![FORCAM FORCE logo]

Bug Release Notes

Version 5.12.9

Release Information

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Inhalt

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 **5.12.9** 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.
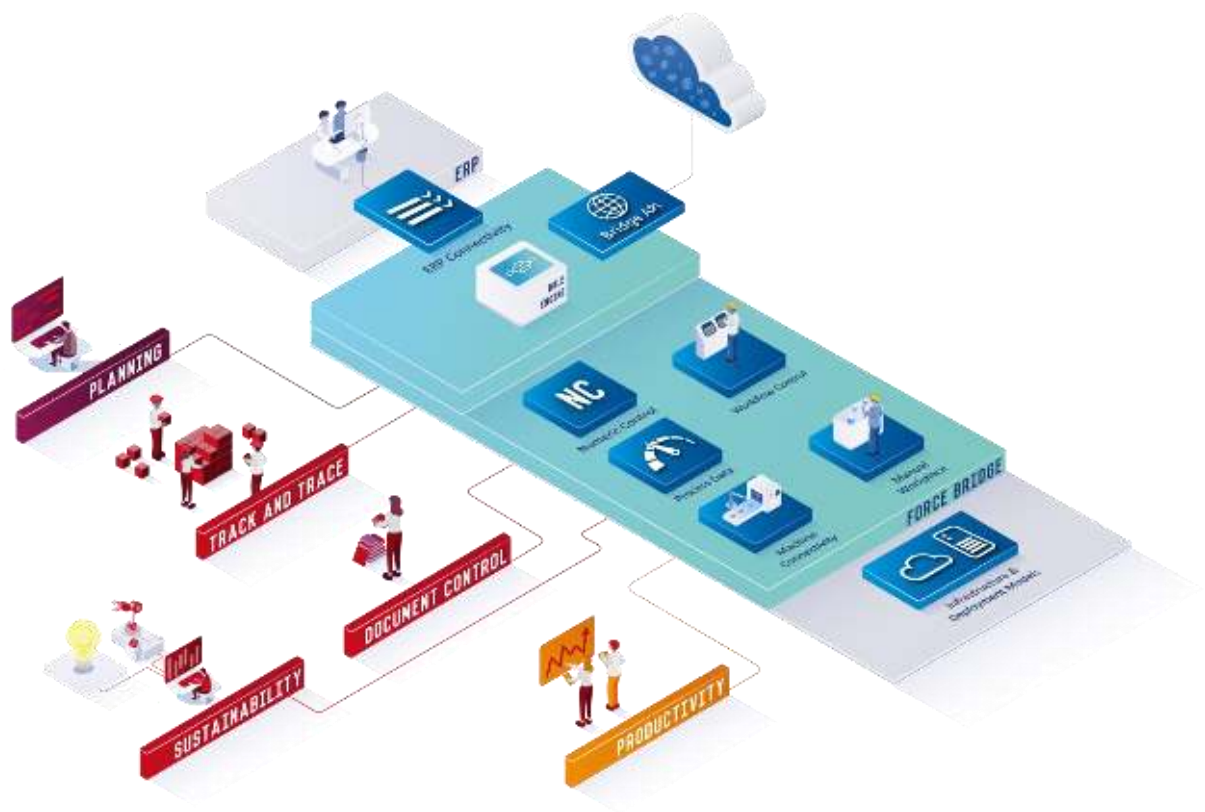
Fixed Bugs

EDGE-1213 (FF-32701) – DATAEXCHANGE CSV Plugin failure while CSV folder has Username and Password

Description

Despite using correct credentials, an authentication error occurs while connecting to a shared folder on a windows system. This issue occurred on Leist productive system. As mentioned above, the error occurred when the CSV file folder is on a remote windows system. However, connecting to a Linux system with Samba works.

Fix

The connection mechanism to the shared folder is now the same as in EDGE, where this already worked. Furthermore, there is a connection retry if the folder is not available initially or if the connection to the folder gets lost. The DATAEXCHANGE CSV Plugin was changed.

FF-31988 – Pop-Up Element blocked by second user is not correct

Description

When user in a session (with multiple tabs) make some changes, losing or Navigating from the changed tab does not remove the change lock. This issue occurs while saving a change in workbench screen (page) and it notifies that this page is already under other user's (session) edit. Workbench with multiple sessions could lead to this issue.

Fix

This issue is fixed using the packet ID or the negative current time as lock ID instead of using the page name.

FF-31992, SD-8768 (FF-32628) – Long loading time Single Quantity correction

Description

In the Workbench correction UI (e.g., Single Quantity. Operating State Manual Workplace or Operation-related Times) when user tries to load the order, operation, or material filter it takes longer to load the data if there are lot of active orders, operations, and materials available inside the system.

Fix

To prevent the long loading time; order, operation, and material information are fetched from the system based on the selected time range from now onwards. When user changes the time range the corresponding active, operations will be fetched from the event table (e.g., for single quantity operation ids are fetched from FR_EVT_OPERATION_QTY table) and then related order and material information are also fetched accordingly.

FF-32006 (FF-32266) – Delta Export unable to function

Description

Delta export was not functioning at all due to huge volume of PDM data (especially the packet configuration data). Delta export often led to workbench crash.

Fix

Instead of loading all the elements we have chosen to export it in batch size of 50. This property can be changed in configuration file. Annotation cache was also a problem as it was being loaded repeatedly directly from DB. Now, the cache is working and updates are forwarded to other services via events in order to notify.

FF-32677 (FF-32187) – NO OPT-Program out of Soflex

Description

The Workbench couldn't receive OPT programs from **Soflex machines**.

Fix

Updated the samba **jcifs** version from 1.3.18.3 to 2.1.31. Closed the **jmx connector** properly in the **FdmTransmissionDialogPageBeanUI**. Changed the read file conditions in **SoflexDataUtils** so it won't get stuck in an endless loop anymore. Fixed the **importFromPidData** method in **SoflexImportService**. Some functionality got lost in the transition between FForce version 5.2 and 5.6.

FF-32687 – SFT: Machine Monitoring Base Page view not able to open

Description

The issue occurred when Machine Monitoring base page is used as a linked page to other root base page. In this specific scenario, the selected workplace was not correctly calculated and hence SFT was trying to query for all the workplaces available resulting in query timeout at runtime.

Fix

The calculation of workplace is now fixed for the above scenario as well.

FF-32691 – CSCScheduler Thread Leak in FFWorkbench

Description

The workbench performance continuously decreased. The process had large number of **CSCScheduler** threads. It occurred on productive system.

Fix

Introduced a keepalive mechanism for the workbench frame window. This provides the possibility to remove obsolete threads. Workbench had to be changed to fix it.

FF-32692 – Workbench displays error message in DACQ Template Configuration despite correct Scripts

Description

A Javis-DACQ script exists in which **@|PLC|@:@|WPL|@1:Signal** was used. 630 was the assigned workplace. It has a controller with a signal named **Signal** and **6301** as group name. So **@|PLC|@:@|WPL|@1:Signal** was resolved to **@|PLC|@:6301:Signal** which is the correct signal identifier. But the Script verification was not able to handle placeholder resolution in script when it was assigned to a valid controller and workplace.

Fix

Passed workplace name to the script verification when the signal group may contain workplace and/or controller place holder. It will be resolved for the signal group part.

FF-32694 – Multiple Checkout, Cancel Checkout & Release Group features don't work as expected

Description

Multiple Checkout, Cancel Checkout & Release Group features don't work as expected. Multiple Checkout did not check out the selected elements and did not close the popup when it was done. Cancel Checkout does not work for multiple elements.

Fix

The multiple checkout popup is fixed to fit the FORCAM aesthetic. Added on Ok that triggers the callback for Multi Checkout.

FF-32761, SD-8914, SD-8971, SD-8694, SD-9094 (FF-32278) – During DCU stoppage ffzip.exe does not stop

Description

Ffzip.exe is used to compress old log files. The **ffzip.exe** process often hangs because of a deadlock situation.

Fix

Ffzip.exe is now replaced by **7zr.exe**.

FF-32761, SD-8971, SD-8694 (FF-32311) – HEIDENHAIN-Plugin connection issue

Description

The start of the **HdhClientTool.exe** process was delayed (more than 15sec) by starting the **ffzip.exe**. Although the reason for this issue is unknown, a virus scanner is suspected. The DCU (HEIDENHAINLNKWRAPPER.dll) could not handle with such long delay.

Fix

Now **HEIDENHAINLNKWRAPPER.dll** uses longer timeouts (60sec) by communication with **HdhClientTool.exe**. In order to update only replace Heidenhain exe and dll files in DCU folder.

FF-32770 – Scheduler calculates wrong OP duration leading to a long Gantt bar

Description

If the target quantity of an operation is given in kilograms, there is a confusion between milligrams and kilograms. Due to this, the planned duration is one million times higher than expected. It occurred on **VA Wire test system**. Configured piece time for workplaces and materials are used. The operation target quantity was given in kilograms.

Fix

Fixed the conversion mechanism by using the correct unit conversion. The **FFScheduler** server had to be changed.

SD-8650 (FF-32111) – Missing info-text on button group

Description

The vertical text for list activity in SFT base pages was not visible.

Fix

The default colors for background and text were same so the text was not visible. Now different & visible colors are implemented.

SD-8970 (FF-32382) – Issue with change size function of text editor

Description

Difficulties in changing the size of Text Editor pop-up. This issue occurred in Configuration > SFT > Operation > Operation Details > HTML Configuration.

Fix

Increased the default size of Text Editor Pop-Up.

SD-9002 (FF-32756) – Connection to MQTT fails and no retry is made

Description

After a temporary connection interruption, the **MQTT plugin** does not reconnect automatically. The DCU has to be restarted. It occurred on a productive system.

Fix

Introduced a reconnect mechanism in the **MQTT DCU plugin**. The **MQTT DCU plugin** had to be changed.

SD-9104, FF-30840 (FF-32573) – Reports failed to load as Newoffice service was busy

Description

The performance of the data sources was not sufficient.

Fix

The performance of the **Hitlist Operating States (Workplace)** was improved. In addition some additional actions were defined which needed to be done directly on the customer system.

SD-9135 (FF-32404) – Purge Command is not executed for FT_Process_RAW_DATA_WP_TL table

Description

FT_Process_RAW_DATA_WP_TL table needs to be purged. However, there are no default purge detail available.

Fix

A new purge detail section with **FT_Process_RAW_DATA_WP_TL** is added. It will be active by default. Time column will be created with no **where** condition and threshold age will be 365.25 days. Java migration is also added to add it into existing purge configurations.

SD-9146 (FF-32644) – Master Data - Template description change could not be saved

Description

When the user tries to change the description of the template and change the selection in the Workbench Template Configuration UI, **save** was not working and saved changes was not visible to the user.

Fix

The id of changed object has been added inside the changed object lists to save and see the changes of the description of the template. When user deselects and selects another row and/or template, the changes are visible to the user as well.

Appendix

Abbreviation/Term	Description
DACQ	Data Acquisition
DCU	Data Collection Unit
DNC	Distributed Numerical Control
HTML	HyperText Markup Language
JMX	Java Management Extensions
PDM	Product Data Management
RMI	Remote Method Invocation
SFT	Shopfloor Terminal