



Bug Release Notes

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Release Information



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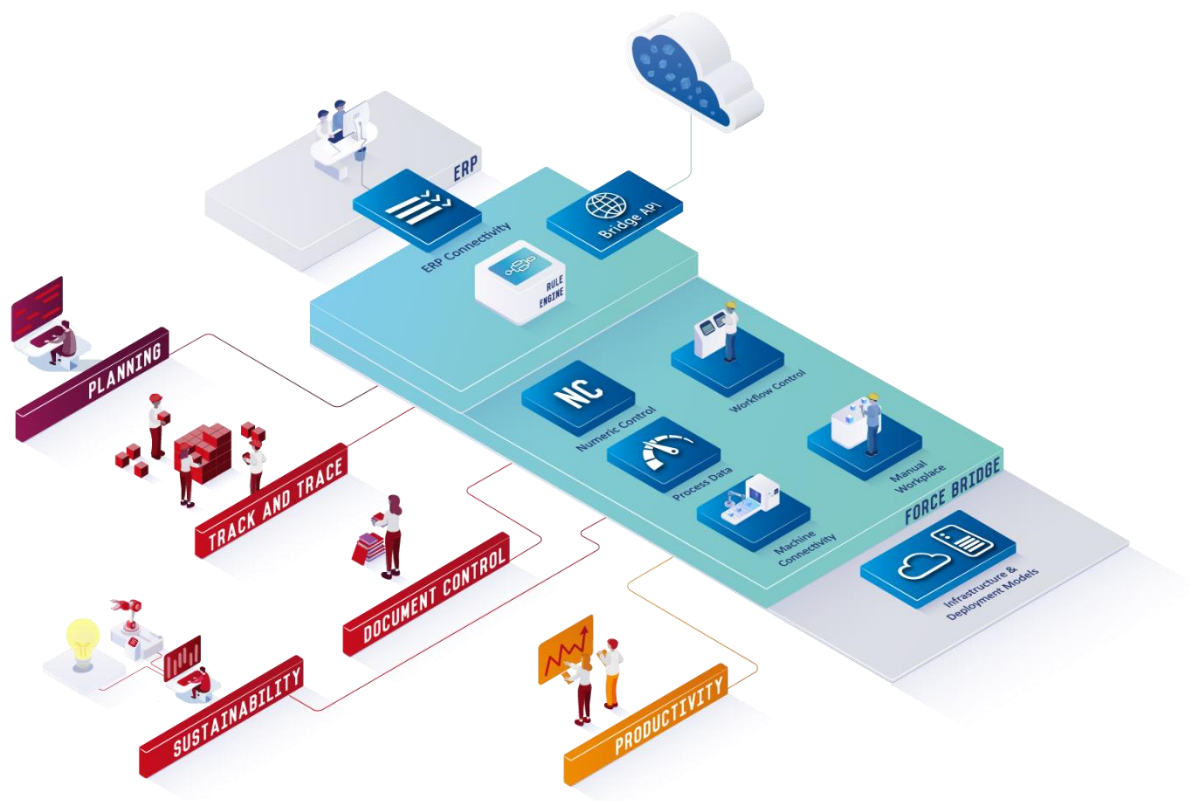
General

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 **5.11.31** 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-31828 – Max Backward Timestamp (ms) doesn't work as expected

Description

Not all recoding states in SFT status history could be changed when **Max backward timestamp** was set to a valid period.

For some operating states, there is a difference between the start timestamp and recoding timestamp (machine status timeline).

Occurs in SFT -> Status History -> Recode

Fix

The maximum value of the backward timestamp is now compared to the start timestamp of the time element in the status history, not to the recoding timestamp.

FF-31939 – Performance too slow and timeout too long

Description

The packet configuration Ignite cache takes a long time to find packet CFGs for elements.

Fix

Due to the heavy load of packet CFGs, the Ignite was not able to provide a good response time. We added some indexes to the Ignite cache to improve performance.

FF-32221 –Creator will be overwritten in Workbench – Document Control

Description

Creator was being overwritten because the flag that was supposed to prevent that from happening (keepCreator) was not configurable.

Fix

Migration script to ensure that the old configurations get the "new" flag with the default value true.

FF-32225 – Internal comparison program does not work

Description

The internal comparison program in PDM > Element table keeps the first text in priority and compares it with the second text based on this text. Therefore, if we swap the sequence of the texts, the comparison does not give the similar result as before.

Fix

The algorithm for the difference between two texts has been changed. Now the result should be similar regardless of the sequence of the texts.

FF-32226 – Database connection problem

Description

The FFWorkbench service frequently timed out due to a very short (1 second) connection timeout, even though the default configured connection timeout was 30 seconds.

Fix

Removed the unnecessary overriding of the connection timeout value to 1 second from the initially configured 30 seconds.

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 from the production code of ffruntime.

FF-32246 – Track & Trace: FFTracing-Processing sends webservice messages to CAQ endpoints

Description

In Track & Trace: FFTracing-Processing is sending webservice messages to CAQ endpoints even when CAQ is not configured. During various events on SFT (Operation start, Operation interrupt etc.), FFTracing is seemingly sending messages to FFWebservices to inform the external CAQ system. However, as external CAQ system is not configured or activated, the HTTP request results in a failure.

Fix

Check whether the URL for the external CAQ system is activated in the configuration or not. If it is not activated, it is logged that the external CAQ system is not activated, and the same procedure is followed as if the operation quality check status is set to "none". This prevents the external CAQ system from being informed.

FF-32255 – Report cannot be imported

Description

A reference of a filter criterion to an existing drill-down prevented the import of the data source "Detailed Line Output Assemble".

Fix

Cleaned-up drill-down references for non-standard filter criteria and are now handled correctly during import.

FF-32260 – Dashboard changes to the update interval not updated for open dashboards

Description

The refresh interval was not updated for dashboards in authorized links.

Fix

The refresh interval is now updated for dashboards in authorized links.

FF-32293 – FFSetup: Clicking next not possible

Description

The issue is relevant to Oracle installations that use the OCI client. In that case the installation or an update via FFSetup was not possible.

Fix

Although we delivered the required ojdbc8.jar file with our installation package, it was actually not used by FFSetup because it was not instructed to search for the file during the start of FFSetup. This was corrected and now FFSetup uses the ojdbc8.jar file we provided.

SD-8315 (FF-31648) – No Operation-related times displayed in correction

Description

When the user searches for multiple cost centers in the Workbench under Corrections - Operation-related times, no results are displayed, and exceptions are found in the logs if there are lot intervals between the selected time range.

Fix

The error was due to the large amount of data that needed to be parsed in the SQLQuery of Apache Ignite. The Ignite query was split to fetch the operation-related intervals.

SD-8350 (FF-31830) – Order Management: OP is rescheduled when dropped on itself

Description

In Order Management -> Plan Mode: If an operation is dragged from a list and dropped onto itself, it will be rescheduled according to its own scheduled finish date. Instead, an "abort reschedule" is expected.

Fix

The reschedule mechanism is not executed when an operation is dragged and dropped onto itself.

SD-8606, SD-8768 (FF-31992) – Loading time single quantity correction

Description

The "Operation no." filter of the user interface for single-quantity corrections becomes too slow to display the number of active operations when there are many literals and active operations in the system.

Fix

A new configuration "Display maximum operations in "Operation no." filter" has been added to limit the number of active operations.

SD-8647 (FF-32002) – FFScheduler - Transport amount not consistent and cannot be saved

Description

The transport amount with the unit percent could not be saved on a customer-productive and test system.

Fix

The unit "%" and "empty" can now be used in both the capacity data and the system configuration data. When a transport amount of 50% is specified, the next operation can start when half of the target quantity is produced. The unit "empty" indicates a factor in regard to the target quantity. For example, a value of 0.5 is the same as 50%. After configuring this value, the orders have to be updated in the FLS client.

SD-8654, SD-6585 (FF-32012) – Workbench: Saving entry in Workplace configuration takes too long

Description

In a system with a large number of workplaces, the save functionality in the workplace configuration works very slowly.

Fix

Services and components responsible for the workplace configuration save are updated to avoid some direct DB calls and uses caches instead, as well as avoiding cloning of the objects in some cases to improve the performance.

SD-8717 (FF-32131) – Soflex transfer problems if mutated vowels (umlaut) in program name**Description**

The Soflex plugin writes data to the resulting output files that are used by the Soflex machine. There is a default encoding for these generated files (possibly UTF-8).

The internal elements text difference also opens file in the suspected encoding level. There is no functionality to change the encoding and see the difference. The internal text file viewer has the same problem as above.

Fix

We are providing a parameter in the Soflex configuration to let the user choose the encoding of the generated files. The available encodings are only ones which are IANA registered and additionally we have BOM with UTF-8 variants. The default would be UTF-8 (should be done with the migration). The encoding selection is also added for internal file comparison and text viewer.

SD-8731 (FF-32149) – Display error with PDF exports of multi-reports with diagram & table**Description**

The chart and table are displayed on one PDF page as designed. The table takes up as much space as it needs, and the chart gets the remaining space on the page.

Fix

The behavior above is configurable: The checkbox "Display chart and transposed table on one PDF page" was added to the multi-report editor to disable the behavior described above. When disabled, the chart and the table will be displayed on separate pages.

SD-8736 (FF-32220) – FFWebservice does not process callbacks until it is restarted**Description**

SocketTimeoutException occurs when sending callbacks to external system.

Fix

Changed the HTTP client from okhttp to java.net. Reduced timeouts to trigger retries earlier and made timeouts configurable via properties.

Several improvements to the callback infrastructure to reduce the overhead and to improve the performance.

SD-8753 (FF-32190) – Dashboard: Drill-down menu does not close when clicking into other elements

Description

The RISC visualizations is a different application. A click inside the visualization is not registered by Vaadin, so the context menu remains open.

Fix

If clicking within the visualization while a drill-down context menu is open, the visualization window will not be opened, but the context menu will be closed first. Afterwards, the button of the visualization can be clicked again to open the window.

SD-8754 , SD-8767 (FF-32224) – Workbench - Operation Management - Edit operation fails

Description

Changes to OP attributes other than material could not be saved unless the material combo was touched once.

Fix

Consider lazy initialization of materials even if no modification is made to the material.

SD-8783 (FF-32227) – Workbench crashes on dev system

Description

PDM Logs opened and then used the navigation bar to move to 'Home'. All the opened PDM Logs were closed one by one in a loop which resulted in an infinite loop. This happened when the view was already closed but the view counter was not correct.

Fix

Break the tabs closing loop if all views are already closed or the size of the opened views does not match the views counter.

SD-8790, SD-8794 (FF-32247) – logback.xml ffruntime - STDOUT/DEBUG

Description

Missing detailed ERP log information because of debug level. STDOUT logging is activated.

Fix

Set erp.upload and erp.download log level to trace. Only messages with INFO level are logged on STDOUT while all levels are written to the log file.

SD-8851, FF-31146 (FF-32294) – Report OEE Development (Workplace) shows incorrect week number in certain time zones

Description

The time zone was applied to the time stamp of the week, which caused a shift to the past day and therefore to the past week.

Fix

Time zone is no longer applied to the time stamp of the week.

SD-8887 (FF-32316) – ffauth is logging into STDOUT log

Description

ffauth logs to stdout tomcat logfile, which does not cycle daily

Fix

Deactivated STDOUT logger when creating distribution.

SD-8892 (FF-32319) – SFT - OperationSelectionActivityStepUI does not show all operations

Description

The step configurations (e.g. direct SQL, workgroup operation) were not considered when creating the operation grid. The issue occurred when Direct SQL is configured to fetch the operation or the configuration to fetch the workgroup operation is enabled.

Fix

The step implementation is now adapted to consider the available configurations (both grid and attribute filter).

Appendix

Abbreviation/Term	Description
CAQ	Computer-aided quality assurance
CFG	Generic preference file format that stores settings and configuration information
DB	Database
ERP	Enterprise Resource Planning
HTTP	Hypertext Transfer Protocol
ms	Millisecond
OCI	Oracle Cloud Infrastructure
OEE	Overall Equipment Effectiveness
okhttp	HTTP client from Square for Java and Android applications
OP	Operation
PDF	Portable Document File
PDM	Production Data Management
RISC	Reduced Instruction Set Computer
SFT	Shopfloor Terminal (terminal at the shopfloor for data collection, operating and interaction with ERP systems)
SQL	Structured Query Language (for managing relational databases)
STDOUT	Standard output
UI	User Interface
UTF	Unicode Transformation Format