "Id".**
- **For User Interface convenience, a third reference is accessible from Basic : the "Index".**

In eWON life cycle (i.e. after each reformat of the flash file system), a Tag "Id" is only affected once.

It means that when you delete a Tag, the corresponding "Id" is set to a null pointer value.

If you recreate a Tag with the same "Name" it will receive a new "Id".

The only way to change the "Name" property while keeping the "Id" value is to use the configuration interface.

In this document, we will see the FTP access modification procedures and discuss their functional aspects.

2 Using the config.txt and comcfg.txt files

Config.txt and *comcfg.txt* are two text formatted pseudo files from the eWON System Folder:

- **config.txt refers to the whole set of configuration parameters, except for the communication parameters.**
- **comcfg.txt refers to the whole set of communication configuration parameters.**

You can retrieve the whole configuration from your eWON, by downloading these files from the eWON to your computer. This can be useful, i.e. in order to keep a "well-known" eWON configuration prior to make changes.

It is possible to change some of those file's parameters, by creating a file with the same name, that only contains the lines of which parameter you want to be changed.

- **The file config.txt contains parameters' sections that are separated by header titles: ":", "System", ":", "TagList" and ":", "UserList", that have to be**
- **Since comcfg.txt contains only one Section of Parameters, the corresponding ":", "com" label is of no use.**

Examples :

if you want to change the Identification Parameter, then upload the following config.txt file to the eWON:

```
:System
```

```
Identification:MyNewIdentity
```

If you want to enable Transparent Forwarding, then upload the following comcfg.txt file to the eWON:

```
RTEnTransFw:1
```

The sections ":", "TagList" and ":", "UserList" are composed of lists (in .csv format), you must describe the contents of the list (the set of parameters you want to change) immediately after the section header.



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Example : if you have a Tag, the Name of which is **MODBUSTest**, and you want to change the Description (previously empty), you have just to upload the following config.txt file to the eWON:

```
:TagList
"Name";"Description"
"MODBUSTest";"New Description"
```

Remember, only the Name of a Tag is used as unique identifier.

If you want to rename a Tag by using the config.txt file, you have to delete and recreate a similar Tag.

If you want to delete a Tag which name is "MyTag", you have just to upload the following config.txt file to the eWON:

```
:TagList
"Name";DoDelete
"MyTag";1
```

You can also use the var_lst.txt file to manage the Tags list (available in csv format too). It has the same content as the ":TagList Section" from the config.txt file. You can modify exactly the same way, that means, with any .txt or .csv editor.

Remember that you just have to send the parameters you want to update.

3 Using the remote.bas file

The eWON equipment is programmable, and you can transfer the BASIC Program you have written with the script configuration interface, thanks to the pseudo file program.bas. This file is also to be modified on your computer and then sent back to the eWON.

There is another special Basic file called remote.bas, which can only be uploaded to the eWON, for a one-shot execution of the Basic code it contains.

Example : if you want to set the value 1 to the Tag of which name is "MyTag", then transfer the following remote.bas file to the eWON:

```
myTag@=1
```

The Tag value will be updated just after remote.bas has been uploaded.

This remote.bas file is able to run any of the BASIC programming set of Instructions.

Hence, you might use it to launch data transfer (SENDMAIL, PUTFTP, etc...) or to modify the configuration, using the GETSYS and SETSYS instructions (please refer to the eWON User Manual for a detailed description from those instructions).

Examples :

Upload the following remote.bas file on the eWON to acknowledge the alarm from "MyTag":

```
Setsys tag,"load","MyTag"
Setsys tag,"DoAck",1
```

Upload the following remote.bas file on the eWON to delete the Tag named "MyTag":

```
Setsys tag,"load","MyTag"
Setsys tag,"DoDelete",1
Setsys tag,"save"
```

Pay attention to the fact that any modification you perform with the Basic SETSYS instruction will not be copied to the flash file system before you save the configuration, hence the use of Setsys Tag,"save"...