

PM-CONTROL What is new in V12.2

Process Management System WinCC Add-ons



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UNICODE



Controls for WinCC Unified



Parameters relevant for Signature



XML Import/Export of Recipes via Script





Changing Recipe states via Script



Reason for Change when saving Recipes/Products



Extended Disposition List



MQTT Station





New Function Blocks for Calculations and Aggregations



Drag & Drop



Search & Replace

New Controls for WinCC Unified

Visibility and editability of pages in Recipe System





New control for WinCC Unified: "OrderView"



New features in WinCC Unified control "RecipeEdit"



Recipe copy upon release



XML export upon Recipe release





Extended regular expressions for job header validation



Support of new SCADA system and operating system versions

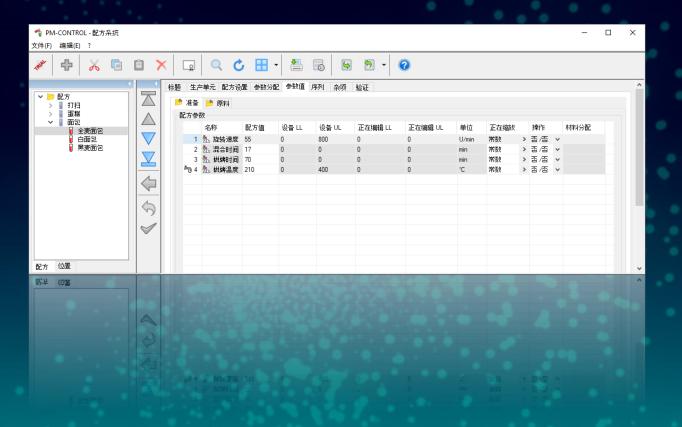


Automatic Backups

New in Version 12.0 UNICODE

All parts of PM-CONTROL (including PM-SERVER) support UNICODE encoding.

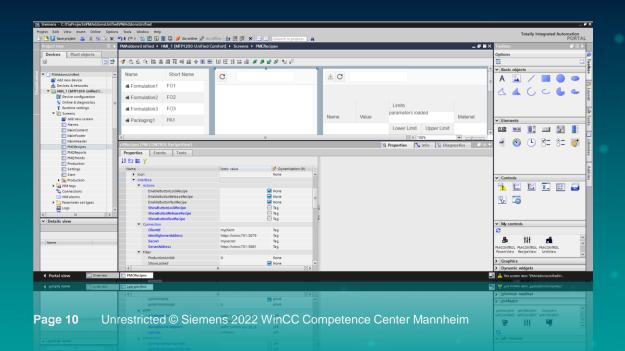
It is now possible to change the language independently of the Windows setting "Locale for non-UNICODE applications".

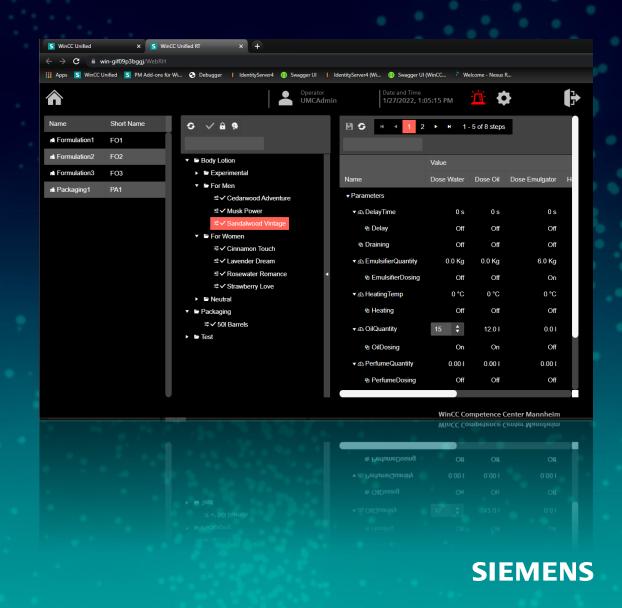


New in Version 12.0 Controls for WinCC Unified

For WinCC Unified there are new UI controls:

- For Selection of a Production Unit
- For Selection of a Recipe
- For displaying and editing Parameters of a Recipe

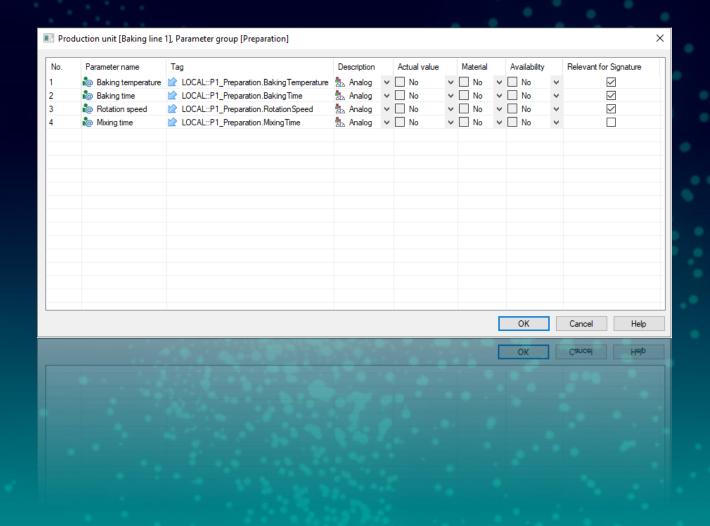




New in Version 12.0 Parameters relevant for Signature

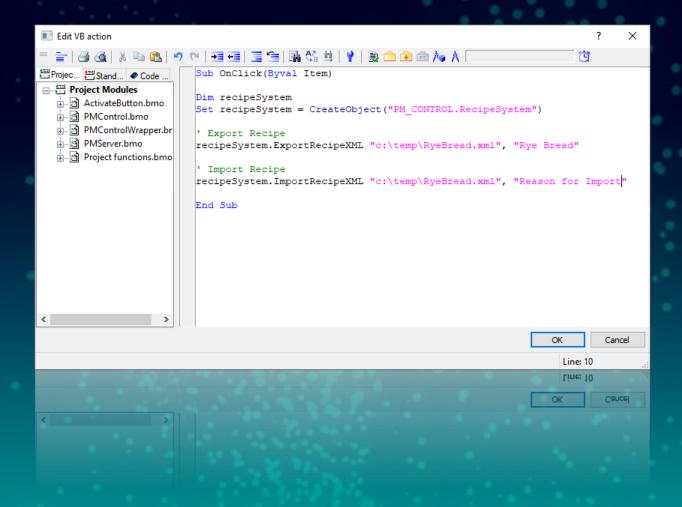
In PM-CONTROL Topology Parameters can be marked as relevant for Signature.

When editing Recipes only marked Parameters will have an effect on the Parameter Values Signature of the Recipe.



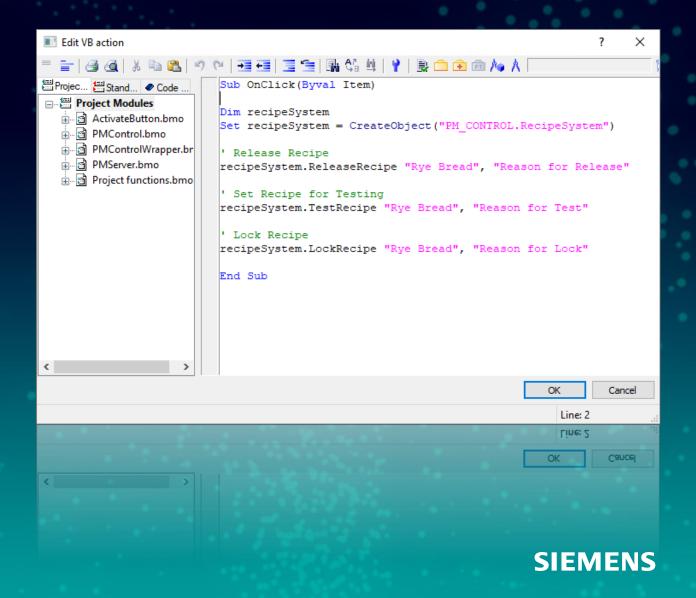
New in Version 12.0 XML Import/Export of Recipes via Script

It is possible to import and export Recipes via script e.g. with VBS.



New in Version 12.0 Changing Recipe states via Script

The state of a Recipe can now be changed via script.



New in Version 12.0 Reason for Change when saving Recipes/Products

Number

Reason for Change

Please supply the reason for change New improved formula!

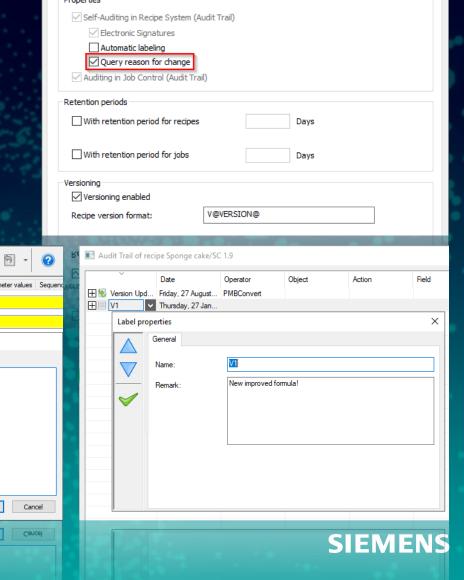
OK

Sponge cake Sponge mixture Test

Yeast dough

A reason for change can be queried when releasing a Recipe/Product ("Versioning enabled") or every time a Recipe/Product is saved ("Automatic labeling").

The reason for change is displayed in the Audit Trail.



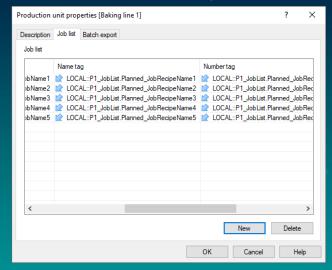
Plant properties

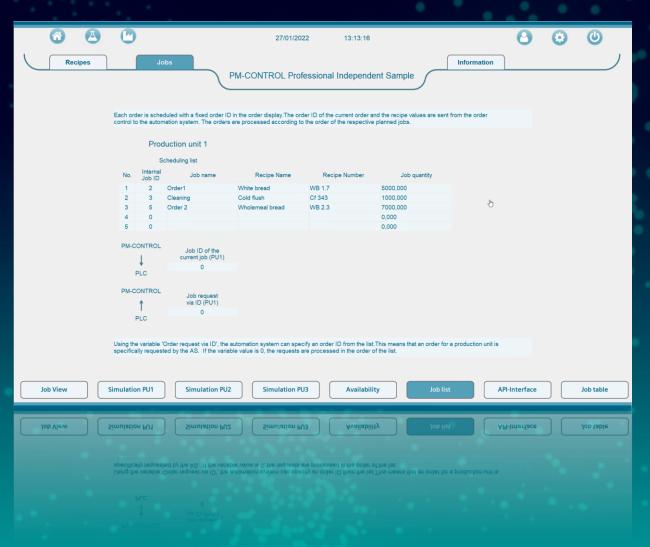
Description Properties FDA options Time and date format

New in Version 12.0 **Extended Disposition List**

Columns in the disposition list:

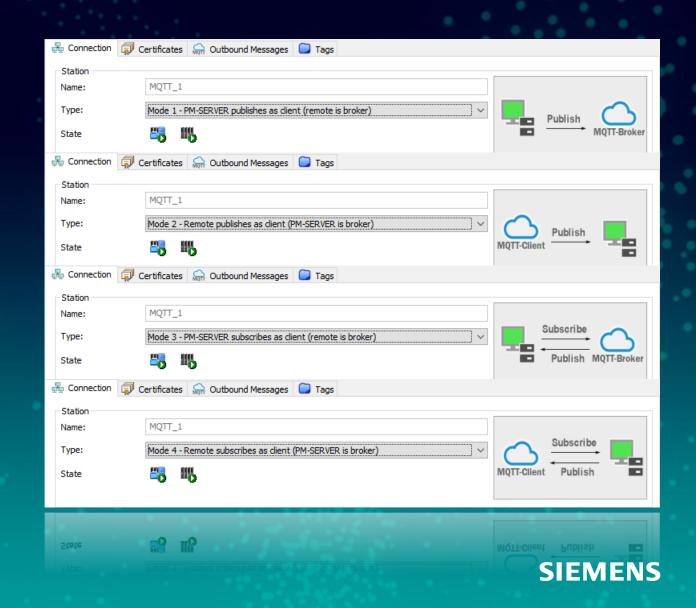
- Job-ID
- Job-Name
- New: Name (Recipe/Product-Name)
- New: Number (Recipe-/Product-Number)
- **New: Job Quantity**



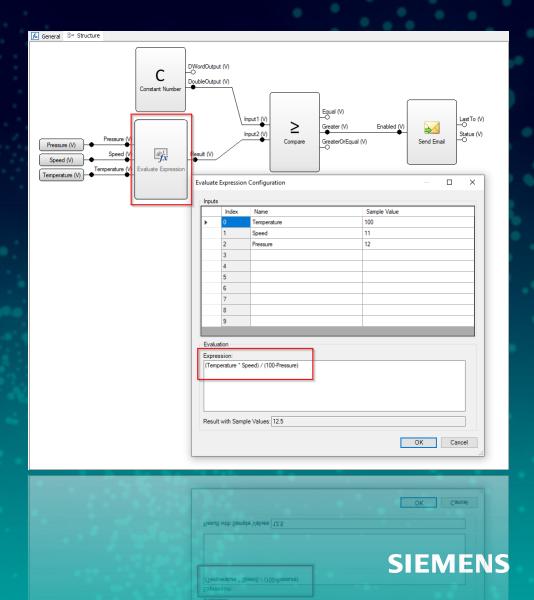


New in Version 12.0 MQTT Station

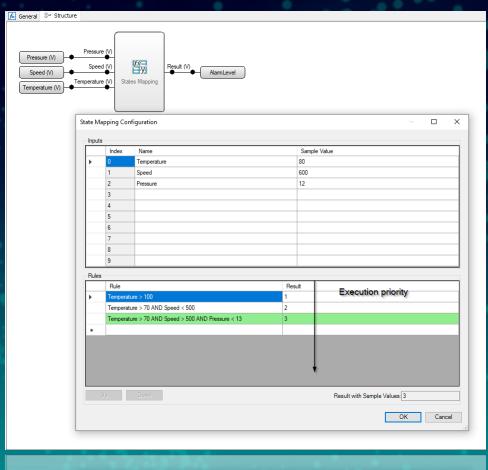
- New MQTT Station type with support for
 - MQTT 3.1, MQTT 3.1.1 and MQTT 5
 - SSL 2 and 3
 - TLS 1.0, 1.1 and 1.2
- All four possible operating modes supported
 - PM-SERVER publishes as client (remote is broker)
 - Remote publishes as Client (PM-SERVER is broker)
 - PM-SERVER subscribes as client (remote is broker)
 - Remote subscribes as client (PM-SERVER is broker)



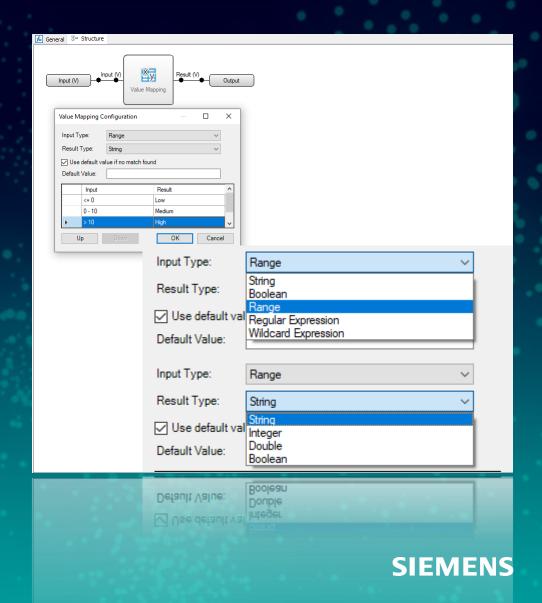
- "Evaluate Expression" function block
 - Evaluates arbitrary numerical expression for up 10 inputs
 - In place evaluation with sample values



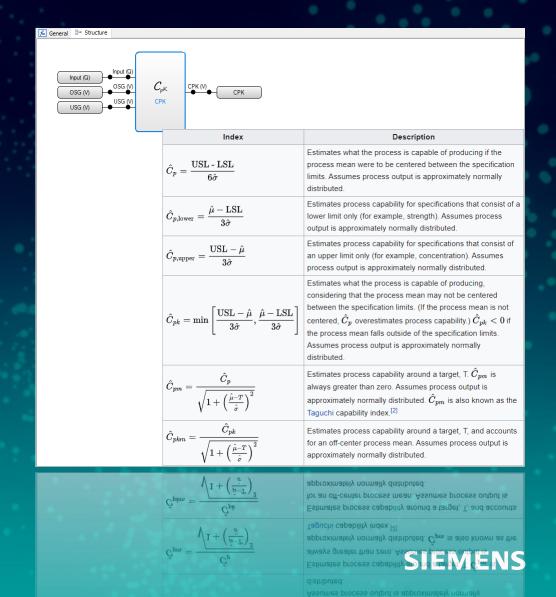
 "State Mapping" function block allows prioritized evaluation of an arbitrary number of test expressions build from up to 10 inputs



 "Value Mapping" function block to "map" arbitrary input values to dedicated output value

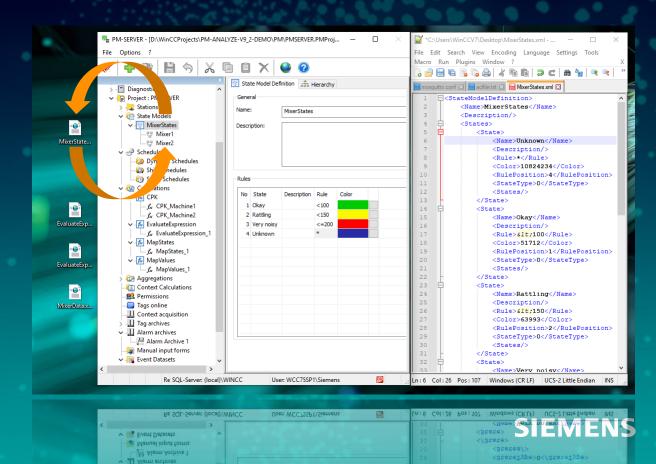


 CPK (Process capability index) function block (*Formula source Wikipedia.com)



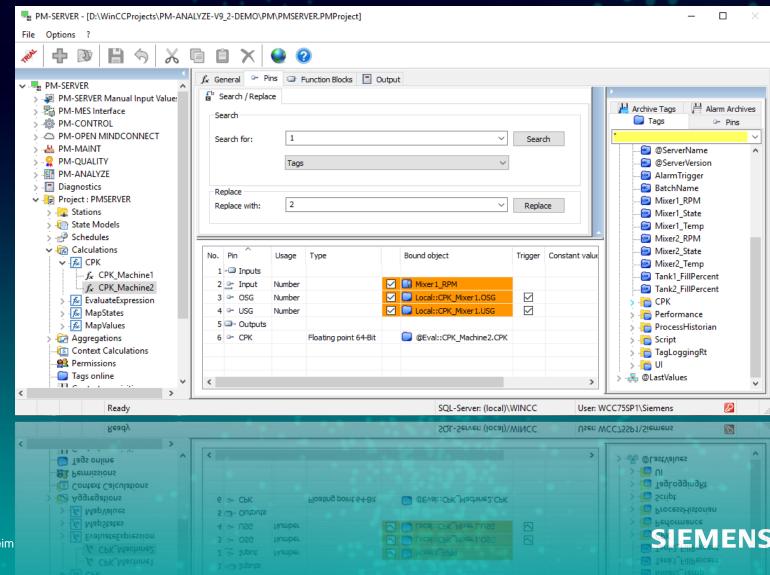
New in Version 12.0 Drag & Drop / Copy & Paste

- Drag and drop between PM-SERVER and Windows desktop/explorer and text editors
 - PM-SERVER to Windows desktop/explorer => generates xml export file
 - Windows desktop/explorer to PM-SERVER => imports xml file
 - PM-SERVER to PM-SERVER => copy
- Available for
 - State model definitions & instances
 - Calculation schemas & instances
 - Event dataset definitions
 - Range dataset definitions



New in Version 12.0 Search & Replace

- Search & replace function to "rewire" tag bindings or change object names in:
 - Calculations
 - Tag archives
 - Event datasets
 - Range datasets

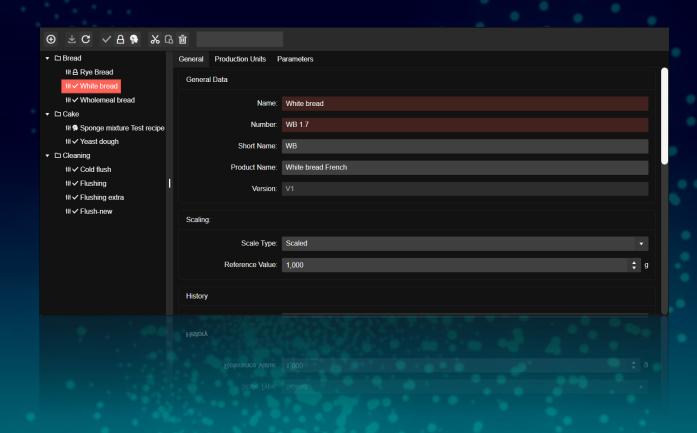


New in Version 12.1 New Controls for WinCC Unified

There are new controls for using PM-CONTROL with WinCC Unified:

- "PM-CONTROL Recipe Edit" for managing and editing recipes and recipe groups
- "PM-CONTROL Rest API Invoke" to access the PM API via JavaScript

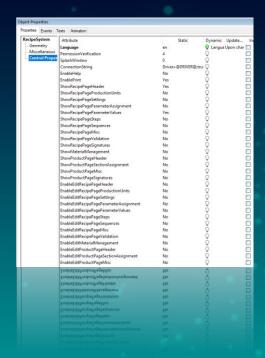


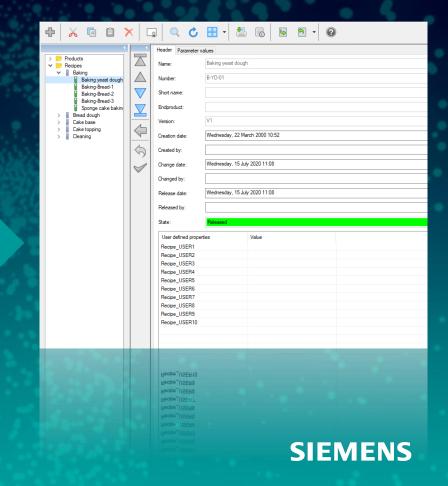


New in Version 12.1 Visibility and editability of pages in Recipe System

The Recipe System (ActiveX Control) got new properties:

- Show...: Controls the visibility of pages in the Recipe System.
- EnableEdit...: Controls the editability of pages in the Recipe System.





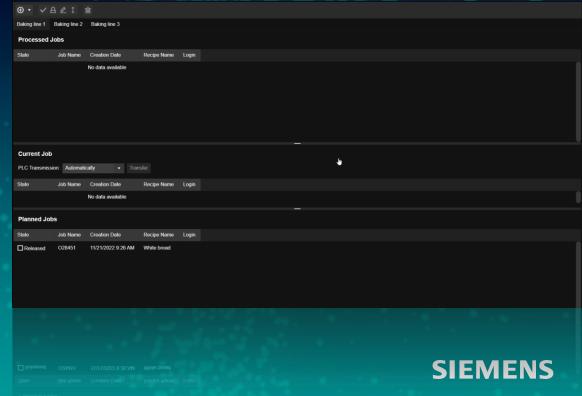
New in Version 12.2 New control for WinCC Unified: "OrderView"

For WinCC Unified there is a new UI control "OrderView".

This enables managing Orders in Unified Runtime:

- Overview of Orders (planned, current and processed)
- Creation, editing and deletion of Orders
- Moving Orders
- Releasing/locking Orders
- Loading manually

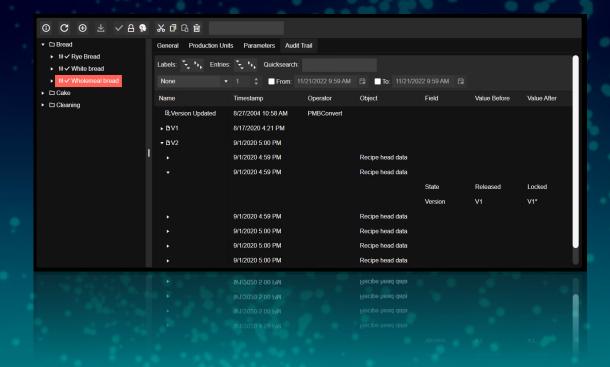




New in Version 12.2 New features in WinCC Unified control "RecipeEdit"

The WinCC Unified control "RecipeEdit" got new features:

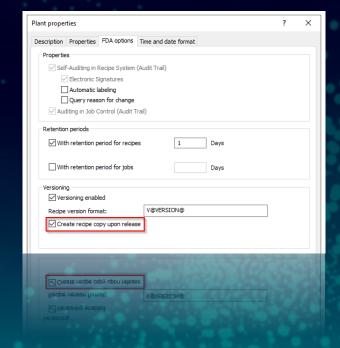
- Displaying and filtering of Recipe Audit Trails
- Signing Recipes
- Editing limits of Recipe parameters
- Copy/Paste of Recipes

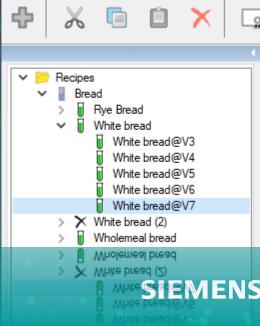


New in Version 12.2 Recipe copy upon release

Upon release of a new Recipe version a 1-to-1 copy of the Recipe can be created.

By this you can create Orders which use different versions of the Recipe.

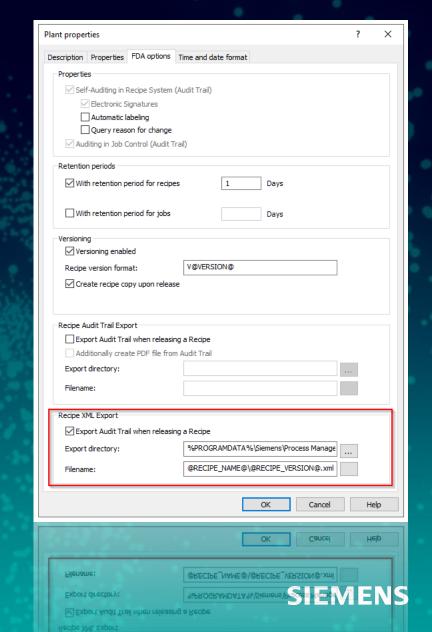




New in Version 12.2 XML export upon Recipe release

Upon release of a new Recipe version an XML export can be created of this Recipe (e.g. for archiving or documentation purposes).

The export path and file name settings are equivalent to the Recipe Audit Trail Export, but can be configured independently.

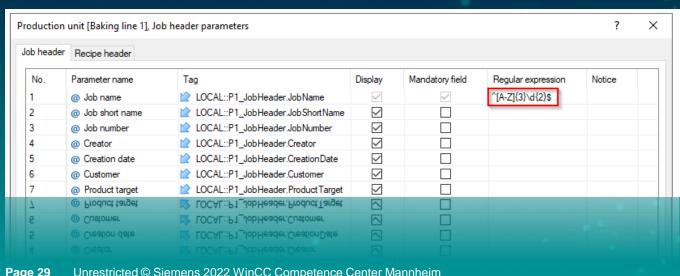


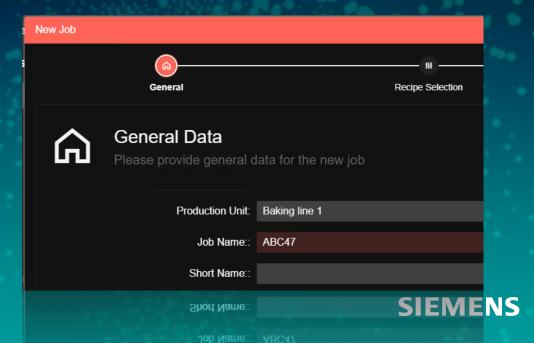
New in Version 12.2 Extended regular expressions for job header validation

For validation of Job header parameters extended regular expressions may be used; e.g. with "quantifiers".

An expression like "^[A-Z]{3}\d{2}\$" matches 3 capital letters and 2 digits.

The documentation of the regular expression language can be found online: https://learn.microsoft.com/en-us/dotnet/standard/base-types/regular-expression-language-quick-reference





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New in Version 12.2 Support of new SCADA system and operating system versions (1)

Support of the following operation system versions:

- Windows 10 Professional, Enterprise
- Windows 11 Professional, Enterprise
- Windows Server 2016
- Windows Server 2019
- Windows Server 2022



New in Version 12.2 Support of new SCADA system and operating system versions (2)

The following SCADA system versions are supported:

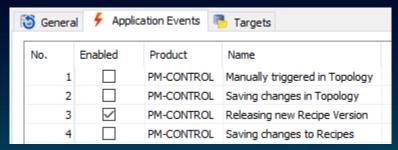
- WinCC V7.4 SP1 / V7.5 (ab Update 1)
- WinCC V7.5 SP1
- WinCC TIA V15
- WinCC TIA V16
- WinCC TIA V17
- WinCC TIA V18



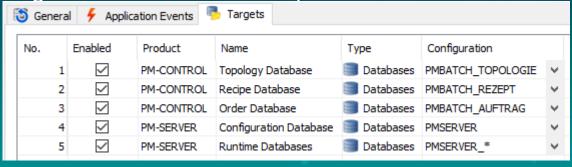
New in Version 12.2 Automatic Backups

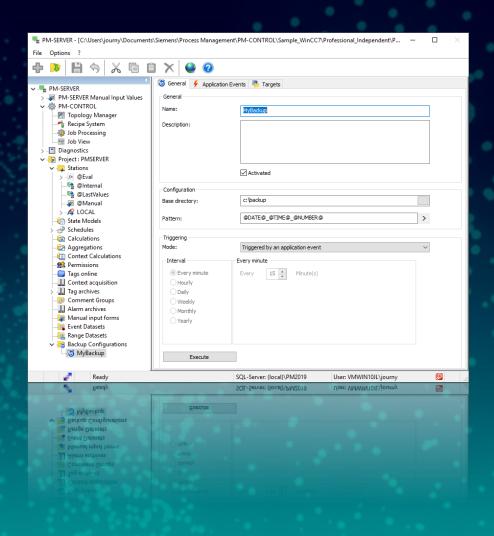
In PM-SERVER you can define backups.

These can be triggered by time or by an event – e.g. when a new Recipe version is released.



The backup can contain databases, files and folders. Custom targets can be defined if required.





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