ControlMaestro™ 2015

Release Notes

Open your Supervision

Release notes of the new features and improvements of ControlMaestro 2015.

ControlMaestro 2015

Release Notes v01A

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1. ControlMaestro Installation

1.1. Prerequisites

A back-up of the existing installation must be made prior to installation.

Supported Operating Systems and SQL servers

- ✓ Windows 2008 server R2 (multi-language, 64 bits)
- ✓ Windows 2012 server (multi-language, 64 bits)
- ✓ Windows 7 (multi-language, 32 bits and 64 bits)
- ✓ Windows 8.1 (multi-language, 64 bits)
- ✓ SQL Server 2008 R2, 2012 SP2, 2014 : all versions including Express Edition

Operating environment

It is strongly recommended that you install ControlMaestro only on the machine (hardware or virtual) used for your project. It is also strongly recommended to use a 64 bits operating system.

System requirements

N.B.: The Windows Operating System installed may require more resources than those recommended for ControlMaestro (for example Windows 2008 R2 Server I7 processor / 8GB RAM).

- **Processor**: Intel I5 – 2.1 GHz **(recommended: Intel I7 2.4 GHz or higher)**. ControlMaestro supports multi-processor architectures, dual-core processors, and chipsets using 'hyper-threading' technology.
- **Memory**: 4 GB **(8 GB recommended)**.
- **Hard disk**: min. 500 GB.
- **Graphic card**: 512 MB **(1 GB recommended)**.
- **Monitor resolution**: 1280 x 1024 or higher **(1920 x 1080 recommended)**.
- **Mouse**: any PC-compatible mouse.
- **USB port**: required for the dongle.
- **TCP/IP configuration**: IP address can be fixed or provided by a DHCP server.
- **SQLServer Database**: **SQLServer is required**.
- **Web server**: a web server is required for publishing the application. MS IIS (Internet Information Server) version 7 is recommended.
- **Browser**: Java version 7 and 8 supported. Java and JavaScript must be activated. Cookies should be allowed. For Control Maestro web pages, any browser with JAVA plug-in is supported.
- **Internet Explorer version 10 minimum**

SQL Database requirements

ControlMaestro requires to operate with a SQL Server database.

Several options are possible:

1. local instance of SQL Server:
   The server will run ControlMaestro and SQLServer

2. remote instance of SQL Server:
   One server will run ControlMaestro, and another server will run SQLServer.

1.2. Installation instructions

1. Close all ControlMaestro applications.
2. Close all other applications and disable any anti-virus programs.
3. If an existing application has been upgraded, **read the document carefully**.
4. Run the installation program with administrator rights.
5. Follow the instructions.

ControlMaestro setup now offers the possibility to install SQL Server express 2014 (embedded in the setup).

Warning: with Windows 8.1 or Windows Server 2012 an internet connection will be required to download and install .NET 3.5 SP1 Framework (required for SQL Express version).

The user will not have any more the choice to install the windows security. It will be installed by default on all applications.

2. ControlMaestro versions support

The following versions are currently supported:
- ControlMaestro 2013
- ControlMaestro 2015

ControlMaestro 2011 and all previous versions have reached the end of support.

3. ControlMaestro 2015 new features

3.1.Features streamlining

3.1.1. Driver installed

The following drivers are supported and delivered with the installation:

- Modbus TCP-IP
- Modbus RTU
- Modbus slave
- BACnet
- Siemens STP
- OPC (DA,AE,serveur DA)
- Elutions dummy driver
- Elutions random driver

3.1.2. Remove obsolete features

For new applications, the following old features will be disabled by default from the Studio:

- Tag Mapper (Tag Context should be used instead)
- DDE
- Replay
- Text Tables (Multi States should be used instead)
- Image options
- ODBC connectivity
- Multi Language
- PDA (Java should be used instead)
- Biometry (No longer supported)
- Proprietary and codebase data archive format

The following Apptune parameters could re-enable some feature:

- SHOW_TAG_MAPPER= YES/NO
- SHOW_DDE= YES/NO
- SHOW_REPLAY= YES/NO
- SHOW_TEXT_TABLE= YES/NO
- SHOW_IMAGE_OPTIONS= YES/NO
- SHOW_ODBC= YES/NO
- SHOW_MULTI_LANGUAGE= YES/NO
- SHOW_PDA= YES/NO
- SHOW_BIOMETRY= YES/NO

New application will require a SQL Server connection and it will not be possible to use proprietary data archive format once converted in SQL.

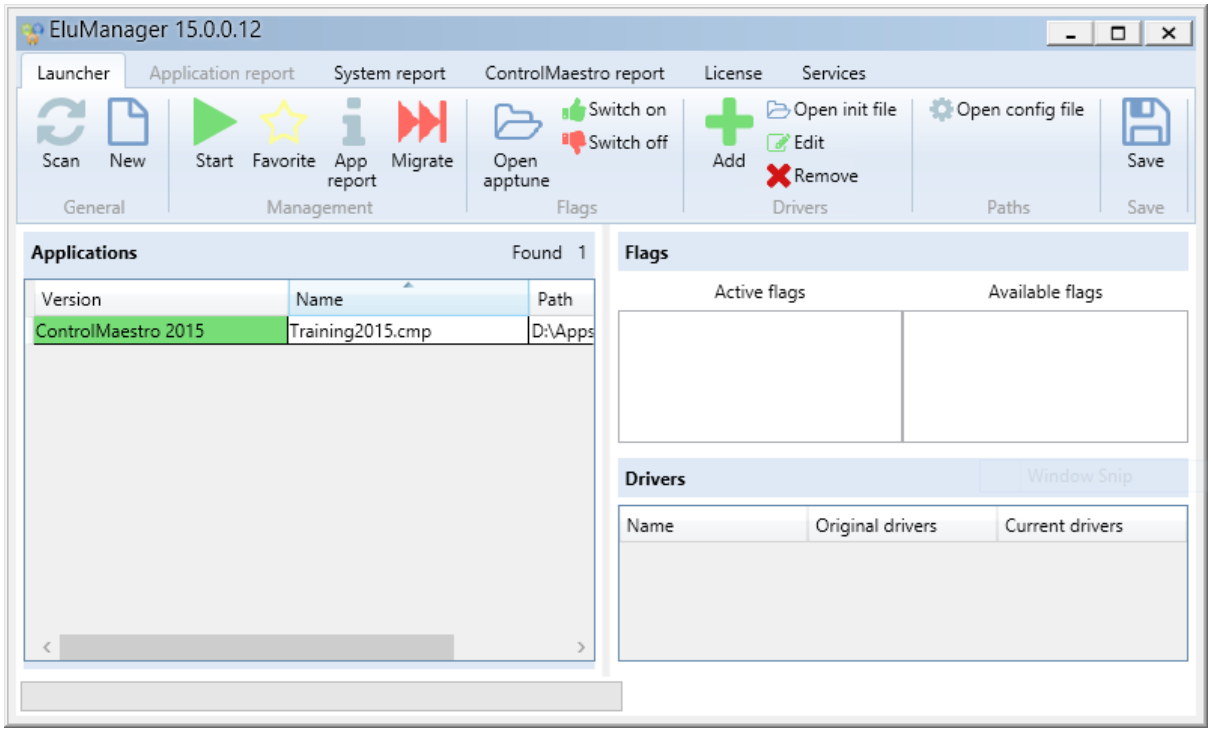
3.1.3. Warning when calls detected to obsolete WIZ API

For old wizcon API the following trace will be added in the errors.dat file:

```
[DEPRECATED]WizXXXX is deprecated and will not be supported in further version, CMXXXX should be used instead.
```

3.2.Elu Manager

This version contains a new application which can manage projects and create detailed reports of applications and their environments.



3.2.1. ControlMaestro application manager

EluManager provides the following functions:

Launcher:

- Scanning ControlMaestro and Wizcon applications on the disk
- Creating a new application
- Starting a ControlMaestro application
- Managing favorites applications
- Migrating Wizcon application

Configuration:

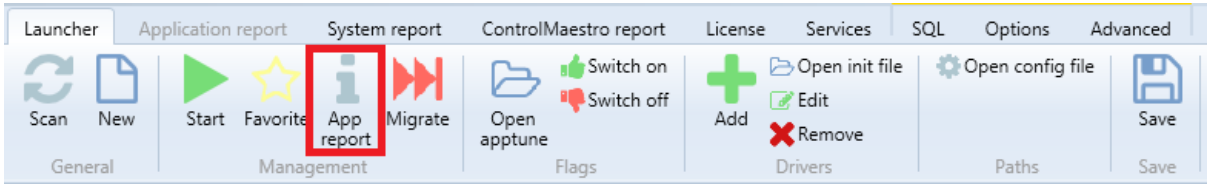
- Opening ControlMaestro configuration file (apptune.dat) or directly modifying flags
- Opening drivers configuration file or directly modifying parameters
- Opening path configuration file
- Managing W3SVC and Elutions Services
- Configuring EWP, history and audit trail data sources
- Enabling / disabling scheduler, audit trail and AAM

Support:

- Cleaning the application (this operation will remove the following files : crash logs, backup files, logs, old Wizcon files)
- Resetting default user password
- Changing drivers to dummy/random and restore it
- Restoring the original apptune.dat file

3.2.2. Application Report

Elu Manager generates a detailed report about system, ControlMaestro program installation and applications.



A global report is stored in XML format and in HTML format.

System report

The system report lists different data about the system, the following criteria are retrieved:

Elu Manager

- Version

Hardware

- RAM
- CPU
- List of physical disks (local disk or remote disk)
- List of Plug and Play devices

System Environment

- OS
- Network
- VM
- Windows firewall
    - List of authorized ports
    - List of authorized applications
- .Net Framework version
- Antivirus
- ODBC data sources names
- Domain
- IIS application pools
- IIS websites
- Time Zone

- Daylight Savings enabled

Software

- Installed program list, including:
  - Hasp version
  - Java version
  - IE version
- Driver services list
- Other services list

Control Maestro report

The Control Maestro report lists different data about the ControlMaestro program installation. The following criteria are retrieved:

- Version
- Update
- Installation language
- Exe files
- Jar files
- Dll files

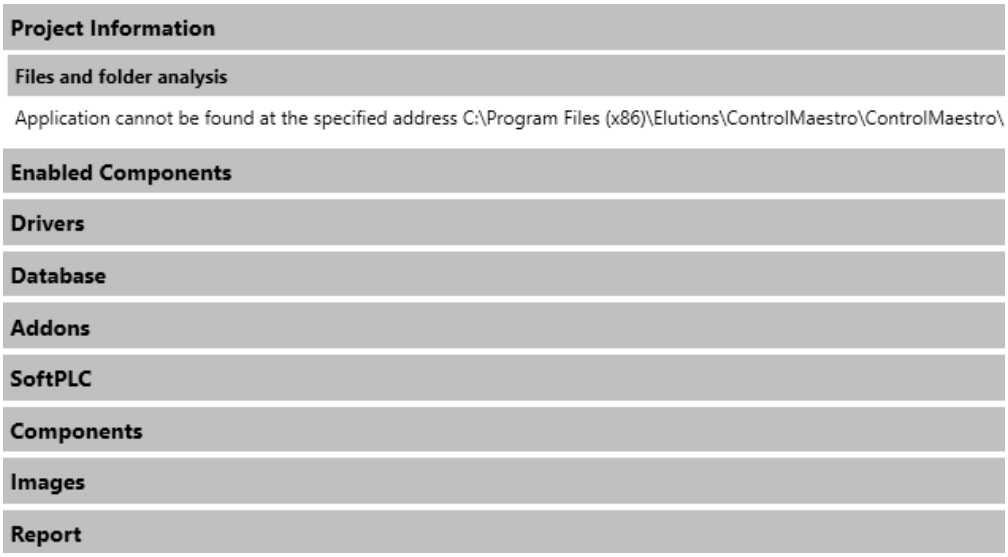
If Wizcon is installed on the computer, this report is not generated.

Application report

A report is generated for the selected application. A migration complexity rating is established globally for the application and detailed for each identified point that could be an issue.

A green light is displayed when the point ("Project information" in the example below) should not be an issue:

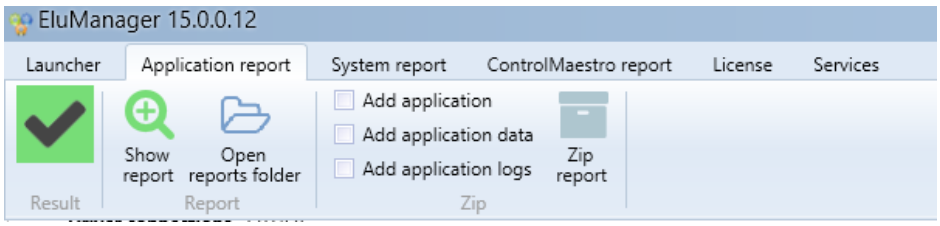
Or a description from the problem if there is a possible problem:



The report contains the following information in detail:

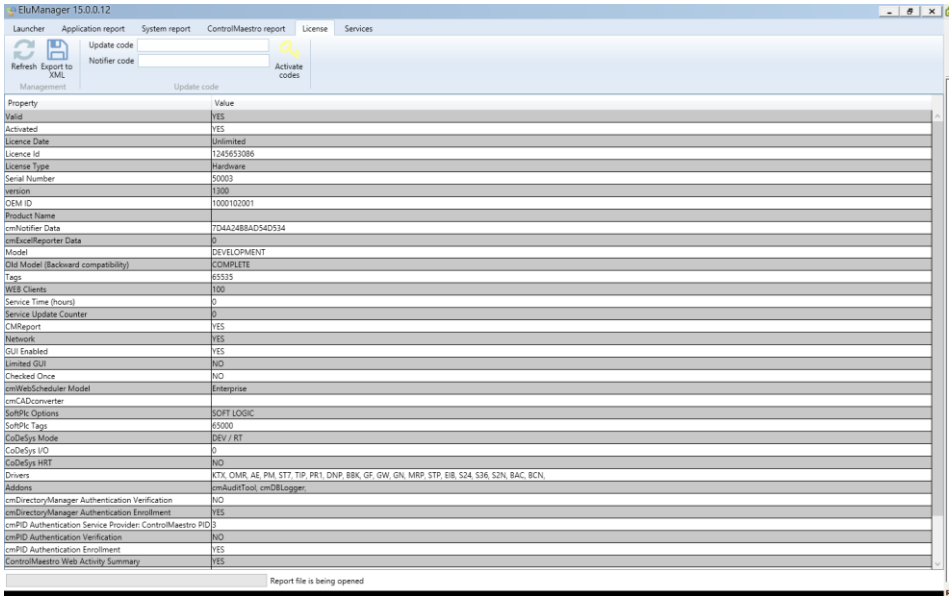
- Project general information
- Enabled Components
- Drivers
- Database
- Addons
- SoftPLC
- Components
- Images
- Report

Once the application report is generated, it is possible to save it in a zip file including the application, the application historical data and the logs.



License report

This report lists all license information contained in the dongle.


EluManager 15.0.0.12
Launcher
Application report
System report
ControlMaestro report
License
Services
Refresh
Export to XML
Management
Update code
Notifier code
Activate codes
Update code
Property
Value
Valid
YES
Activated
YES
Licence Date
Unlimited
Licence Id
1245653086
License Type
Hardware
Serial Number
50003
version
1300
OEM ID
1000102001
Product Name
cmNotifier Data
7D4A24B8AD54D534
cmExcelReporter Data
0
Model
DEVELOPMENT
Old Model (Backward compatibility)
COMPLETE
Tags
65535
WEB Clients
100
Service Time (hours)
0
Service Update Counter
0
CMReport
YES
Network
YES
GUI Enabled
YES
Limited GUI
NO
Checked Once
NO
cmWebScheduler Model
Enterprise
cmCADconverter
SoftPlc Options
SOFT LOGIC
SoftPlc Tags
65000
CoDeSys Mode
DEV / RT
CoDeSys I/O
0
CoDeSys HRT
NO
Drivers
KTX, OMR, AE, PM, ST7, TIP, PR1, DNP, BBK, GF, GW, GN, MRP, STP, EIB, S24, S36, S2N, BAC, BCN,
Addons
cmAuditTool, cmDBLogger,
cmDirectoryManager Authentication Verification
NO
cmDirectoryManager Authentication Enrollment
YES
cmPID Authentication Service Provider: ControlMaestro PID
3
cmPID Authentication Verification
NO
cmPID Authentication Enrollment
YES
ControlMaestro Web Activity Summary
YES
Report file is being opened

3.3.Driver advanced alarming on error

The operator knows the exact station which has a failure when a communication error is detected on the driver.

The solution will rely on dummy tags for all drivers. The main benefit is to use these dummy tags in images. When the state of a PLC communication changes, a dummy tag of a specific name will be updated. This behavior is applicable to any driver.

The format of the name is: COM_ERR_<DRVNAME>_<PLCNUM>
Where < DRVNAME > is the logical driver name and <PLCNUM> the number of the station.

For example the tag COM_ERR_MRPHVAC_14 will be used for a driver named MRPHVAC and the station number 14.

The value are:

- 0: communication is good
- 1: a communication error occurs

The value at startup is 0.

No specific action will be done if the tag is missing.

3.4.Multistate Export / Import with Tags

When exporting tags from projects with previous ControlMaestro versions and importing it to another application, the link between the tag and the multistate is lost. The goal is to be able to export a tag with its multistate definition, and then to import it to another application.

The generated file is in GLS or CSV depending on the option selected when exporting tags. Its name is the tags file name suffixed by MSTATES.
The tags file contains the name of the multistate definitions file so it can be automatically loaded when importing tags definition. Therefore both files must be in the same directory.

The multistate definitions are added using the same rules as tags import:

- Replace mode: remove all the multistate definitions which already exist in the application then import all the definitions in the file.
- Append mode: a multistate definition is added only if it does not exist in the application otherwise prompt an error.
- Mixed mode: replace existing definitions and add new ones.

3.5.New features in the Studio

3.5.1. Application network update enhancements

This tool allows the engineer working on a development station to deploy on remote stations. This tool is improved with the following features:

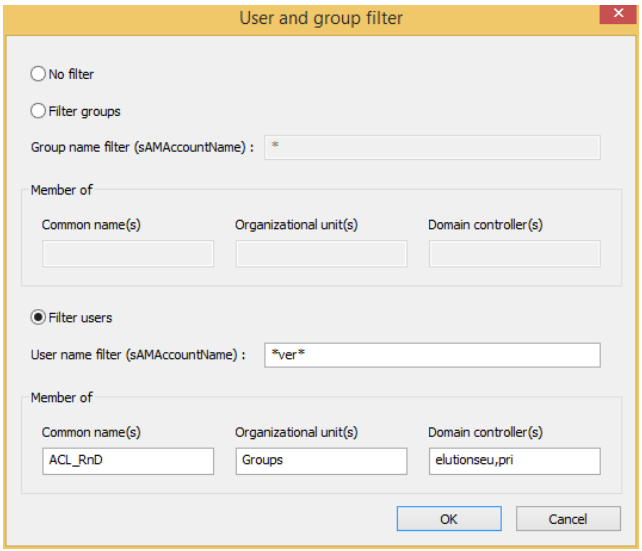
- All images files (VIM, RCI, IMG, JPG, and Zone Navigator) are merged into one directory. Same goes for charts, event summaries, history viewers and layouts.
- Images are automatically re-indexed after copying to another server (“gotozone” function with bacnet alarm requires the images to be indexed). For this an idx file will be created for each image file.
- Tag contexts are supported (A checkbox will be added to replace existing contexts. Other tag contexts will be added).

Warning: some modifications may require the remote ControlMaestro to restart.

3.5.2. LDAP Filter

For some customers, with a huge LDAP (millions of entities) and remote locations (distributed LDAP) it takes a very long time to fetch all the data for selection prior to importation.
The new function will provide a filtering capability in order to load specific LDAP entities.

In a new dialog box that allows the search:



Three filter methods are available:

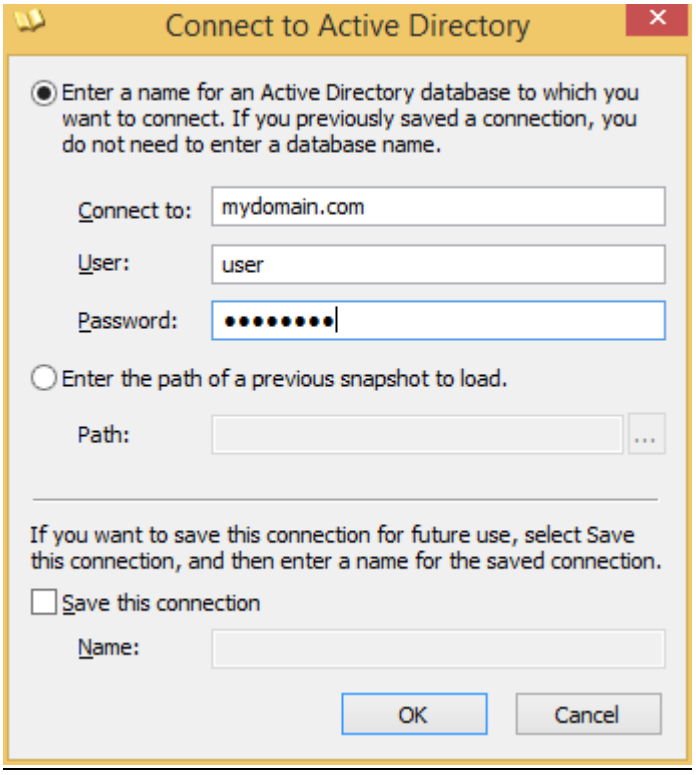
- No filter: default choice, display all the groups and the users
- Filter groups: get all the users but only the groups which match the filter criteria
- Filter users: get only the users which match the filter criteria. No groups are returned

Limitations:

- LDAP may allow commas in a distinguished name but Control Maestro cannot because it use them as a separator character
- The user and group filters cannot be combined because of LDAP limitations on the wildcards searches.

Note:

Users can be easily located within the LDAP hierarchy using a tool like AD Explorer. This utility allows you to navigate an AD database and view/edit various attributes.



3.6.BACnet

The bacnet driver from Control Maestro was improved to follow the BAWS standard.

Fallback of « ReadPropertyMultiple »

Fallback after any error rather current limited set of errors

Fallback to « ReadRange»

For any property that is list or array where value is too big to return in a single ReadProperty, fallback using ReadRange. Count of item per read will be determined by a global setting of the driver. Default is set to 10.

Upgrade to BACstac 6.4

In order to follow the BACnet standard version, and to display correctly the new standard object types. Certification is not requested.

BCN: Confirmed COV P from a PA array index is not accepted in the Tag

Current syntax of tag address doesn't accept using an index to access a single priority array item. It will be allowed.

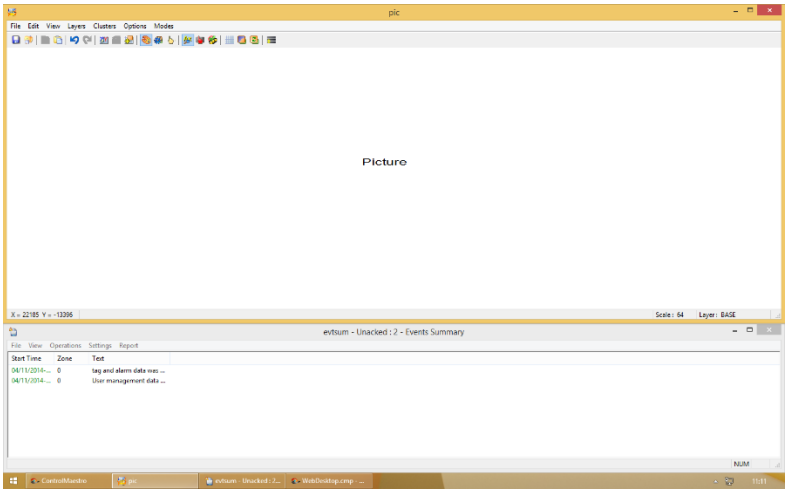
BACnet object view AI: Unit %rf is displayed as j/kg H2O in general

Will be confirmed with new BACstac implementation.

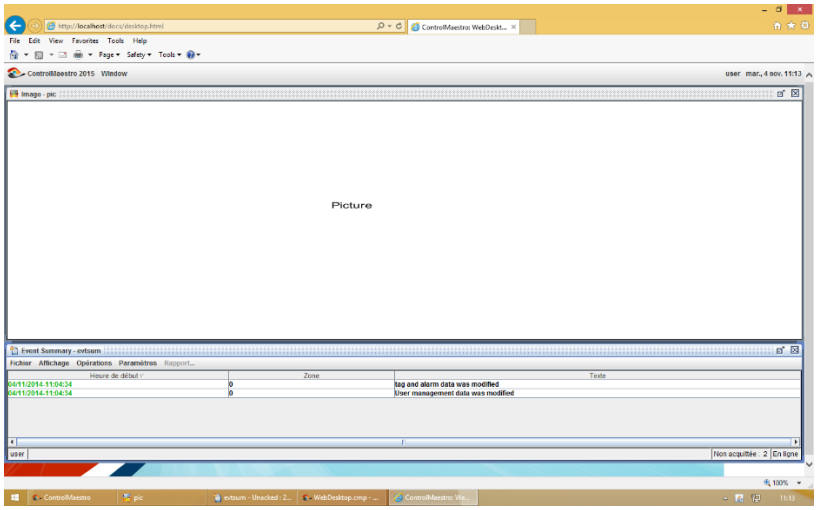
3.7.Web

3.7.1. Web desktop

Layout support has been improved in the web. The layouts in the web desktop keep the size and the position from the one in the studio.
The viewport position will be saved automatically by Studio. This will generate a pseudo layout for each viewport.



The desktop will load the corresponding layout when opening the window for a viewport. The layout logic (scaling and alignment) will not be change, keeping the currently used.

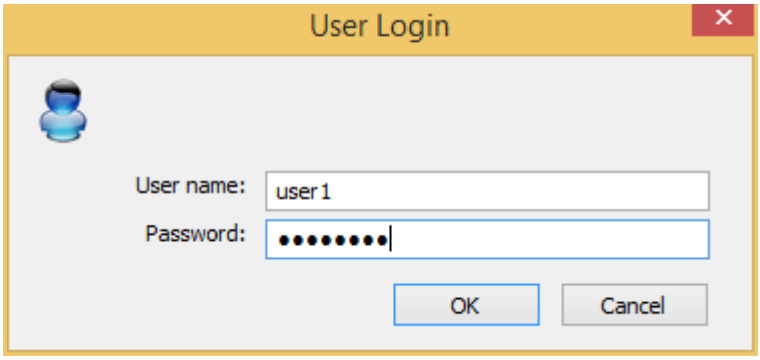


3.7.2. Change password in web

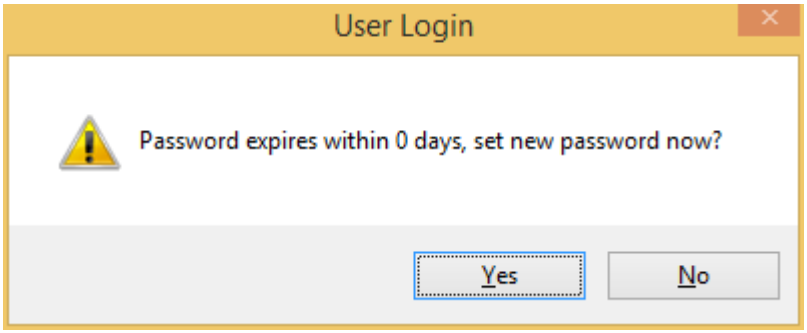
The password security management in Control Maestro is enhanced. User are now prompt to change the password after it expired in web and not only in the studio.

This improvement works as following:

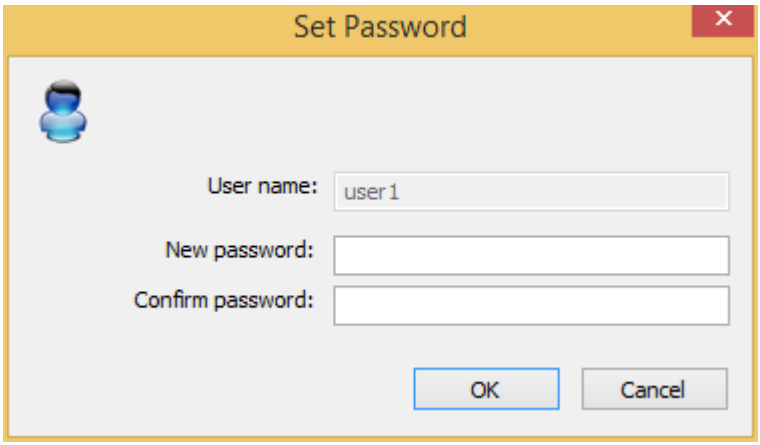
1. First the user enters his login information.



2. A new dialog box is displayed when a user password will expire soon or is already expired.



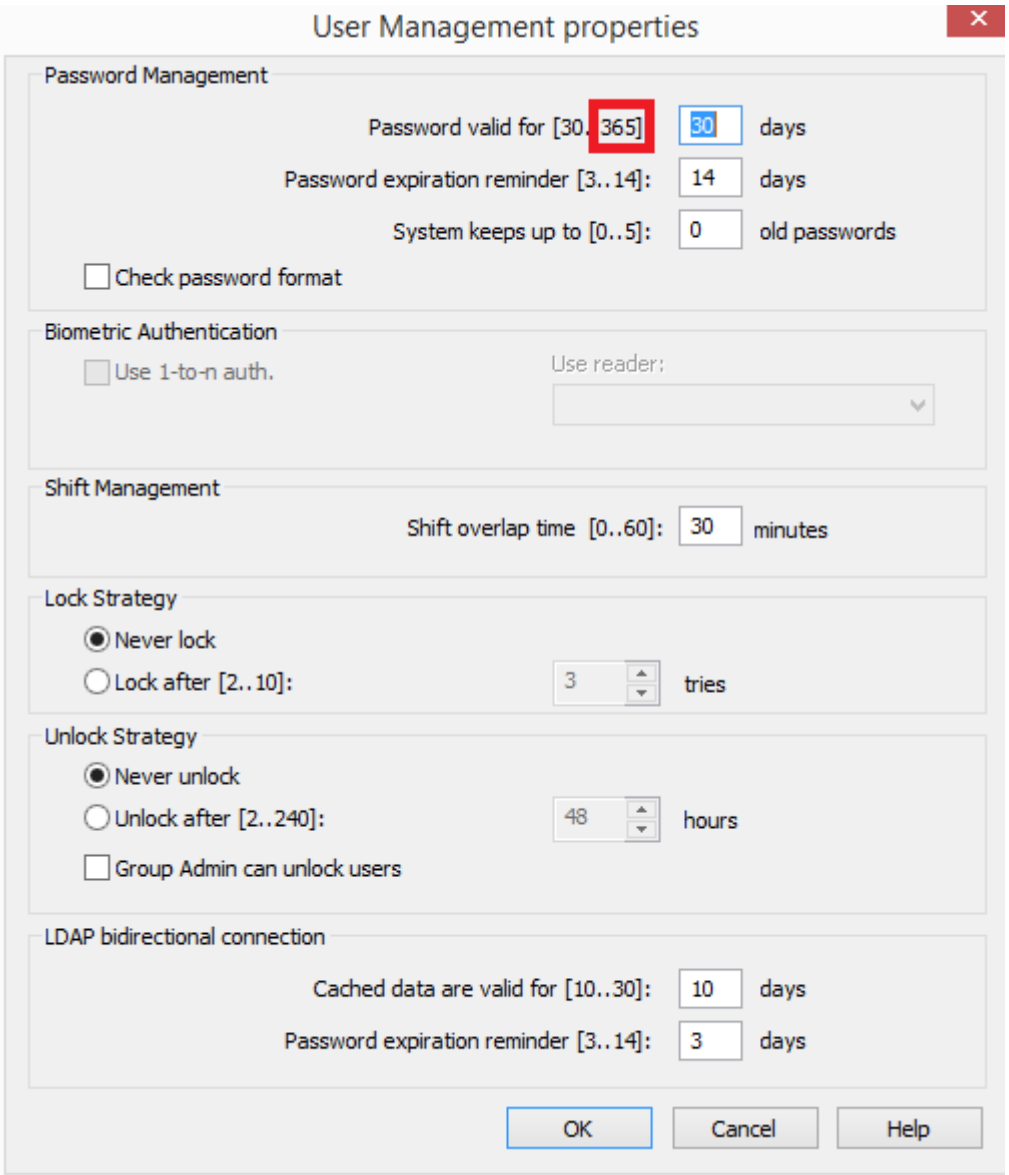
3. Clicking on 'Yes' button brings another dialog which allows the user to change his password.



Note: When using ControlMaestro passwords, the system prevents the user from entering the same password as the one which is already defined only if the system is configured to keep a history of old passwords.

LDAP limitation: it is not possible to change a LDAP password once it's expired.

Moreover the password validity limit can be set up to 365 days (90 days before).



3.8.Audit Trail On Tag change (FDA)

The FDA document 21 CFR Part 11 is an American guideline on electronic records and electronic signatures (ERES). It defines the criteria under which electronic records and electronic signatures are considered to be trustworthy, reliable and equivalent to paper records. This guideline is interpreted by each food or drug companies differently.

When a value of a data point is changed, an electronic signature of the user doing the modification is required. That signature consists of:

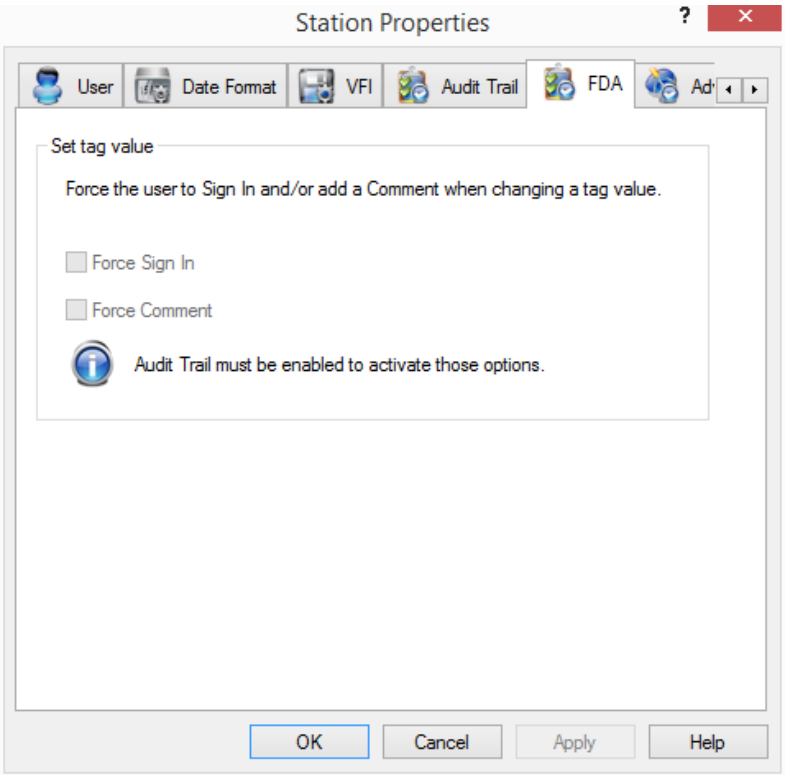
- User name validated by a password
- Comment

This electronic signature is to be stored in the Audit Trail.

3.8.1. Configuration

Global options

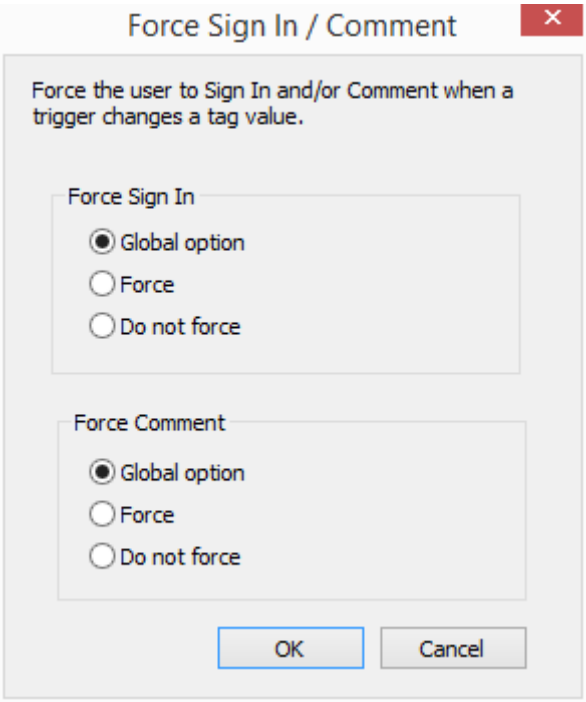
A new global option will activate FDA on all components. This option will have 2 checkboxes as shown below and will be located in the FDA tab of the application (only accessible with Audit Trail enabled).



The global options are stored in Apptune.dat file, under the following variables names:
FDA_CHANGETAGVALUE_FORCE_SIGNIN
FDA_CHANGETAGVALUE_FORCE_COMMENT

Images configuration

A configuration option will be available per image (and will be applied to both studio and web) to enable override of the FDA configuration.
This option will have 2 checkboxes and will allow specific per image activation of the feature for Login and/or Comment.



Scenario 1:

Global option: enabled
All images will use the global FDA Input Value with Login and/or Comment for the images.
Specific images can be configured and overridden with no FDA (for example for 'safe' or 'non critical' images).

Scenario 2:

Global option: disabled
All images will not use the global FDA Input Value with Login and/or Comment for the images.
Specific images can be configured and overridden with FDA enabled (for example for 'critical' images).

3.8.2. Modules impacted

The module impacted when FDA is enabled are:

- Single Write, Multiple Tags and List Viewer
- Specific per image option (trigger, fast action and slider object):
- BACnet Window in HTML and Java

3.8.3. Limitations

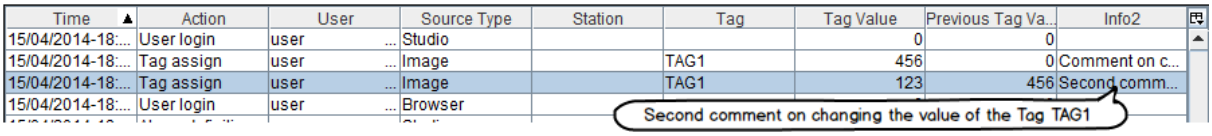
Limitation that will not support FDA on tag change:

- Locked Tags
- CMLanguage
- Macros (Changing the value of a tag with “TagAssignment” Macro will only displays the FDA dialog boxes if it is directly called from an image trigger (Action Trigger)).
- Recipes
- String Trigger for Text Table
- Momentary Trigger

3.8.4. Audit Trail and HTML Template

Audit Trail

The comment is stored into the Info2 field of the Tag Assign action of the Audit Trail. It is limited to 255 ANSI characters before its conversion in UTF8. A tooltip containing the content of Info2 is displayed when the user selects a row.



HTML Template

HTML Template was modified to support these new fields.

The comment in Info2 column is displayed as a new row below the current row, if the Info2 column is selected in the Audit Trail Profile, if it represents a Tag Assign action and if it contains a comment. The Info2 column still be displays for the other actions, but it is emptied for the Tag Assign actions.

Time	Action	User	Source Type	Station	Tag	Tag Value	Previous Tag Value	Info2
Tue Apr 15 18:08:46 CEST 2014	User login	user	Studio	-	-	0	0	-
Tue Apr 15 18:22:03 CEST 2014	Tag assign	user	Image	-	TAG1	456	0	
Comment: Comment on changing the value of the Tag TAG1 for test purpose.								
Tue Apr 15 18:24:19 CEST 2014	Tag assign	user	Image	-	TAG1	123	456	
Comment: Second comment on changing the value of the Tag TAG1 for test purpose.								
Tue Apr 15 18:27:17 CEST 2014	User login	user	Browser	-	-	0	0	-
Tue Apr 15 18:32:35 CEST 2014	Alarm definition creation	user	Studio	-	-	0	0	FAM2
Tue Apr 15 18:32:52 CEST 2014	Goto zone	user	Image	-	-	0	0	-
Tue Apr 15 18:37:14 CEST 2014	Tag assign	user	Image	-	TAG2	150	0	-
Tue Apr 15 18:37:16 CEST 2014	Tag assign	user	Image	-	TAG2	75	150	-
Tue Apr 15 18:37:18 CEST 2014	Tag assign	user	Image	-	TAG2	150	75	-
Tue Apr 15 18:37:19 CEST 2014	Tag assign	user	Image	-	TAG2	75	150	-
Tue Apr 15 18:39:21 CEST 2014	Acknowledge alarm	user	Studio	-	-	0	0	FAM2
Tue Apr 15 18:39:57 CEST 2014	Acknowledge alarm	user	Studio	-	-	0	0	FAM2
Tue Apr 15 18:45:39 CEST 2014	User login	user	Browser	-	-	0	0	-
Tue Apr 15 18:47:16 CEST 2014	User login	user	Browser	-	-	0	0	-
Tue Apr 15 18:53:53 CEST 2014	User login	user	Browser	-	-	0	0	-

3.9.List Viewer and Event Viewer

3.9.1. General

Event Viewer has replaced SignalR with Fleck's implementation of Web Sockets. A port in the firewall is required to be open: 8196 by default. This port is configurable in the application.

The existing List Viewer trigger will have the link changed from '/cmsvc' to '/ewp/App/ListViewer'
To facilitate the usage with the image the size of the List Viewer will be reduced. The following are changed:

- The header image removed/hidden

- The buttons reduced to show just an icon with a tooltip that displays the text. (Compare to Event Viewer).

Multistate tags can display the state text only without the numeric value (checkbox in the configuration dialog box). The heading filters filter on the text displayed; if the numeric values are hidden they cannot be used to filter the results.

The List Viewer and the Event Viewer user interface are available in English, German and French according to the language installation of the product.

3.9.2. Pagination

The List Viewer add the ability to show data in pages. The default option is to display 'All'. The number of lines is selectable from the page navigation bar in the grid.

- The options are: 100, 200, 500, 1000, 10000
- The default number of lines is 100.

3.9.3. Filters

The column filters are disabled when the List Viewer is fetching so that the user cannot continue to edit the fields (same for the configure button). This will avoid problem of loading.

The List Viewer already allows users to filter by the equivalent of a 'contains' filter. For example you can type PUMP in the filter box, the result will be:

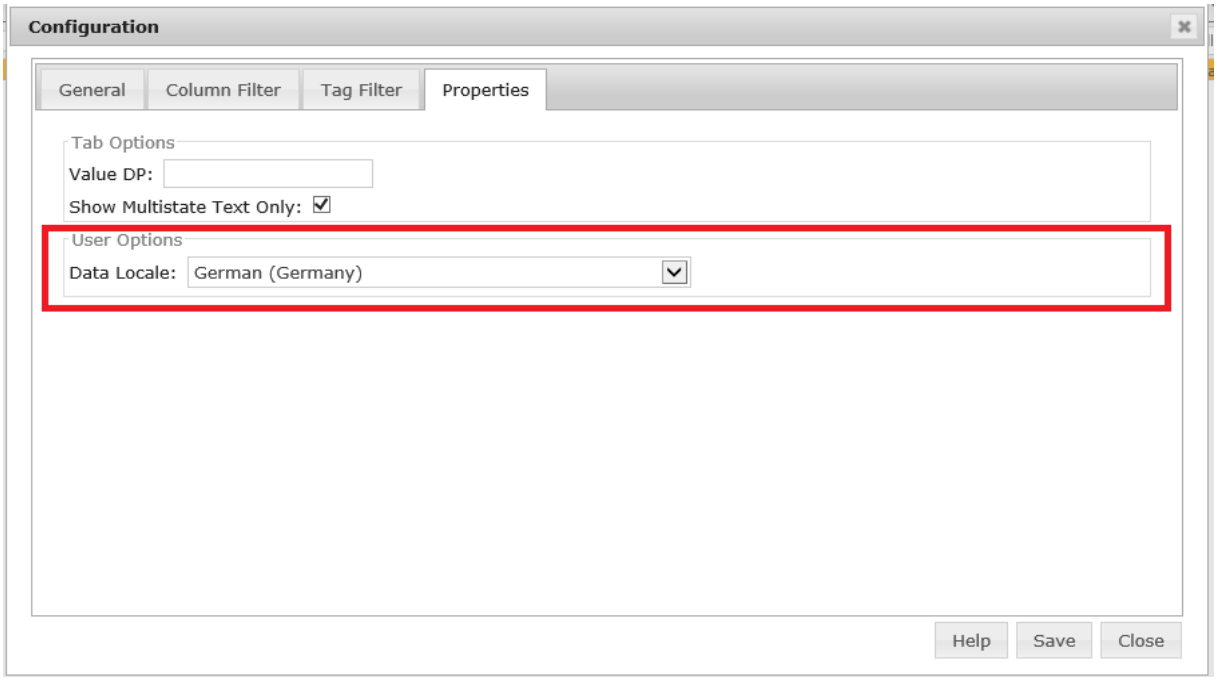
- Station01_ PUMP01_Speed
- Station34_ PUMP12_kWh
- PUMP_dummy

Also, allow the operators >, <, >= and <= to be used to filter numeric values. If column contains both numeric and text values display text values after the numeric values when these operators are used. If multistate – use the numeric value for comparison. This special 'numeric filter' will only be available for the field 'Value'.
Examples:

- > 5
- <= 7

3.9.4. Export CSV

A new property allow the operator to change the regional setting for the List Viewer.

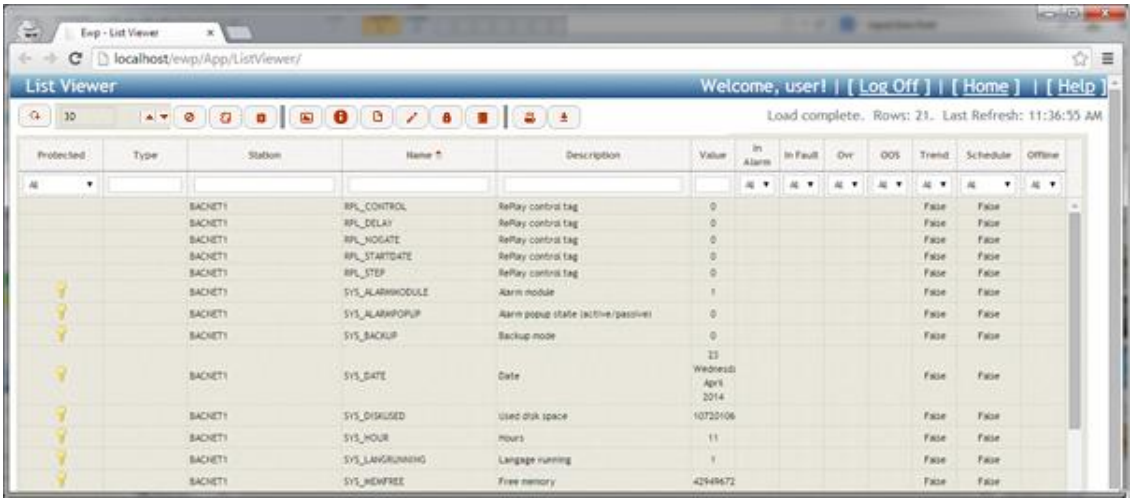


On German OS, when exporting in CSV, float values are exported with a comma to separate the decimal instead of point. The comma is also used for CSV separator.

The default value will be the locale of the machine running 'CMServiceHost' (the server locale).
The locale will be set once per user.

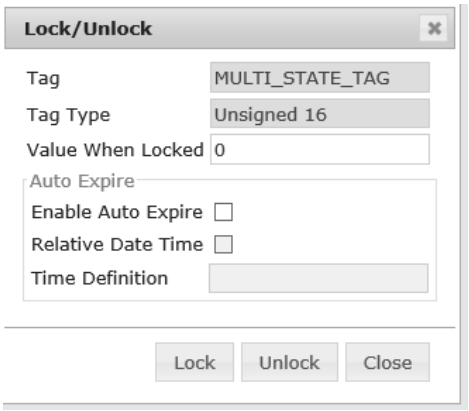
To accommodate the extra information the new 'Locked/Protected' column will exports its value as a comma separated list of the values Protected and Locked. Locked will include the expiry date in brackets. If the tag is neither protected or locked the field will be empty. Example:

```
Protected, Locked (06/05/2014 16:43:24)
```



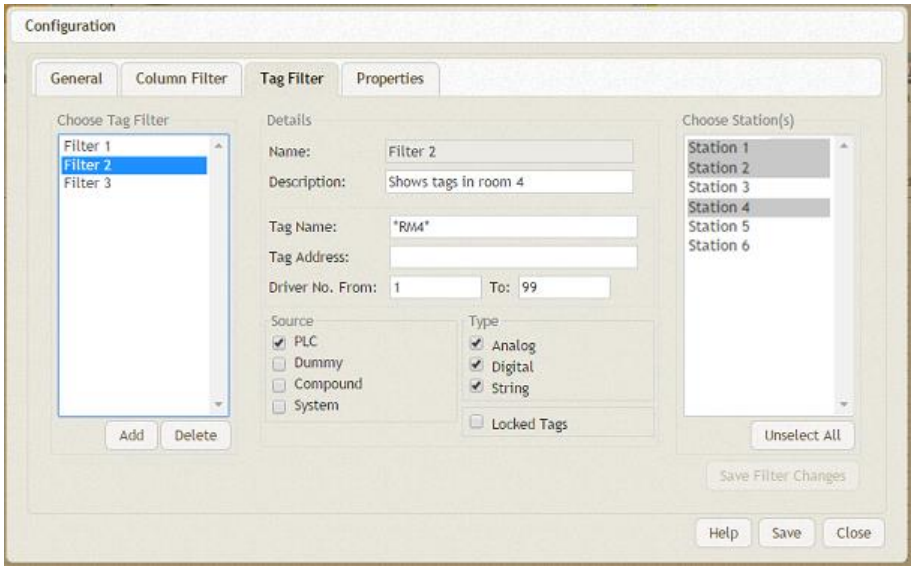
3.9.5. Lock: Possibility to lock tags

A new dialog allows setting locked value and an optional auto expire date-time as it is possible in the studio. If a tag is protected the user will not be able to lock.



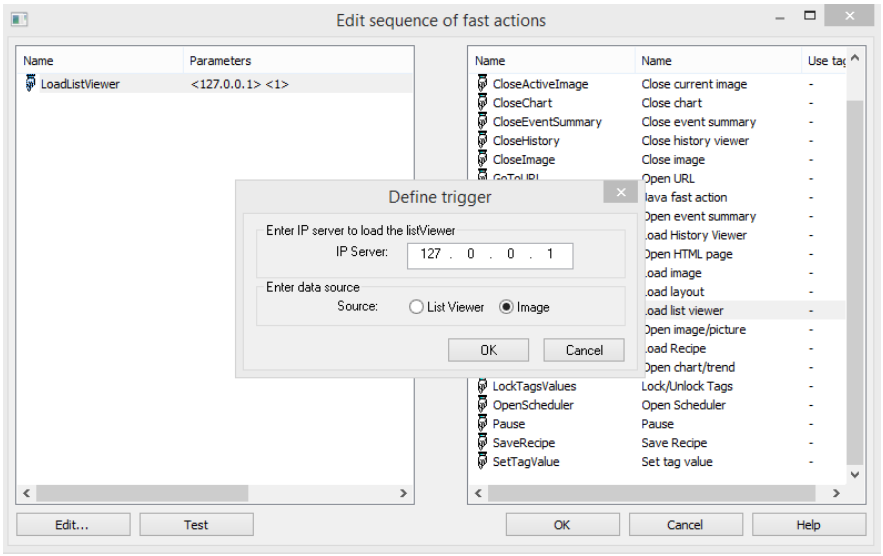
3.9.6. Tag Filter Editor

This allow users to add/edit or delete tag filters in web.



3.9.7. Replace Multiple Tag lock

This is the ability to open a List Viewer that displays the tags in the parent image (could replace the fast action “locktagvalue” in studio).



It is possible to open several times the window (it will open in different tab) and should not require login in the same browser.

The following options will be available. All other options will be disabled.

- Refresh
- Clear Search
- Column Filters (the column filters available via the grid)
- Add in CMTrends
- BACnet Object Viewer
- Tag Value
- History Viewer
- Print Preview
- Export
- Lock/Unlock tag

The following columns will be displayed:

- Protection displayed with a padlock icon in addition to the 'key' from the 'Protected' column
  - its tooltip shows the absolute expiration date/time or the word 'forever'
- Type
- Station
- Name
- Description
- Value
- In Alarm
- In Fault
- Ovr (override)
- OOS (out of service)
- Trend
- Schedule
- Offline

The following columns are not displayed:

- Locked Value
- Expiration Date
- Tag Address
- Driver N°

3.10. Enable VMWare through Soft licensing

Modern architectures now rely on virtual machines to operate. Virtual environments enable to avoid single points of failure. In these environments, it is a requirement not to rely on hardware points of

failure, the hardware protection dongle even if connected to network usb gateway is often considered as a problem for IT requirements.

For specific customers, the software license is available under specific licensing contract between End User and Elutions. The same options are used as for usb protection dongles.

Some constraints have been added to ControlMaestro:

1. Software License will only work on VMware, VirtualBox, Hyper V and ESXi.
2. If a software license is found, no usb dongle will be checked.

License files will be installed in the license folder:
C:\Program Files (x86)\Elutions\ControlMaestro\ControlMaestro\Bin\License

3.11. SQL

3.11.1. SQL cross reference table for tags history

A new table “VfiTagRef” is created into the SQL Server Tag History database (VfiTag), to store the list of the tags of the application, in order to ease the analysis of the records from the tag’s history tables. The “VfiTagRef” table will contains the following fields:

- Network ID of the tag
- Name of the tag
- Long Name of the tag
- Description
- Creation Date

This table will be automatically created and updated on a regular basis (30 mins). Each newly started station will erase the tag definitions which have a matching ID with the station ID. Only the most recent definition of the tags will be stored in the table.
If the application runs with split databases, the table is written into the current tag history database.

3.11.2. Automatic Backup

Possibility to choose target directory

- A new text zone is inserted into the “Automatic backup” region of the “Data Backup” tab of the “SQL Management Tools”.
- The given target directory is stored into the configuration files (VFISQL_Backup.dat and VFISQL_Backup_Alarm.dat)
- Data Restore tab: When restoring, the “From Automatic Backup” dropdown list is filled with the backup files found in this new directory configure in the “Data Backup” file.

- Limitation: The possibility of choosing the target directory of the automatic backup does not apply to Remote Server.

Database is now shrinked before backup to clean logs.

3.11.3. Possibility to import tags and alarms history in remote SQL Server architecture

To import on a remote server, a new standalone tool is available: VFIDataImporter.

On the remote SQLServer, copy:

1. history files to be imported.
2. provided VFIDataImporter tool with its configuration file (VFIDataImporter_Conf.ini) in the same folder.
3. connection string files (VFISQL_Config.dsn and VFISQL_Config_Alarm.dsn) in the folder where the vfi sql databases files (mdf and ldf files) will be stored.

It is recommended to stop ControlMaestro stations during that operation.

3.11.4. Split size configuration

In “SQL Server Setup” dialog box, for tags and alarms, a check box “Split database” and an edit box “Maximum preferred database size” will be added.

While checking a database for split, for server in SQL Express edition, “Split database” unchecked by the user and a maximum database size defined with a value greater than the SQL Server Express limit (2.8Gb or 7Gb depending on SQL Express version) will not be taken into account.

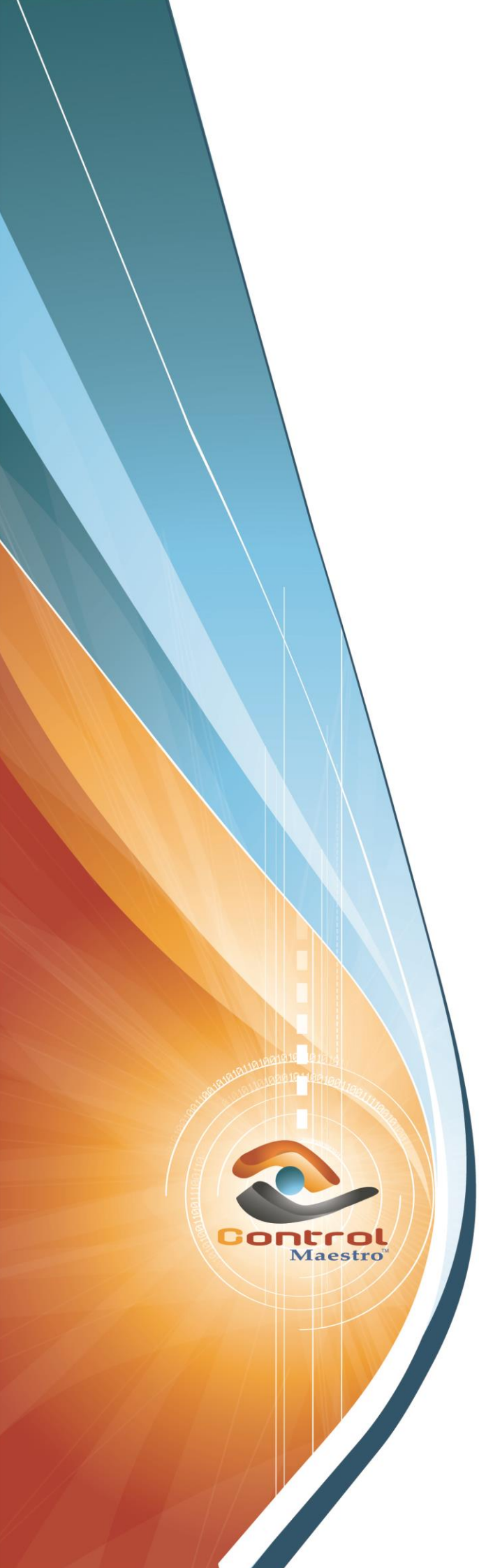
Smart Split on importing:

a. If old database already exists, ask the user if he want to continue (backup and delete all existing old databases)
b. Create a new database for each imported year.
   i. Based on already imported data for the given year, estimate regularly if all 365 days will fit in the split maximum size. If necessary, split per month/trimester/semester.
c. If the remote SQL Server is not an Express edition, ask the user if the split of database still needs to be performed while importing.

4. ControlMaestro Maintenance

ControlMaestro 2015 integrates all fixes from ControlMaestro 2013 update 14 plus the following additional list.

Ticket Number	Description
6609	Wrong data point value format in CSV export for charts
6578	Crashlog
6552	Alarm Trigger Assist + Ack : wrong behavior when trying to cancel ack action; alarm family is acked even if we click on the cross
6551	Tag are displayed as missing tag if we choose to display the ".Value" property
6550	Export CSV does not handle UTF8 char
6549	Allow to directly put the handler name when it is required to ack alarms
6547	In file CMnetUtils.js please exchange Function printHTML by Function PrintReport
6546	Any error message when program is down and we try to refresh EV
6543	Context list in action on alarm doesn't support UTF8
6540	Any loading message when we create a new EV
6538	Load failed if you select more than 10 Filters
6533	Event Viewer : lock strategy isn't respected
6522	Not possible to install CM if a newer HASP-Driver is already installed
6476	Using a wrong Webscheduler URL causes crash of CM
6455	Control Maestro crashes with Name longer than 15 characters in Fonts definition
6444	Crosshair with cm 2011 (patch 29 and higher) doesn't work like the previous version
6400	context can't be used in fastaction formula such as SetTagValue
6359	update remote station functionality do not manage zone navigator
5078	Dynamic Tooltip
4604	License.rtf file (bin folder) is not correct
4603	Html parameter <PARAM NAME=access VALUE="TRIGGERS_OFF"> not working with desktop.html
4583	Wrong path of IMG file when imported by ILS
4534	Desktop.html did not take care of path settings of "Docs\Pictures" folder
3149	"ZoneNavigator.xml" wasn't copied by "Network Applicaton Update"
2975	On Wizcon application; It should interesting to handle relative path instead of absolute path



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