FORCAM™ FORCE

Bug Release Notes
Version 5.11.30

Release Information

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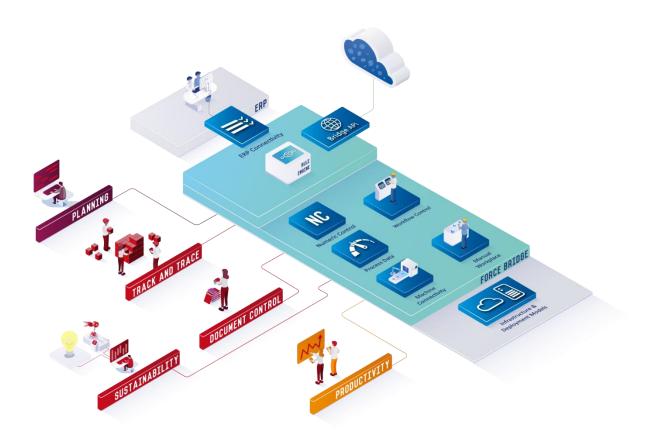Author: Sina Rilling, Sigrid Ternes

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General

FORCAM provides companies with all the information they need to control and optimize their production. The modular solution FORCAM FORCE IIOT is as flexible as the needs of customers. With a variety of production apps, FORCAM helps companies to make their processes more transparent and improve their workflows. In this way, companies create the basis for optimization measures and sustainable success, thereby ensuring their competitiveness.

FORCAM is always endeavored to optimize the FORCAM FORCE IIOT solution further, eliminate errors and ensure the best possible experience with full usage for customers. For this purpose, several patches are published throughout the year.

This document lists bugs that have occurred during customer use and that have been fixed during the **5.11.30** release. It gives a brief description of the bug as well as its fix for you to retrace and understand the procedure in the best possible way.

Detailed descriptions of the individual functions can be found in the respective product documentation.

Fixed Bugs

EDGE-936 (FF-31729) – Omron plugin: DBSTRING value showing re-arranged

Description

When reading strings from an Omron controller, the characters were swapped in pairs. For example, ABCDEF was returned as BADCFE. It occurred in a pilot system of FORCAM USA.

Fix

The character order of strings can now be configured with the parameter "Swap string characters in pairs".
No >   The order of characters is like that of the bytes in the telegram from the Omron machine.
This behavior is like before the changes of FF-27965 (OMRON plugin test and if necessary adaptation).
Yes >   The characters swapped in pairs in regard to the telegram from the Omron machine.
This behavior is like after the change of FF-27965 (OMRON plugin test and if necessary adaptation).

The option you use (either No or Yes) will depend on the programs and tools that are used to create the string values in the PLC. In case of doubt, both versions should be tested during the installation. The configuration parameters of the Omron plugin in the Workbench and in their interpretation by DCU/DACQ had to be changed.

FF-24415 (FF-32068) – SSO Workbench does not work

Description

Login page of the Workbench was shown even if the login by header was configured and a corresponding header provided.

Fix

Check if the user is already logged in, external SSO is executed even if the request principal is not set.

FF-31933 – Soflex Configuration is missing

Description

The anticipated dropdown was not created because the underlying IDs were too long to be mapped in the field. The configuration only allowed integer values.

Fix

A migration script was created that changes the value type in all corresponding xcl files from integer to long.

FF-31937 – Working place is missing

Description

The hibernate ID of the machine was displayed in the log instead of displaying the machine name .

Fix

The map that is used to store those hibernate ID machine name pairs had a logic issue in its get method.

FF-31991 – Comparison program does not open

Description

The comparison program sometimes does not open or uses wrong files. This issue can be seen in the PDM element table while comparing two elements (external comparison).

Fix

The client-side connector command now includes additional "PID", i.e. process ID, to identify grouped process calls. To keep the client-side connector waiting for a particular run command or to let it run without blocking, further run commands can be done by using the property file which resides usually in FORCAM_CSC folder in the user directory. This functionality existed already.

FF-32014 – SFT templates cannot be imported

Description

In SFT configurations, migration of nested attribute criterion configuration was not correctly implemented for a few border scenarios. This results in exception while importing an existing SFT template that has this type of nested attribute criterion configurations.

Fix

The SFT template migration logic is now extended to cover nested attribute criterion configuration scenarios.

FF-32113 – Copied auto report cannot be deleted

Description

When an auto export was copied, that had an attachment including a name, both of the documents (copy and original auto report) could not be deleted. That was because both had identical names.

Fix

During copying, the files are now automatically given different names, which means that after creating a copy, both auto exports (copy and the original) can be deleted.

FF-32186 – Refresh NC Status monitor

Description

The status monitor NC Controller page was refreshed with the cycle time of 1 minute. It was not desirable to refresh in such a short time interval.

Fix

A new configuration parameter has been added under "FFDNC General configuration" to set the refresh interval (in seconds) for the status monitor NC Controllers page. A new column has been added on the status monitor NC Controllers page to check which DNC instance a row is related to. Additionally, corrected some NPE and initialization of the soflex configuration.

FF-32240 – Runtime not starting with different OCI client version

Description

Logic library test requires ojdbc8 driver, but dependency scope was not correct (scope 'test').

Fix

Removed unwanted ojdbc8.jar file from the production code of ffruntime.

SAAS-317 (FF-32027) – Slow dashboard due to missing index

Description

Long loading time of dashboards, even for an empty dashboard.

Fix

An index has been added to FF_MD_LITERAL to improve the loading time of dashboards.

SD-8488 (FF-31927) – Auto report returns error in log

Description

Auto report returned an exception and didn't allow auto reports to be sent. The duration of the PDF export was not caused by the exception, but by the amount of data of the timeline diagrams. The data limit was increased from 10,000 to 80,000 rows.

Fix

Several improvements were done regarding the PDF export of timeline diagrams, also a logging has been introduced to log the progress of the timeline diagrams on debug level. The most impact however can only be achieved by decreasing the amount of data.

SD-8516 (FF-31847) – Operating State Class Report (operation) is using Status Class ID instead of Text

Description

The Operating State Class Reports only showed the internal Operating State Class ID, because no data formatter was defined.

Fix

A standard data format for "Operating State Classes" (description, code) has been introduced and the Report Data Source Columns have been adjusted to make use of these data formats.

SD-8643 (FF-31998) – Missing configuration in ERP upload – exclude list serializing

Description

ATTOF and ATTON message were not sent to SAP because they do not have a confirmation number which is mandatory for serializing by workplace. The message types were also not provided as options on the ERP upload serialization exclude list.

Fix

Add the options for ATTOF and ATTON on the ERP upload serialization exclude list.

SD-8645 (FF-32003) – Operation related time correction: the data is not completely displayed

Description

Operation related time correction UI does not display the operation and person information completely inside the operation and person column.

Fix

An added tooltip for operation and person column displays the full text inside operation related time correction UI.

SD-8660 (FF-32010) – FFRuntime is not taking changes from FFSceduler

Description

When writing back the planned operation in FFScheduling, not all changes were received by FFRuntime. The probable reason was a timeout waiting for response of a booking command. It occurred in MPS productive system and when the database is rather busy.

Fix

The booking timeout was increased by rising the number of polls when waiting for a response. A method to set the number of poll retries was added to the DomainObjectConfiguraitonService class. In this case (in the OrderFeedbackService class), the value was set to 500 (the default is 30).

SD-8694 (FF-32114) – Heidenhain plugin connection

Description

If a Heidenhein controller is offline (ping is unsuccessful) for a longer time (hours), there could be a problem with the reconnection. Restarting the DCU would fix this error, but that is not a suitable solution.

Fix

Since version 7.3.61: If the CreateConnecion method returns with error DNC32_E_FAIL_HANDLE, the own process (HdhClientTool.exe) will be terminated. DCU will then restart this process automatically. There is a configuration parameter in the file hdhsktprop.ini which may help in this situation. Configuration option for waiting sometime after a successful ping. PING_ALIVE_TIME = 30; Check if the controller is alive at least for this time (in seconds).

TC-4217, SD-8491 (FF-31910) – Column attribute for "Digital Bill of Material" corrupt

Description

No drop-down appears when attempting to configure the column attributes during the configuration of Digital BoM Activity Step.

Fix

The missing entries in Activity Step xcsl file have been added.

Appendix

Abbreviation/Term	Description
ATTOF	IDoc message type (time attendance)
ATTON	IDoc message type (time attendance)
DACQ	Data Acquisition (process signals that are colected by the DCU)
DCU	Data Colleciton Unit
DNC	Distributed Numerical Control
EAM	Entreprise Architecture Management (Process for gesigning the IT application landscape)
ID	Identity Document
NC	Numerical Control
OPT	Optimized Program
PC	Personal Computer
PLC	Programmable Logical Control
SFT	Shopfloor Terminal (terminal at the shopfloor for data colleciton, operating and interaction with ERP systems)
UI	User Interface
xcls	File extension for activity step file
XML	Extensible Markup Language