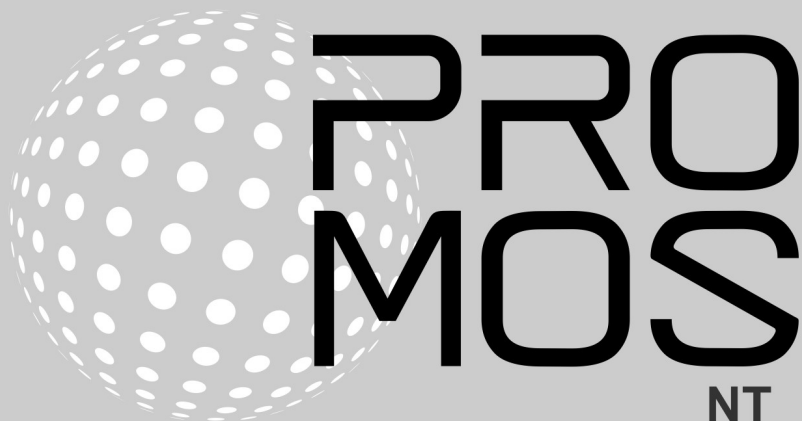


Update



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1 Introduction

In the following chapters corrections on the one hand and innovations and improvements on the other hand are described.

This description refers to version 2.1.109. Usually several versions are summarized, because intermediate versions are partly not published. This can have several reasons. For example not finished functions, which affect a work or simply not passed internal tests.

These descriptions are translated automatically (by machine). Therefore we would like to apologize for the inconvenience.

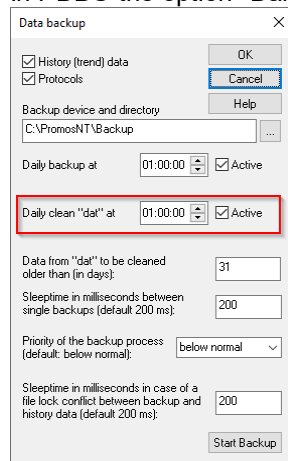
2 PDBS - Error

An error has crept into the April 2020 version. The change of the directory names and structures in the PDBS backup directory led to the fact that the current data in the \dat directory was no longer deleted (data older than 30 days). This caused that the data in \dat directory became bigger and bigger (unfortunately we could not detect it during testing, because we always start with new installations and new test data).

Therefore we recommend all users using version 2.0.106.24 or later to update it to 2.1 so that we can make sure that this bug is not unnoticed in installations. Hence the version jump from 2.0 to 2.1. We recommend the update for all 2.0.x installations.

With the buggy version no data will be lost, but the files will get bigger and bigger. This should not (yet) be a problem for existing installations (a test installation with data saved every second increased to 300 MByte per file after 6 months).

In PDBS the option "Daily cleanup 'dat' at" must be activated (under "Settings" - "Data backup"):



"Cleanup" will reorganize the data properly (may take a few hours, process should not be interrupted). During the reorganization, ProMoS NT can be operated normally (CPU and disk load go up).

Note: The update is free for all customers with version 2.0.

3 Corrections

This chapter lists individual corrections and improvements.

3.1 Version 2.1.109.3

Version from February 7, 2021

DMS

- Long texts (strings) can now be stored (was only possible up to max. 1024 characters). Now a string can be up to 30 kBytes.

GE

- Update problems with the display of polygons fixed. Images have to be resaved for the corrections to be made (automatically).
- Global macros take over PAR_IN, PAR_OUT and PAR_DATA (code generation).

pChart

- Crash on TCP connection interruption (e.g. Ethernet cable unplugged) fixed.
- Incomplete CSV export for daily values corrected.
- License monitoring for pChart eliminated.
- Decimal places can be set separately for each line.

PET

- Correction in filter settings when switching tabs.
- The filter change now works for all tabs (also analog/digital).

pWA

- Crash message when exiting the pWA could occur in certain constellations.

3.2 Version 2.1.109.2

Version from 22 January 2021

PET

- No display of SAIA PG5 menu if PG5 is not installed.
- Setting of auxiliary resources at PG5 function generator are displayed again.
- Adjustments in the display of the tabs (depending on the configuration in the pet file).
- Compiling of routing functions before code generation can be activated.
- PG5 data import: option to eliminate import of "unnecessary" data points.
- Assigned names of PLCs can be edited and adjusted.

pUser

- Codes for temporary users corrected.
- Corrections to the popup menu (right mouse button).

SetDMSVal

- Registration DMS improved (internal).

3.3 Version 2.1.109.1

Version from 10 December 2020

AlmView

- Crash at print preview corrected.

BACDriver

- If a device "read property multiple" is not fully supported, the properties are either read in smaller telegrams or only one at a time.
- The "commandable object flag" is also read in scan mode.

DMS

- Corrections in demo licenses and driver selection (related to separation to SAIA-PG5).
- RAM memory support increased from 2 GB to 3 GB.
- NEW: New data point "System:DateTime" with current Unix timestamp.

GE

- Removed unnecessary log entries to speed up screen changes.
- Crash when loading macros eliminated.
- Corrected position when loading global macros for links and link boxes.
- Selective saving of selected objects in macros.
- Names are additionally stored in the macros.
- Input of parameters by double-click improved.
- Catalogs are automatically updated when new VLOs are imported.

Logger

- Trigger function corrected. No more unwanted entries.
- Multiple log functions via the same trigger are now possible.
- Log path is taken from configuration file in DMS.

oList

- Crash at print preview corrected.

pChart

- Error in CSV export corrected (winter/summer time changeover).

PET

- Menus tidied up a bit
- Crash at print preview corrected.
- Possibility to rename the tabs eliminated (because at the next start the original texts are in there again).
- Column TCP/IP on and off corrected. The column is only used internally and will be eliminated in the future.

pList

- Crash at print preview corrected.
- Internal logout at DMS corrected. Could cause crashes when Ethernet cable is unplugged.

ProjectCfg

- Crash on about-dialog fixed.

MBus driver

- Other device support:

- KAM (Kamstrup Energie A/S)
- GWF (Gas- u. Wassermessfabrik Luzern)
- DFS (Danfoss A/S)

4 Important changes and new functions

The following chapters describe the most important changes and new functions.

4.1 pBackup deletes old versions

The parameter "/DELOLD" deletes all existing backups from the selected project after the backup has been created. This can prevent too much unnecessary disk space from being wasted.

4.2 pBackup Suppress backup

No backup of directories starting with a dot. This is needed when working with the source code management GIT.

Example:

```
C:\promosnt\proj\MyProject\.Github
```

4.3 Resource allocation PG5

In SAIA PG5 development environment, when creating a PLC from PET, the data block addresses are now automatically matched to usable data block addresses. Used when generating code from PG5 code.

Media Allocation and Dynamic Addressing	
Last Timer	49
Timer Timebase in milliseconds (10..10000)	100
Has Volatile Flags	No
Last Volatile Flag	1499
Dynamic Volatile Flags	1000; 1499
Dynamic Nonvolatile Flags	2000; 8191
Dynamic Timers	10; 49
Dynamic Counters	1000; 1599
Dynamic Registers	2000; 8191
Dynamic Texts	3000; 3499
Dynamic Data Blocks	4000; 4999
Dynamic RAM Texts	5000; 6599
Dynamic RAM Data Blocks	6600; 8191
Advanced Options	
Dynamic addressing enabled	Yes

The default setting is "3500;3999", which leads to problems and until now always had to be adjusted manually.

4.4 MailDriver

Extension with further EMail formats, which are recognized automatically: ebIX VSE.

This is the standardized data exchange, according to the document of the "Verband Schweizerischer Elektrizitätsunternehmen VSE".


The mail driver supports meanwhile 20 different mail formats. The driver is used when data has to be taken over from other systems (e.g. load profile data from the energy supplier).

4.5 AutoInsert

If logic blocks are inserted in the GE (e.g. AND02, OR02 etc), the logic templates can be extended with the AUTOINSERT tag. This leads to the fact that when inserting in the GE no more DMS names must be assigned, if the object is "dropped" on an existing VLO (e.g. motor). Then the DMS name is automatically taken based on the DMS name of its carrier.

Example:

```
[AND04]
Header=\tCFB\tAND04\t; 4-fach AND Verknüpfung
1=E0
2=E0_Logik
3=E1
4=E1_Logik
5=E2
6=E2_Logik
7=E3
8=E3_Logik
9=Hand_Mel
10=Hand_Output
11=Hand_Soft
12=Output
13=Output_Logik
INCLUDE=
AUTOINSERT=1
```









The new VLO setups will already include the definition. For custom templates, the addition can be added manually (ideally in the global templates under C:\{InstallDir}\cfg\pcd\gen).

4.6 TwinCat-Driver(ADS)

Analogous to the PCDDriver, the TwinCatADSDriver can now also write start values from the DMS to the PLC.

The setting is made via the configuration:

#	Enabled	Comment	Connection	Parameters	First DMS Data to SPS	ConfigFile	Select	Configure	Remove
1	<input type="checkbox"/>	TC2 Tom	TcpClk	10.6.42.17:48898	<input type="checkbox"/>	xstrasse101_Tom.tpy			
2	<input type="checkbox"/>	TC2 Test	TcpClk	10.6.42.17:48898	<input checked="" type="checkbox"/>	dturmstrasse101.tpy			

The option "First DMS Data to PLC" must be activated.

5 What's next for ProMoS?

Many customers have asked us what the future holds for ProMoS (withdrawal of SAIA).

We can only repeat: **It will go on!**

There are currently 8 developers working almost exclusively on ProMoS. In addition, 3 developers are working on the EDL portal. We have doubled the development capacity for ProMoS in the last few months.

We are developing a completely new product: **ProMoS NG**

- Compatible with ProMoS NT (existing ProMoS NT projects can be imported).
- Web-based, device-sensitive (from cell phones to large screens).
- Full integration with EDL portal (but can also be used stand-alone).
- Based on micro-services with web service interfaces (ProMoS NT were already single services).
- Separation between process and configuration data.
- Operation via web (also engineering). Existing modules like PET, pList, GE etc. can still be used for projects.
- New VLO libraries for Structured Text (incl. code generators for SAIA QronoX, Beckhoff, Wago, Logicals).
- Runs on Raspberry Pi, on Linux and as Windows services (in cloud e.g. as Docker instance). Distribution over many instances so that projects with 1'000'000 physical data points can also be mapped.
- New driver model (communication via API interfaces). The first driver to be developed is the BACnet driver (incl. attribute viewer).

New and existing ProMoS NT modules can be used together. First plants are already running with the new DMS incl. integrated script language (ECMA, JavaScript) and all existing control functions. The successor of PDBS is also already running (faster, safer, time resolution in ms).

A new BACnet driver is already in the test phase. The existing one will also be extended by an API interface, so that the BACnet attributes can be configured reasonably (incl. timers and calendar).

News will be published continuously on promosnt.ch or promosnt.com (english).

6 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 and news letter via info@mst.ch or info@mst-solutions.de.

Current information can be found at www.promosnt.com.