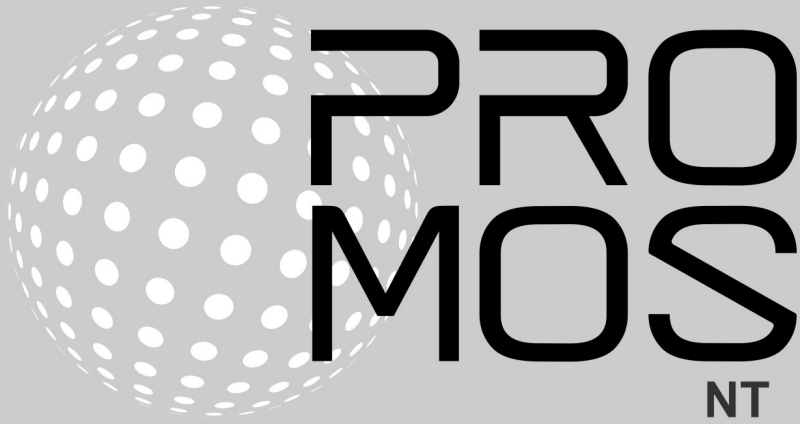


Update



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1 Introduction

Versions 2.22.110.5 to 2.22.110.8 contain mainly fixes and minor improvements.

2 Corrections

This chapter lists individual corrections and improvements.

2.1 Version 2.22.110.5

Version from 15 March 2022

AlmMng

- Automatic reconnection with the DMS/PDBS if the connection is ever lost

BACDriver

- Reading of the trend log buffer only if a confirmed or unconfirmed buffer readiness message is issued
- For weekly schedules with undefined time values the value 0 (zero) is also used for multi-state-value scheduler

pBackup

- Fix a crash if a file to be opened could not be found

pChart

- Correct timestamps are used when zooming the image
- Correct file creation during CSV export when exporting more than 1000 values at once

PET

- Non-existing alarm images are highlighted during alarm image selection to make it easier to replace them with existing images (e.g. if images have been renamed)

KNXDriver

- () in the DMS name are replaced by {}.
- A filter on KNX group names and DMS names is implemented in the table view

MQTTDriver

- Reconnection to DMS after connection loss and proper shutdown
- If the DMS is not yet reachable at startup, the connection is attempted until the DMS is reachable so that the configurations can be read

pWebAccess

- AlmViewer: image call via AlarmViewer improved (existing tab is taken)
- Problems with system load pWA fixed. Correction in GE2XML
- File monitoring optimized (caused high CPU load)
- Correction in view of historical data for long time ranges (e.g. 1 year with very much data)
- Correction in display of PCD times (time switches)
- Rotation of SVG icons corrected
- Watchdogs signals ("System:..." are re-registered as soon as they appear in the DMS)

2.2 Version 2.22.110.6

Version from 18 March 2022

PET

- Image assignment of alarms: Template column is filled in correctly

2.3 Version 2.22.110.7

Version from 27.04.2022

DMS

- Correction Rest-API: Transfer of NAN/INF
- Correction for very long DMS names in control functions
- Behavior with IMP control function after restart of the system corrected
- When compiling control functions some missing variables were not recognized
- Additional parameter for JsonSendInvalidDoubleAsNull in dms.cfg (default 0 - false)

GE

- For non-existing graphics (BMP, JPEG etc.) the initializations in the images are automatically deleted
- For layer names only characters "a-zA-Z0-9_" are allowed. If layer names with other characters are used, these must be adapted

IEC60870_5_104Driver

- Documentation taken over

KNXDriver

- Use of template objects

MailDriver

- New data format for Solvimus mails
- Correction for faulty mails (Solvimus)
- LUG CSV format: Timestamp (documentation adapted)

MalmCfg

- Problems with saving SMS settings (priority) fixed

MalmMng

- Processing of umlauts in SMS messages optimized

ModbusDriver

- Hiding TCP parameters for serial connections

pChart

- Correction for large data exports via EMail
- Log entries extended when sending E-mails

PET

- Object representations corrected if requested in JSON format from DMS
- CSV import improved (number of columns)

pFTP

- Logs corrected

pRestore

- Unnecessary error message eliminated

ProjectCfg

- Display licenses adjusted

pWA

- After system restart (without pWA) color changes were partly not displayed in pWA
- Automatic re-login after system restart (if pWA is not terminated)
- Display of trend data partly missing
- Visibility is handled identically as in GE, if DMS variable does not exist

TwinCatADSDriver

- Now also supports arrays

2.4 Version 2.22.110.8

Version from 13.05.2022

BacDriver

- Warning for manual input has been removed
- Attributes can be defined as COV (per property)

DMS

- Control functions with DMS name "System:xxx" are no longer checked during compilation, because they are partly added at runtime only

GE

- Language switching additionally implemented (for ProMoS NG compatibility)

pChart

- Names/descriptions with brackets were not displayed
- Date format (PCD) is taken over during export
- Library for EMail dispatch exchanged
- EMail password is encrypted

PrtFormat

- Logging STR format corrected

pWA

- XSS security hole corrected
- Selection list resized
- Language switching additionally implemented (for ProMoS NG compatibility)

TwinCatADSDriver

- VloBlockPrefix: functionality extended

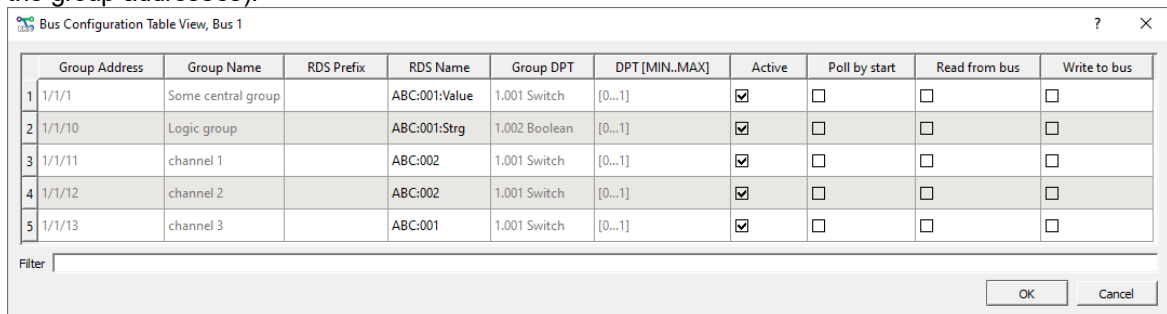
General

- For all drivers the automated update of templates was deactivated

3 Important changes and new functions

3.1 KNX driver

A DMS name can now be assigned per data point (up to now, the DMS was set up on the basis of the group addresses).



	Group Address	Group Name	RDS Prefix	RDS Name	Group DPT	DPT [MIN..MAX]	Active	Poll by start	Read from bus	Write to bus
1	1/1/1	Some central group		ABC:001:Value	1.001 Switch	[0...1]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	1/1/10	Logic group		ABC:001:Strg	1.002 Boolean	[0...1]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	1/1/11	channel 1		ABC:002	1.001 Switch	[0...1]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	1/1/12	channel 2		ABC:002	1.001 Switch	[0...1]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	1/1/13	channel 3		ABC:001	1.001 Switch	[0...1]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

This also allows to work with templates.

3.2 Other M-Bus devices

From the following manufacturers further data can be read out with the MBusDriver.

AMT - Aqua Metro - new profile

IMT - 3 new profiles

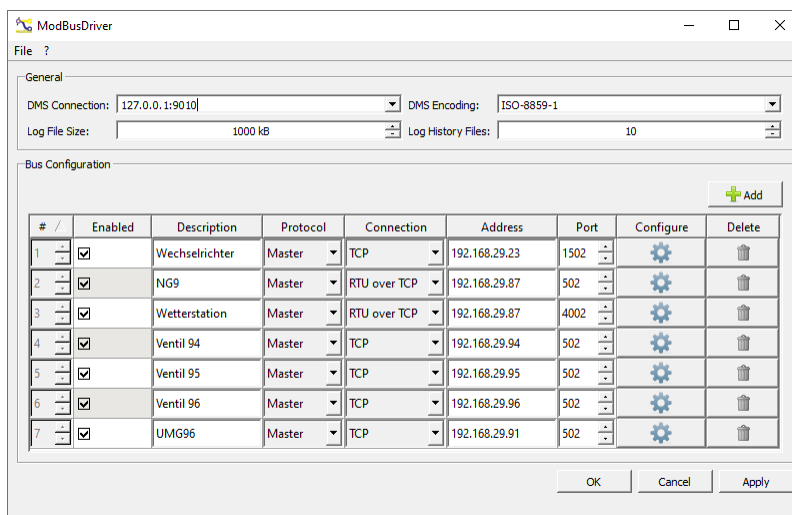
SON - Sontex new profile

TCH - Techem new profile

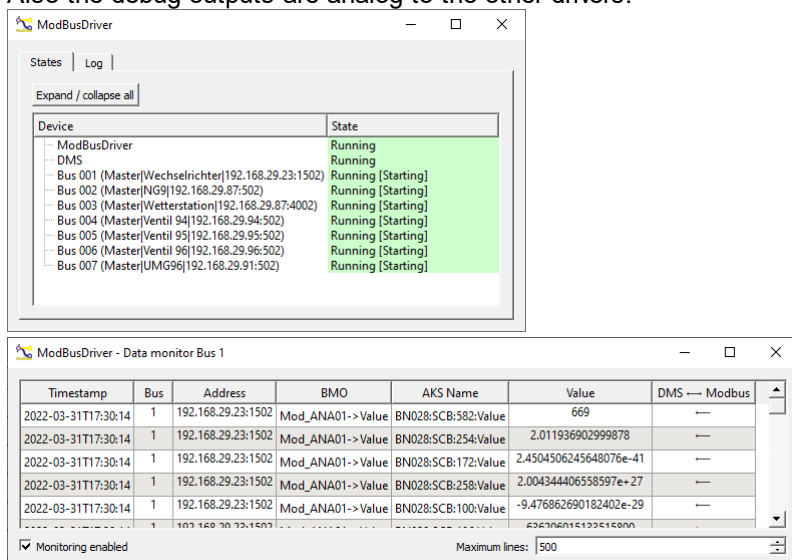
3.3 New Modbus driver

Info: The MDriver is replaced by the ModbusDriver. The operation is now analogous to the other existing drivers.

The main reason is that the driver can also be started headless (ProMoS NG - also executable under Linux).



Also the debug outputs are analog to the other drivers:



The ModbusDriver is already in the setup, because we have to test the new driver on various installations.

Please do **not** use the driver until MST has released it.

3.4 BACnet

By default, the BacDriver uses the identifications that are stored in the BACnet objects. However, there are more and more devices for which the address designations cannot be mutated. With older existing installations an adaptation is partly also not possible.

Therefore it is possible with the current version to implement a mapping, so that an adaptation of the BACnet DMS name is possible.

Objekt-Liste: Device-1998850		Einstellungen Filter	Einstellungen Scan	
Obj Name	Ty...	ID	DMS Device Reference	Bac_ Template
analog-input 0	0	0	BACnet:DEV50:TMP:AI0	Bac_analog-input
analog-input 1	0	1	BACnet:DEV50:TMP:AI1	Bac_analog-input
analog-input 2	0	2	BACnet:DEV50:TMP:AI2	Bac_analog-input
analog-value 0	2	0	BACnet:DEV50:SPT:AV0	Bac_analog-value
analog-value 1	2	1	BACnet:DEV50:SPT:AV1	Bac_analog-value
analog-value 2	2	2	BACnet:DEV50:SPT:AV2	Bac_analog-value
analog-value 3	2	3	BACnet:DEV50:SPT:AV3	Bac_analog-value
binary-value 0	5	0	BACnet:DEV50:STE:BV0	Bac_binary-value
binary-value 1	5	1	BACnet:DEV50:STE:BV1	Bac_binary-value
characterstring-value 1	40	1	BACnet:DEV50:TSP:CV1	Bac_characterstring-val...
characterstring-value 2	40	2	BACnet:DEV50:TSP:CV2	Bac_characterstring-val...
characterstring-value 3	40	3	BACnet:DEV50:TSP:CV3	Bac_characterstring-val...
device 1998850	8	1...	System:Driver:BacDriver:Device-1998850	BacDevice
multi-state-value 0	19	0	BACnet:DEV50:STE:MV0	Bac_multi-state-value
multi-state-value 1	19	1	BACnet:DEV50:STE:MV1	Bac_multi-state-value

For this purpose, the parameter "UseAKSMapping=1" must be set.

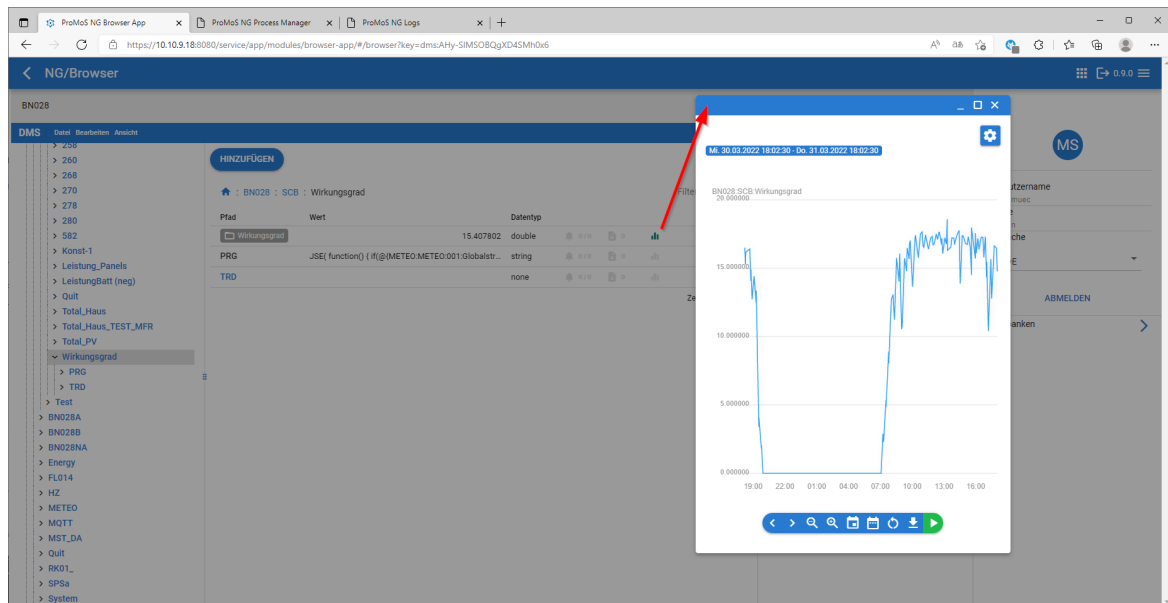
4 What's next for ProMoS?

The user interface of the DMS in ProMoS NG has been adapted:

Alarms and logs that are located below a DMS branch are now displayed directly. A click on the alarms, for example, opens the AlarmViewer:

The view can be configured freely (visibility of the columns as well as sequence).

A click on the trend symbol opens the display of the historical data (directly from the DMS):



The management of log files has also been completely re-implemented:

The screenshot shows the ProMoS NG Logs interface. At the top, there are tabs for 'Main App', 'ProMoS NG Process Manager', and 'ProMoS NG Logs'. Below the tabs, there is a header 'ProMoS NG - Logs' and a table with columns 'DMS', 'DMS_ManagerAlarm', 'DMS_ManagerChangelog', 'DMS_ManagerHistoricalData', and 'DMS_ProcessControlFunction'. The table displays a list of log entries with columns 'Timestamp', 'Level', and 'Message'. The messages include various warnings and errors related to data point existence and WebSocket connection resets.

DMS	DMS_ManagerAlarm	DMS_ManagerChangelog	DMS_ManagerHistoricalData	DMS_ProcessControlFunction	Timestamp	Level	Message
					2022-03-31T17:38:40.368+0200	warn	Login failed, no user name 'mst_mauc' found, for '' by ''
					2022-03-31T17:34:12.479+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T17:34:12.114+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T17:30:11.303+0200	error	WebSocketRequestHandler::handleRequest - NetException Connection reset by peer
					2022-03-31T17:17:11.892+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T17:17:11.880+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T17:00:13.170+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T17:00:12.106+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T16:51:12.413+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T16:51:11.957+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T16:34:12.420+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T16:34:11.887+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T16:00:12.895+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T16:00:10.978+0200	error	WebSocketRequestHandler::handleRequest - NetException Connection reset by peer
					2022-03-31T16:17:12.516+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T16:17:11.720+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T16:00:15.866+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T16:00:12.895+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T16:00:10.934+0200	error	WebSocketRequestHandler::handleRequest - NetException Connection reset by peer
					2022-03-31T16:51:12.699+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T16:51:11.989+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T16:34:12.407+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T16:34:11.747+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist
					2022-03-31T16:17:11.115+0200	warn	Portal3:Portal3 - Could not set value on 'BN028A:ALG:MasterUhr:002:MoOn': data point doesn't exist

All logs of a module are displayed together (selectable via tabs).

Other functions already implemented:

- Process monitoring (incl. restart in case of missing watchdog messages or crashes)
- New process manager (incl. configuration options, which processes should run)
- Possibility to start processes regularly (scheduler)
- All drivers (except BACDriver) modified for headless operation. So the drivers can also be used as services

Currently we are working on the new BACnetDriver. The BACnet attributes are displayed in lists and no longer in fixed process pictures (the values can still be visualized in pictures). But the setting of the BACnet parameters is much simplified.

Furthermore we are working on the web frontends for the driver configurations.

AND: ProMoS NG is still compatible to ProMoS NT (all main modules are completely reprogrammed).

5 Support

Support for ProMoS NT and Visi.Plus can be requested via the following channels:

Switzerland, Luxembourg, Belgium, France, Italy:

Email: support@mst.ch

Phone: +41 31 810 15 10

Germany, Netherlands, Austria, Scandinavia

Email: support@mst-solutions.de

Phone: +49 40 999 99 4210

Support > 15 minutes will be charged (project specific clarifications, training by phone, etc.) if it is not about ProMoS bugs or improvement suggestions.
Support packages can also be purchased.

Please ask for price list via info@mst.ch or info@mst-solutions.de.

Current information and registration for the newsletter can be found at www.promosnt.ch or promosnt.com (English).