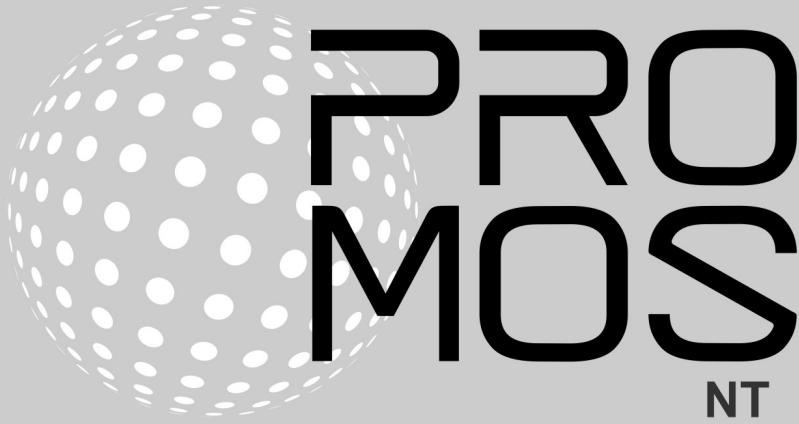


Update



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1 Introduction

The following chapters describe corrections on the one hand and new features and improvements on the other.

This description refers to the version 2.0.108. Normally several versions are combined, because intermediate versions are sometimes not published. This can have several reasons. For example, unfinished functions that influence a work or simply internal tests that have not been passed.

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

2 Corrections

This chapter lists individual corrections and improvements.

2.1 Version 2.0.108.2

Version of October 30, 2010

BACDriver

- When importing grouped VLO/BMO the `_Enabled` flag is set correctly
- If NotificationClass (NC) Alarming is deactivated, the NC references are deleted (also BMO)
- At startup, the data point `_schedType` is no longer overwritten in the Sheduler

DMS

- The control functions ADT/SUT/EQT/RSF/IMP/DLY/CNT are no longer executed during manual execution (leads to wrong functions during execution, e.g. setpoint adjustment, if a + and - switch is used)

GE

- Crash when canceling links
- Delete links secures/deletes PAR_IN optimized. Fixed display problems
- Fixed error when loading global macros for links and linkboxes (display error)

PET

- Fixed error in tab display (analog/digital data points)

MBusDriver

- New configuration for KAM meters

pWebAccess

- Peak display in trend curves corrected (the average value of a pixel was displayed. The effective values are now displayed).

2.2 Version 2.0.108.1

Version of 1 October 2020

General (in DLL's)

- You can now also start .lnk files.
- Error in incorrect time formatting fixed. Could lead to a crash in rare cases.

AlmMng

- When setting the DMS data points "System:Prog:ALM:UpdateDMS" the alarm manager re-reads the configuration of the alarms.

AlmView

- Image jump correction

BACDriver

- Optimization Readout Device Status.
- LimitEnable sometimes led to false alarms at system startup.
- Correction when initializing the APDU (incorrect segmentation).

DMS

- Default setting of the data point "System:NT:Disk:Drive C:Free" corrected. This automatically triggers an alarm if less than 10% disk space is available. Also applies to any existing drive D:
- Type conversion implemented for BIT control function
- Export correction for the subtree (if the first part of the DMS name is identical).
- DMS-function DLY (remaining time was not displayed correctly).
- pChart-License: The number of connections is no longer checked (new license model).

GE

- Catalog is automatically saved when icon is customized in the catalog.
- Unnecessary message about project path eliminated when saving.
- Improved rotation of multiple transparent icons.
- Rotated transparent icons are now displayed correctly.
- Project display in the settings corrected.
- Menu layout adjusted.
- Correction catalog import/export.
- Polyline can be moved with the keyboard.
- Correction in SVG display.
- Links and linkboxes revised. Objects that are inserted in the linkboxes view are not displayed in the main view.
- Correction when deleting linkboxes.
- Reading of images optimized (performance).
- When switching from runtime mode to edit mode, the attribute window is displayed if it was active before switching.
- Object parameters initialization dialog appears only if some parameters are needed to be initialized (O., I., F. or F._Null).
- Printing of the form works correctly.

HDAMng

- When setting the data point "System:Prog:HDA:UpdateDMS" the configuration is read in again.

MailDriver

- Single-digit dates are also accepted (without leading zero).
- Meteo Schweiz has adapted the CSV format of weather data.
- Format 102 for MSCONS is now supported.

MBus driver

- Correction for negative values in EMH meters.
- SOC counter extended
- New meters: ACE, DME, HYD, AWC, SOC and BEC.
- Prevent spinbox changes on mouse wheel

MDriver (Modbus)

- Now also supports unsigned data types (WOU and DWU).

pBackup

- Error message if too little memory is available.

pChart

- Tab order in the configuration dialogs adapted.
- Number of decimal places in scaling and legend can be set.

PDBS

- The maintenance alarms are no longer necessarily considered in the alarm counter (can be configured).
- Automatic conversion of the backup formats into the new format.

PET

- Splash screen optimized (filter selection does not occur before splash screen).
- Menu extended to call oList (list views). User management can now be called directly from the PET.
- Malm (remote alarm) can now only be defined if an alarm is stored on the data point.

ProMoS start-up program

- The start parameters are now taken from a configuration file and no longer from the Windows registry. This reduces the problems with reduced Windows rights.

pRestore

- Problem with Unicode in Zip archive fixed.

PrtMng

- Updates the log information automatically when the data point "System:Prog:PRT:UpdateDMS" is set.

pWA - pWebAccess

- Unnecessary logbook entries removed
- New start screen
- DMS filter improved in AlmViewer.
- Display of floating point numbers optimized.
- Generally the logbook entries have been improved when converting to web format.

SDriver

- Corrected incorrect data at startup (for negative values).
Remark: The SDriver is based on the SAIA SCOM DLL. Will not be supported in the future.
Successor: PCDDriver.

SetDMSVal

- Extension of the internal communication to JSON/REST.

SNMP driver

- Improvements of the connection setup after interruptions.

3 Important changes and new functions

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

3.1 Configuration removed from Windows Registry

When installing ProMoS NT via AlwaysUp (<https://www.coretechnologies.com/products/AlwaysUp/>) the managers and drivers can run as Windows® services. As a service they have no user, which means that the user-specific information in the registry cannot be read out. For databases, managers and drivers the configurations were moved to local files.

3.2 Storage of historical data

The historical data was stored up to and including in the monthly directories as the backup time was set. This means, for example, on April 1, the data was not stored in the new directory until 3 a.m. The data until 3 o'clock were still stored in March.

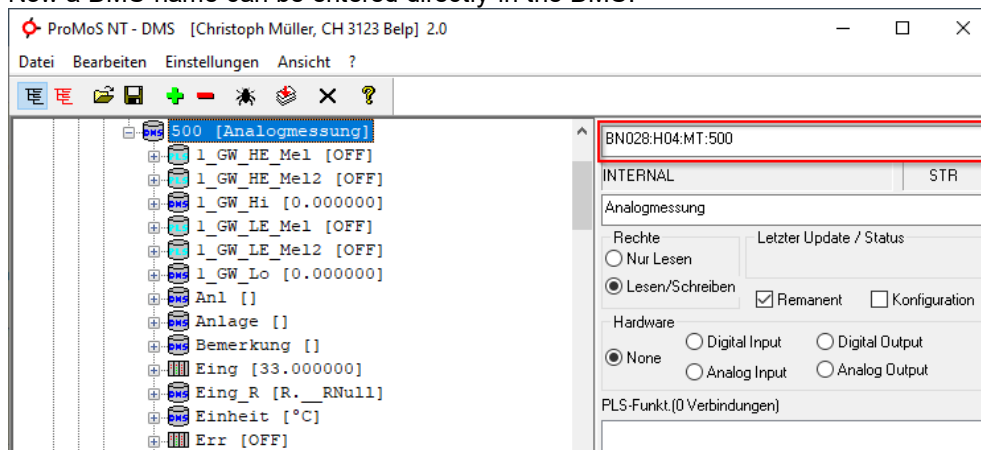
Due to the introduction of the possibility to insert older historical data retrospectively, the monthly filings had to be made exactly at midnight.

When the PDBS is started, all data is automatically reorganized, which can take several hours depending on the amount of data (process runs in the background - new historical data is still continuously collected). This can increase CPU and disk usage during the reorganization time. With several CPU cores, a delay in processing is hardly noticeable. With single-core installations there may be slight limitations.

The directories are renamed to HDADATA_YYYYMM (YYYY = year, MM = month).

3.3 Search in DMS

Now a DMS name can be entered directly in the DMS:



The datapoint name can also be copied into the field with Cut&Paste.

3.4 Delimiter DMS Names

In the file `delimiter.cfg` it can be specified with which characters the colon can be replaced in the DMS. Now you can also specify which levels of the DMS name should be displayed.

Configuration:

```
[Delimiter]
1=!
2=?
3=;
```

```
[Display]
1=No
2=Yes
3=Yes
```

In the [Display] area, you can specify which part of the DMS name is to be displayed and which is to be hidden.

Correct values: `false/true`, `off/on`, `0/1`, `no/yes` and not case-sensitive (i.e. `False/FALSE/fAlSe` allowed).

3.5 Extension JSON interface

Historical data can now also be written via the JSON interface in the DMS. It is also possible to delete historical data.

Example:

```
{
  "whois": "DriverXY",
  "user": "",
  "set": [
    {
      "path": "EXMPL1:T11:MN:003:Vis:VMC_energy1",
      "histData": [
        {
          "2015-04-03T04:33:20,000+02:00": 0.32780084013938906
        },
        {
          "2015-04-03T04:35:00,000+02:00": 0.7427386045455933
        },
        {
          "2015-04-03T04:36:40,000+02:00": 0.9577777981758118
        },
        {
          "stamp": "2015-04-03T04:37:00,000+02:00",
          "value": 0.5,
          "state": "inv"
        },
        {
          "2015-04-03T04:38:20,000+02:00": 0.846666693687439
        },
        {
          "2015-04-03T04:40:00,000+02:00": 0.7355555295944214
        }
      ]
    }
  ]
}
```

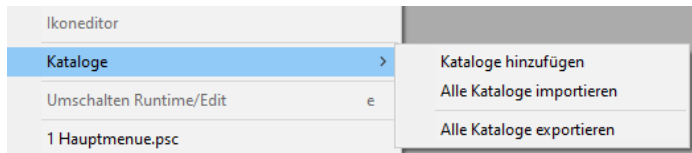


```
}
```

Detailed information can be found in the API description.

3.6 GE - Catalog Import and Export

The catalogs can be exported (definition file). This file can be used to easily import the catalog again if something has been changed to the templates.



The catalogs are stored in catdef files during export. The individual catalog entries are defined in these files.

The following information is stored behind the consecutive number:

Parameter 1: Library name

Parameter 2: Template object (.plb)

Parameter 3: Bitmap to be displayed in the catalog

Parameter 4: Text below the icon

Example:

```
[InitInfo]
Dir_mac={ACTPROJDIR}\mac
Dir_icon={ACTPROJDIR}\mac\Bilder_Katalog
[CatalogInfo]
1=AND02;AND02.plb;AND02.bmp;AND02
2=AND02;AND02_E0_On_Off.plb;_E0_On_Off.bmp;_E0_On_Off
3=AND02;AND02_E1_On_Off.plb;_E1_On_Off.bmp;_E1_On_Off
4=AVG01;AVG01.plb;AVG01.bmp;AVG01
5=Diverses BN028;;Links.bmp;Links
6=mel01 melder;;MEL01_Lang.bmp;MEL01_Lang
7=mel01 melder;;MEL01_schalter.bmp;MEL01_schalter
8=mel01 melder;;MEL01_LED_Stoerung.bmp;MEL01_LED_Stoerung
9=mel01 melder;MEL01_dp.plb;MEL01_dp.bmp;MEL01_dp
...
```

When importing, the catalog is reassembled based on the catdef file.

You can also import individual template objects into catalogs (Add Catalogs).

3.7 GE - Automatic DMS name assignment

Auxiliary equipment such as control loops, AND and OR links, limit value monitoring etc. can now be inserted during insertion without having to assign a strain gage name.

For this purpose, a file named AutoInsert.cfg must exist in the directory C:\<InstallDir>\cfg\pcd.

The file is structured as follows:

```
[Default]
DMS=%DMSBASE[-2]:Logic:%BMO:%NUMBER
```

```
[BMO]
AND02=TRUE
AND04=TRUE
AVG01=TRUE
ORH02=TRUE
ORH04=TRUE
CMP13=TRUE
PID31=TRUE
PID32=TRUE
SPS01=TRUE
MEL01=TRUE
```

In the area [BMO], all template objects must be listed whose DMS names are to be generated automatically during insertion.

When inserting, the object must be placed on an existing object (e.g. pump). If the auxiliary equipment is placed on an open area, a strain gage name is still requested (or the selection is displayed with the option of generating an equipment).

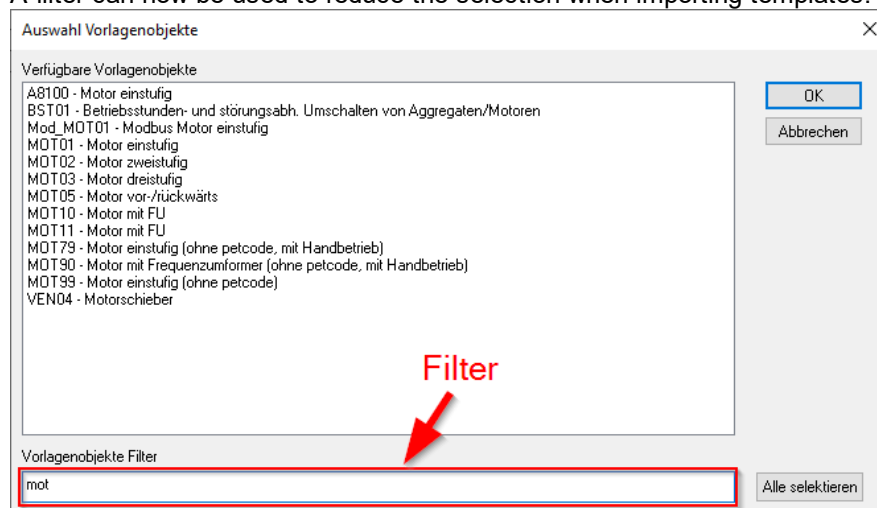
Auxiliary resources are stored in the DMS at the level of the existing object under "...:Logic:resource name:number".

3.8 SNMP-Driver

Configurations can be imported directly into the driver as CSV files. This makes it possible to configure lists more easily, for example in Excel.

3.9 PET - Import filter for template import

A filter can now be used to reduce the selection when importing templates.



4 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.), unless the problem is a ProMoS error or a suggestion for improvement.

Support packages can also be purchased.

Please request a price list and news letter from info@mst.ch or info@mst-solutions.de

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