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Features

Global

1. Visualizations are now loaded, similar to flowcharts, only when the respective station is started for the first time. This makes it possible to deploy new versions of work instructions to production more quickly. [ID 13638]
2. The start form configuration of an area is stored in its own table structure instead of the XML_ARCHIV structure. [ID 14426]
3. ZPL-layouts now support placeholders in Morestackio format ({{fieldName}}), which can be processed using formatting functions or retrieved via SQL. This enables, among other things, the use of ZPL-control characters from scanned values. [ID 14331]
4. The displays of WsStart have been updated. [ID 14397]
5. The evaluation configuration now also supports using @@Intern:TAF_Signal:fieldName@@, as system values can now be replaced there using loops as well. [ID 14635]
6. The MicroAgent can establish a connection to a configured serial port (COM) and open a TCP/IP listening port for it. Communication is then forwarded through this interface, similar to a Moxa N-Port, thereby enabling the integration of serial devices via a TCP-IP connection with the central ELAM controller. [ID 13463]

Administration

1. A new search function when assigning components to variants makes it easier to find components. [ID 14404]
2. Flowcharts are now sorted in ascending order by default. This ensures a consistent and traceable display of the flowcharts. [ID 2843]
3. A user's keys can now be viewed in the user management. [ID 9873]
4. When creating orders, an entry for the "lot size" is now automatically created. This ensures that the status of the main order is correctly updated after the completion of the sub-orders. [ID 10952]

Assistant

Analysis

Controller

1. The bitmask input for SWA I/O signals has been simplified and can be specified in a single field using 0, 1, and x (off, on, not monitored/changed). Additionally, programs (set outputs, monitor inputs, reset outputs) can be specified in the device configuration, which can be selected in the TAF signal instead of bitmasks. This simplifies the setup of, for example, Kolver EDU2AE screwdrivers. [ID 13462]

Installer

Bugfixes

Global

1. In the configuration display of the areas, all fields are now correctly processed and if necessary, cleared when switching strategies. [ID 14466]
2. SQL query notifications are now correctly evaluated, distinguishing between errors and data changes. [ID 14492]
3. Flowcharts and Visudeployments can now be specified without a version, instead of using version = -1, to use the latest version at station startup. [ID 14594]
4. The Start-TAF-ID is now always correctly determined in the manager. [ID 14609]

Administration

1. Signal templates – placeholders are now correctly replaced even without an SQL query. [ID 13159]
2. The user login in CentralHub has been improved to ensure a more stable and reliable sign-in process. [ID 14451]
3. Signals with empty optional fields can be opened again. [ID 14699]

Assistent

1. The continue display for sub-orders now shows a dedicated field for system messages. [ID 9082]
2. Missing translations have been added in the assistant. [ID 14500]
3. The processing of checklists within flowcharts has been fundamentally expanded to address issues when the same checklist is used multiple times.
It is now possible to choose between the options “Fixed” and “Generated” for measurement point names:
 - a. **Fixed:** If a checklist is used multiple times within a product or flowchart, the measurement values of the individual instances will still overwrite each other. This behavior corresponds to the previous logic and is particularly intended for rework processes where deliberate access to the same measurement points is required.
 - b. **Generated:** Measurement point names are extended at runtime with a generated suffix. This gives each instance of a checklist unique measurement points, so the measurement values of different calls no longer affect each other. [ID 11827]
4. Improved user guidance thanks to collapsible groups and optimized data processing through unique structures that prevent conflicts with duplicate entries and standardize the internal logic. [ID 14329]

Analysis

1. A missing function has been added to the PLA detail. A link button is now displayed in the header of the PLA details if pre-assembly PLAs are included within the current PLA. [ID 14664]

Controller

1. The screwing from the MTF is now processed correctly.
Originally, only the standard PIDs were considered during the inspection; the alternative PIDs

used by the MTF for result transmission were not recognized. This has been adjusted so that all relevant PIDs are validated and the results are processed correctly. [ID 14468]

2. For screwing, the block status for torque or angle values was sometimes missing. Now, the overall status (PID 01400) is automatically applied to the corresponding measurement blocks when the specific torque or angle status values are absent. [ID 14452]
3. The Sentinel Sensor (in module 3N-4) can now be configured in the PTL Modules.config. [ID 14464]
4. Numbers with decimal separators are now processed correctly. [ID 14624]

[Installer](#)

Note

Due to changes in the translation and the WebAPI in the flowchart, it is necessary to clear the cache and reload the site. Otherwise, the flowchart may not load correctly.

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