Bug Release Notes
Version 5.11.46

Release Information

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Content

General

FORCAM provides companies with all the information they need to control and optimize their production. The modular solution FORCAM FORCE MES FLEX 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 MES FLEX 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 **5.11.46** 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.
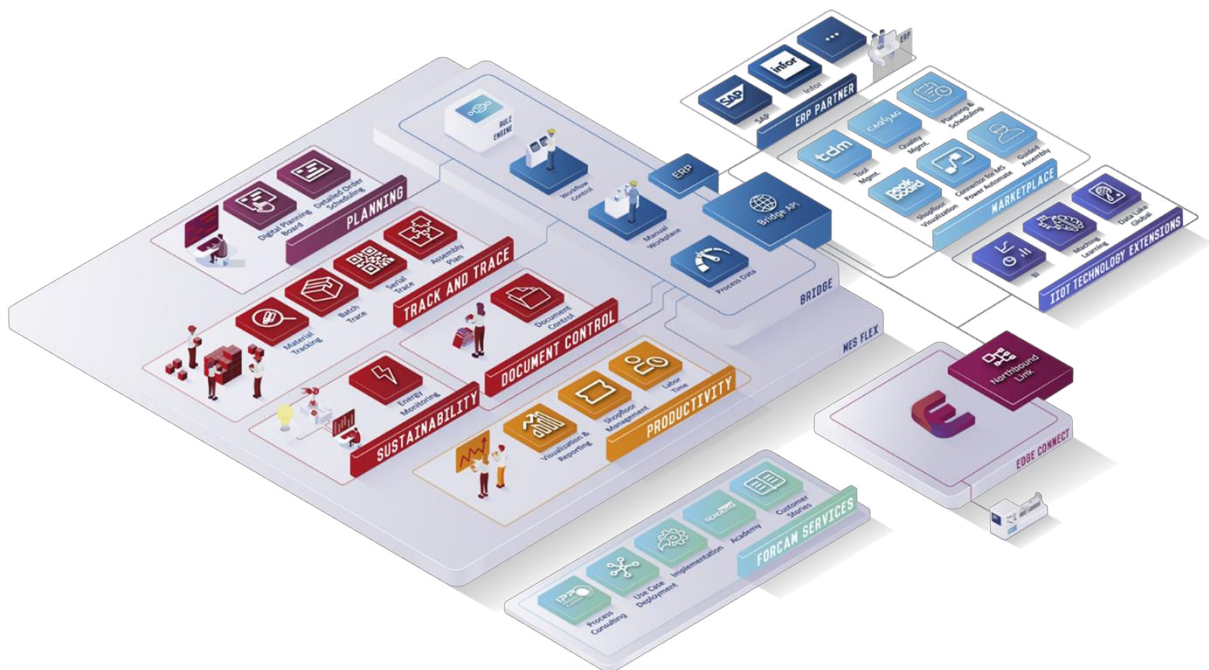
Fixed Bugs

FF-33132, TC-4704, FF-33815, SD-10450, SD-10482 (FF-33939) – SFT: No Automatic Refresh in Operation Table at Phase Change

Description

In SFT Terminals, sometimes (randomly) the polling connection responsible for processing server-side events was disconnected, resulting in stale state of UI information. It occurred at workplace & operation tables at Operation View basepage.

Fix

The issue occurred because of connection issue with third party framework CaptainCasa which is now fixed with the newer version of CaptainCasa, i.e.,20230502.

FF-33897 – Too Many Unclosed Connections

Description

Plugin failed to consistently close the connection in all cases.

Fix

Now, the connection is attempted to be closed in all cases (in the destructor of the machine object).

FF-33937 – Direct Manipulation of Element Requires 'Edit Element Information' Permission Linked with 'Edit Element Immediately'

Description

The permission "Edit Element Immediately" was linked with "Edit Element Information" permission. It was not possible to do a direct manipulation of an element without the permission "Edit Element Information".

Fix

Both permissions are decoupled.

FF-33978 – EnergyControlling: Different Results in Reporting for kW Usage

Description

The reports: **Energy consumption per Workplace** and **Load curve** report give different results of the kW consumption. If the reports are used with the table: FT_PROCESS_DATA_WORKPLACE, the value is correct. This was checked on the machine by user. Reports with the table FT_ENERGY_DATA_WP_TL are incorrect as higher values are being displayed.

Fix

This issue is fixed by using the real energy consumption as it is being used in process data.

FF-34001, IS-144, TC-4704, SD-10761 (FF-33875) – Javis DACQ: Data Persistence Failure on Script Stop and Restart

Description

The persisting of variable values in DACQ did not work properly.

Fix

The problem was that two modules used the same persistence file and "stole" the data from each other. The first measure was to change the configuration. This fixed the problem without programming. Additionally, new parameter names were introduced for the persistence files of DACQ scripts and Messaging: "scriptDataFile" for DACQ script and "messagingDataFile" for Messaging. When using the old "file" parameter, a warning message is issued in the log.

IS-171, SD-10325 (FF-33856) – Process Data Charts Not Displaying Latest STEP-NUMBER Values

Description

The process data only triggered once it receives additional data. This problem occurred specifically in Trace Acquisition.

Fix

The issue was fixed by triggering the data based on the flush delay.

IS-233, IS-268 (FF-33984) – FFWorker Memory Utilization Hits Maximum

Description

Memory utilization of FFWorker reached maximum capacity. The bug occurred due to System Thread Pool Starvation bug from Apache Ignite.

Fix

Updated Apache Ignite from version 2.11.1 to version 2.14.

IS-258 (FF-33926) – Recoding Blocked After Language Switch

Description

Further recoding is blocked after switching the language.

Fix

Recoding input is reset in case of language switch.

IS-260, SD-10567, SD-10660 (FF-33975) – Alias Undefined: Error When Selecting Material in Internal Order Creation

Description

SQL Query used an alias but the alias was not defined. An error message is displayed when attempting to select a material during the creation of an internal order.

Fix

SQL Query is fixed to not have any alias anymore as it is a very simple/one-liner SQL query.

IS-278, SD-10670 (FF-33991) – Different Timezones Due to DST

Description

Timezone offset is calculated without taking DST into account in the workbench.

Fix

Timezone offset is calculated with DST for workbench instead of just using the raw offset.

IS-295, SD-10786 (FF-34034) – FFScheduling is Not Able to Work Up its Queues

Description

FFScheduling did not handle the new operation and deleted operation messages fast enough to work up the queue.

Fix

The handling of deleted operation has been made more efficient by removing unnecessary insert and delete operations in the database table. The FFScheduling source had to be changed.

IS-334, SD-10893 (FF-34080) – PDF Export Failed

Description

Error during PDF export due to negative height of an image.

Fix

Skipped images which could not be rendered. Added more log output to get more details about the problem.

SD-10228 (FF-33724) – Workplace Status Inconsistency After Correction

Description

Quantity correction just after the MachineStatus correction resets the machine status correction flag for the machine status interval which leads to the shift to govern the workplace status.

Fix

Logic is changed so that any correction at the same time (UTC) as machine status correction should not reset the machine status correction flag.

SD-10337 (FF-33762) – Operation End/Interrupted Uses Wrong Operation Text

Description

Different attributes shown in workbench & SFT.

Fix

Added additional table column in workbench.

SD-10423 (FF-33820) – AttributeCriterions Could Not be Selected

Description

In the activity step to display the ticket associated to the workplace, it was not possible to filter the list of tickets with any given ticket attribute criterion. The feature of filtering tickets by attribute criterion was missing from the start in the specification of the activity step.

Fix

The missing feature of filtering ticket by attribute criterion is implemented.

SD-10485 (FF-33894) – Recoding Error

Description

Recoding led to an error when using Oracle database. Retrieval of Compressed Data Binary Stream was not possible.

Fix

Ensured that the transaction is still open while reading the cache snapshot blob.

SD-10656 (FF-33949) – Missing Data after Splitting Operation

Description

Production Resource Tools and Operation Components were not splitted when using the CreateOperationSplitActivity.

Fix

Production Resource Tools and Operation Components are cloned/splitted when using the CreateOperationSplitActivity. Component Quantities are splitted acording to the split of the target quantities.

SD-10686, TC-5187 (FF-33992) – Noon (12 PM) Interpreted Incorrectly

Description

Noon displayed as 12 AM instead of 12 PM.

Fix

DB timestamps are converted to milliseconds since the UNIX epoch which can be directly parsed back as date.

SD-10756 (FF-34002) – Wrong Shift ID in Ticket

Description

Wrong shift id was found in the ticket.

Fix

Correct shift is found.

SD-10767, SD-10538, SD-10639, IS-229 (FF-33907) – OPC UA Lost Signal

Description

OPC UA signals are not delivered from a machine when it is restarted. This happens mainly when the machine was off during the weekend and is switched on again.

Fix

The plugin now handles a special error: Bad_ConnectionClosed returned from the machine on a subscription. The Java and C source of the OPC UA plugin had to be changed.

SD-10846 (FF-34044) – FFWorkbench Crashed and Ran Out of Memory

Description

FFWorkbench crashed due to memory exhaustion. DashboardFrameUI was not terminated when the user closes FFWorkbench tab/window which led to a memory leak.

Fix

DashboardFrameUI is also terminated with other UIs when the user closes a workbench tab/window.

TC-4724, SD-10796 (FF-34068) – DNC for FTP (Force DNC) not Transferring File

Description

The DNC for FTP (Force DNC) failed to transfer the file.

Fix

FTP active mode is now supported in addition to the default FTP passive mode.

TC-4923, IS-189 (FF-33821) – Data Capturing Issue in SFT Activity Step with Null Values

Description

This issue revolves around data capturing from the worker's SFT Activity Step. The problem occurs specifically during the data capturing process from the SFT activity step. One precondition or special environment for this issue is the presence of a data capture item that allows null values.

Fix

The issue was fixed by setting the value to null instead of an empty string when no value was entered.

Appendix

Abbreviation/Term	Description
DACQ	Data Acquisition
DNC	Distrubuted Number Control
DST	Daylight Saving Time
ERP	Enterprise Resource Planning
FTP	File Transfer Protocol
OP	operation
OPC UA	Open Platform Comunications Unified Architecture
SFT	Shopfloor Terminal
SQL	Structured Query Language