Bug Release Notes

Version 5.12.2

Release Information

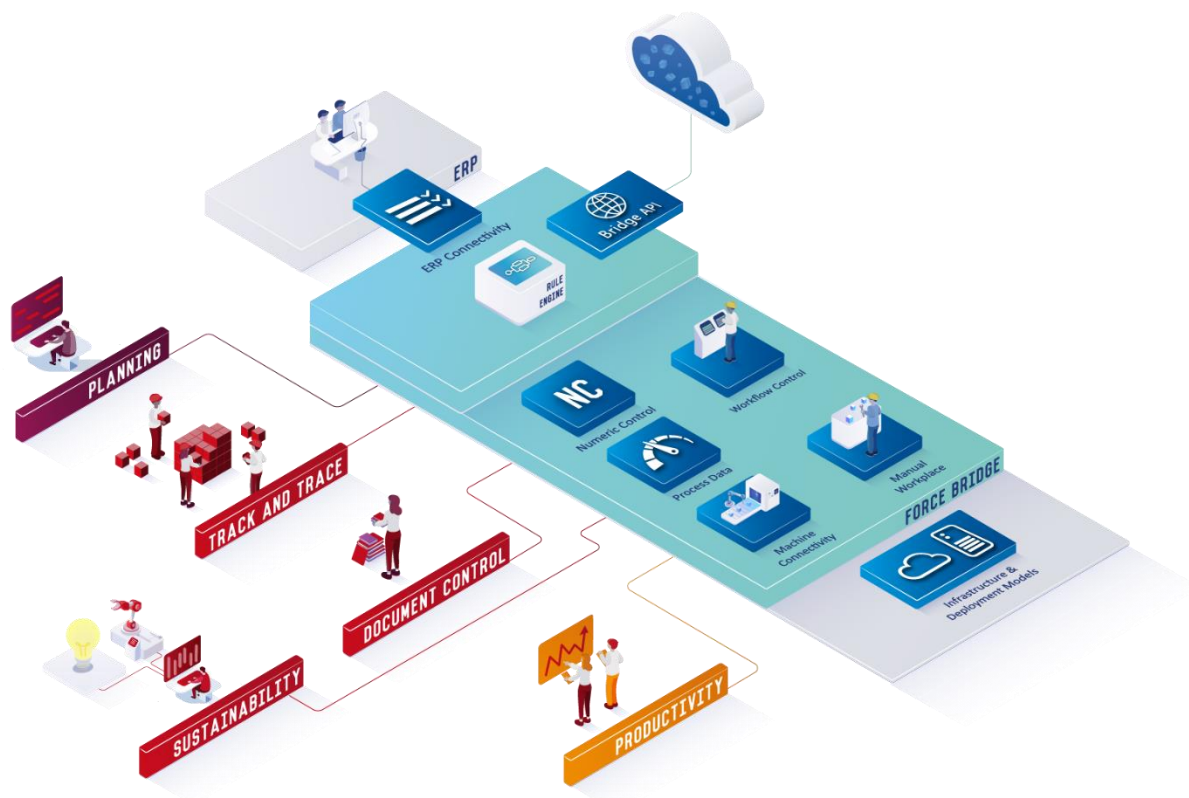|	
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Content

General

FORCAM provides companies with all the information they need to control and optimize their production. The modular solution FORCAM FORCE 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 **5.11.28** 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

Alarming: Sending email does not work

SD-8349 (FF-31717)

Description

The email of an alarming parameter was not sent when no additional recipient was defined for that parameter.

Fix

Removed the check which prevented the email from getting sent.

Dashboards: Long loading time of "Shift Report Line03"

SD-8166 (FF-30840)

Description

Slow performance when querying too much data in reports that are embedded into dashboards. This only occurred on systems with too many workplaces and too much data written per hour/day.
The standard use case of the reports is to show online and archived data.

Fix

Introduced a new online view for workplace-related base data (V_TL_WORKPLACE_BASE) that is to be used if the use case is to retrieve data that is not yet archived.

ⓘ Note: Adapted data sources are not yet included into the standard reports.

Database: New literals falsely created

SD-8088 (FF-31439)

Description

Literals were not being cleared from the database when required. The issue occurred in two places of the workbench:
  – While removing tiles of the URL type from the main menu navigation
  – While import-overwriting a terminal template in configurations menu

Fix

In both cases, new literals were being created while old ones were not being deleted. As a fix, removed the old literals in both places. Some collections were added to hold information about the literals that need to be deleted and added back in case of reverting changes.

Digital Planning Board: Long data selection time

SD-7683, SD-8415 (FF-30767)

Description

Noticeable slow first query in the Digital Planning Board. On the other hand, immediately running the same query for the second time was very fast. Preconditions: Millions of entries in the "FR_MD_TRANSLATION_MAP".

Fix

Altered the "V_MD_OPERATION" view to be more efficient in extracting literal-based fields. Changed view to fetch literals via join instead of sub-selects.
Added a warning dialog to the Digital Planning Board when a text field is used as search criterion, since this will still be slow dependent on the number of literals within "FR_MD_TRANSLATION_MAP".

Digital Planning Board: Set attribute in ORG-Hierarchy is not considered

FF-31795

Description

Some nodes with wrong behavior contained inconsistent attribute data. This led to wrong recognition of the workplace overlap functionality.

Fix

Changed the retrieval of the "OVERLAP" attribute to cover such inconsistencies. Only the relevant hierarchy is now searched for the "OVERLAP" attribute.

ERP: Deleted workplaces still receive and create new operations

SD-8500 (FF-31815)

Description

Operations supplied to inactive workplaces via ERP download were falsely created.

Fix

Operations supplied to inactive workplaces via ERP download are not created anymore. Instead, an error message is written to the log in case of XML, or an error is returned in case of BridgeAPI.

ERP: Directly closed/deleted operation without starting

SD-8092 (FF-31721)

Description

An order was closed by the ERP without starting/working on every operation of it. The unstarted operation was having a wrong state ("Released") in the report due to auto-assigning/adding the operation to the workplace.

Fix

Operations which are being closed directly do not need auto-assign/add to the workplace. "AddOperationEvent" for auto-add/assign is skipped in case of direct closing of an operation.

FFTracingAquisition: A working Ignite could not be found

SD-8274 (FF-31557)

Description

A NullpointerException when starting Ignite Node led to an application crash. This was caused by an Ignite bug (IGNITE-11406) which was fixed with version 2.10.

Fix

Updated the Ignite version to 2.11.1 which fixed the NullpointerException.

FFWorker: Memory leak

SD-8186 (FF-31615)

Description

A memory leak can occur in the FFWorker backend under certain conditions. The issue is caused by exceptions during the removal of closed sessions.

Fix

Steps were taken to ensure that closed sessions are properly cleaned up.

ForcamMaintenanceService: No retry to access ffwebservices

SD-8446 (FF-31777)

Description

The maintenance service failed to start when ffwebservices is not available.

Fix

Implemented a retry mechanism which repeats initialization of workplaces until ffwebservices is available.

Master Data: "Assigned User Field" still available in WPL overview

SD-8493 (FF-31829)

Description

The unused "Assigned User Field" configuration was still available in the workplace overview table.

Fix

Removed the "Assigned User Field" configuration.

Operation-related times: No times displayed

SD-8315 (FF-31648)

Description

When the user searched for multiple cost centers, no results were displayed, and exceptions were found in the logs.

Fix

The error occurred due to the large amount of data that must be parsed in the SQL query. Restricted the result with a limit and when the events exceed this limit, the user is notified: "The events have exceeded the limit. Please narrow down the search."

Phase/Status Definitions: No automatic maximization of screens

SD-7739 (FF-31826)

Description

In the Phase/Status Definitions, the logic of automatically maximizing the screens when others are minimized did not work.

Fix

Changed the corresponding code to fix the logic.

Planned Maintenance: Cycle not working

SD-8321 (FF-31702)

Description

The start date for the second maintenance was not calculated correctly for cyclic daily and weekly maintenance. The cycle was not considered. It occurred when the current date was greater than the first real start date.

Fix

Modified the code to correctly calculate the start dates, taking the cycle into account.

Report Editor: "Test SQL" in query leading to high database load

SD-8300 (FF-31711)

Description

The "Test SQL" button was available and could be clicked multiple times during a query. Each click starts a database query, which can lead to a high database load.

Fix

Disabled the "Test SQL" button for the duration of the query.

Reporting: Unit of X axis in bar/column chart not displayed

FF-31805

Description

Custom duration formats were not displayed in the axis title of a bar/column chart report.

Fix

Custom duration formats are now displayed correctly.

Status Detail Tree: Customer code not updated after import

FF-31787

Description

After importing the status detail tree, the customer code was not updated. The data was also missing for recodable, splitable and annotatable fields as well

Fix

When the malfunction is imported without forced import, the existing malfunction is not updated with the imported data. But when the malfunction is imported with forced import, the fix is made to update the customer code, recodable, splitable and annotatable fields.

Status Detail Tree: Incorrect tree import via XML

FF-31774

Description

Reimport from the XML did not correctly load the exported status detail tree structure inside the template configuration.

Fix

Removed the "return" keyword before finishing the import mechanism which prevented the import of the XML functionality.

Terminal Template Merge: Merge not performed during update

SD-7853 (FF-31616)

Description

The "Merge template configuration required" check box was checked before the update of the system. After the system was updated with the changes in the terminal template configuration, the check box was unchecked. Additionally, the migration did not happen after the update.

Fix

The default value was wrong in the migration file every time when a new migration happened. Made a fix to check the highest version XML data from the database to see if the check box value is true. If yes, then the value is set as true in the new XML and then saved in the table.

Views: Export functions missing for dashboards and visualizations

SD-8280 (FF-31598)

Description

The export buttons were not available for authorized link dashboard and visualization views.

Fix

Fixed the export buttons for the views.

Appendix

Abbreviation/Term	Description
ERP	Enterprise Resource Planning
IDoc	Intermediate Document (SAP document format)
MES	Manufacturing Execution System
PDF	Portable Document Format
SFT	Shopfloor Terminal
SQL	Structured Query Language
UI	User interface
WPL	Workplace
XML	Extensible Markup Language