# Resolved issues - 8.2.3

**CAST AIP 8.2.3** contains all fixes from the following previous CAST AIP releases:

- 7.3.0 - 7.3.11
- 8.0.0 - 8.0.5
- 8.1.0 - 8.1.2
- 8.2.0 - 8.2.2

The following table lists all bugs fixed in **CAST AIP 8.2.3** and that are not already listed in the **"Bug Fix Lists"** of the above mentioned releases. There are **60** issues listed below. Note that the column "Internal ID" is used only as an internal reference ID.

| Call ID | Technology | Component/s | Features | Situation | Symptoms | Internal ID |
|---------|-----------|-------------|----------|-----------|----------|-------------|
| 5752 | Mainframe - Cobol | CMS Snapshot /Analysis - Run Analyzer | | While looking at the results of a Mainframe Cobol analysis where the Application contains Cobol Nested Programs. | Cobol Nested Programs are detected by CAST AIP as "Unknown Programs". | SCRAIP-24414 |
| 5807 | .NET - C# | CMS Snapshot /Analysis - Run Analyzer | | When looking at the results of an analysis, specifically with regard to the Quality Rule "Avoid types that own disposable fields and are not disposable" (8086). | Brushes are being wrongly flagged as violating the Quality Rule. | SCRAIP-24413 |
| 6568 | N/A | CMS Snapshot /Analysis - Run Copy Paste Metrics Calculation | | When calculating copy /paste metrics and there are duplicate entries in file NaturalMetrics. datatransfer. Duplicate entries can occur when configuration of analysis units has been manually duplicated. | Analysis crashes at the Run Copy/Paste Metrics Calculation with the following error message :The program XMLTODB has not ended correctly - error code 1 | SCRAIP-24412 |
| 6633 | JEE - Java | CMS Snapshot /Analysis | | When attempting to run a JEE analysis. | The analysis is failing with the error "Unable to process JSP analysis". | SCRAIP-24409 |
| 6686 | JEE - Java | CMS Snapshot /Analysis | | When looking at the results of a J2EE analysis. | No link visible in Enlighten between java methods and oracle private synonyms. | SCRAIP-24401 |
| 6742 | .NET - ASP.NET | Application Analytics Dashboard (AAD) | | When upgrading from 7.3. x to 8.x with Applications containing .NET technology. | After the upgrade, the CAST Application Analytics Dashboard displays two distinct technologies, one called ".NET" and one called ".Net". | SCRAIP-24410 |
| 6743 | N/A | CAST Engineering Dashboard | | When looking at corrected violations in the Action Plan in the CAST Engineering Dashboard. | The source code viewer does not highlight anything since the code of the violation has been fixed. | SCRAIP-24407 |
| 6828 | Mainframe - Cobol | CAST Engineering Dashboard | | When using the CAST Engineering Dashboard. | The dashboard performs extremely slowly. | SCRAIP-24411 |
| 6868 | SQL - T-SQL ASE | CMS Snapshot /Analysis | | When attempting to analyze a Sybase database. | The analysis fails with ERROR: null value in column "parameter_name" violates not-null constraint. | SCRAIP-24639 |
| 6895; 7779 | .NET - C# | CAST Engineering Dashboard | | When comparing the results of a .NET analysis executed in AIP 7.3.x, which was then upgraded to CAST AIP 8.2.x and re-analyzed (no change in source code). | The "Total CC" (Cyclomatic Complexity value for all artifacts) is lower in CAST AIP 8.2.x then in 7.3.x. | SCRAIP-24638 |
| 6941 | SQL - T-SQL MS | CAST Engineering Dashboard | | When looking at the results of a TSQL analysis. | Violations to the Quality Rule "Avoid SQL queries that no index can support" are reported while indexes covering the queries exist. | SCRAIP-24408 |
| 6951 | JEE - Java | CMS Snapshot /Analysis - Compute Dependency Dataset | | When attempting to analyze a JEE application. | The J2EE analysis starts and crashes with error message: "Analysis has not ended correctly - Error code -1073740791)". | SCRAIP-24637 |
| 6989 | N/A | Delivery Manager Tool - Package Extraction | | In the CAST Delivery Manager Tool, when using the "Advanced Extraction Settings" under "Package Configuration". | Selecting a parent folder will not tick its subfolders, however the files under the sub folders get extracted successfully as expected. | SCRAIP-24406 |
| 7051 | N/A | Application Engineering Dashboard (AED) | | When using the CAST Application Engineering Dashboard as follows:<br><br>1. Generate snapshot V1<br>2. Generate snapshot V2<br>3. Generate snapshot V3<br>3. Delete snapshot V1 | No source code is displayed for any violation. | SCRAIP-24400 |

| 7066 | All Technologies | Server Manager - Update database | | When running an upgrade. | Custom Functions / Stored Procedures are always reset / overwritten with standard Functions when upgrading the CAST databases. For instance tcc_fp_usr_df_delete_rule, but also FP_filter_datadunction and FP_filter_transaction. | SCRAIP-24405 |
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| 7080 | .NET - C# | CMS Application - User Defined Modules | | When comparing the results of two snapshots (V1 and V2) and having split one single .NET module from V1 into three separate .NET modules in V2 (Module1+Module2+Module3 for unassigned objects). | The Unassigned objects content module is empty when we expect it to contain objects. | SCRAIP-24404 |
| 7175 | N/A | Application Analytics Dashboard (AAD) | | When attempting to consolidate a large number of Applications for the CAST Application Analytics Dashboard. | Even though 98% of the Applications already exist and are skipped by the consolidation process, it still takes far too long. | SCRAIP-24403 |
| 7198 | Mainframe - Cobol | CAST Engineering Dashboard | | When looking at the results of a Mainframe Cobol analysis. | The Quality Rule "Check alphanumeric data before moving it into numeric data" is falsely violated when the syntax "pic x(01)" is used and "x" is written in lowercase. | SCRAIP-24402 |
| 7304 | N/A | CMS Infrastructure /Services - Review Dynamic Links | | When using the Dynamic Link Manager via the CLI with a dlm.xml file that contains a rule with the regular expression "CalleeFullName". | When using the "CalleeFullName" regular expression, the links are not ignored. When removing this regular expression the links are ignored. | SCRAIP-22339 |
| 7409 | ABAP | CMS Snapshot /Analysis | | When attempting to run a SAP/ABAP analysis. | The analysis crashes with the error "duplicate key value violated unique constraint pk_objdsc". | SCRAIP-24636 |
| 7421,7658 | N/A | CAST Engineering Dashboard | | When looking at the Risk Indicators - Transaction Level (FRAME_PORTAL_TRANSACTION_VIEW) view in the CAST Engineering Dashboard. | No TWI items are ever displayed in the list. | SCRAIP-22724 |
| 7460; 7494 | JEE - Java | Delivery Manager Tool - Projects Discovery | | When attempting to run a packaging action in the CAST Delivery Manager Tool when the pom.xml contains ${webappDirectory}. | The packaging fails with an error: "An error has occurred during command processing java.util.regex.PatternSyntaxException:Illegal repetition near index 0 ${webappDirectory}/(?i:.*\.xml)$". | SCRAIP-22794 |
| 7472 | JEE - Java | CMS Infrastructure /Services - Review Dynamic Links | | When attempting to use the Dynamic Links Manager with a rules file via the CLI. | The CLI fails with the following message: ERROR DynamicLinks main - Loading failed: System.Data.EntityCommandExecutionException: An error occurred while executing the command definition. See the inner exception for details. ---> Npgsql.NpgsqlException: A timeout has occured. If you were establishing a connection, increase Timeout value in ConnectionString. If you were executing a command, increase the CommandTimeout value in ConnectionString or in your NpgsqlCommand object. | SCRAIP-22748 |
| 7507 | N/A | Delivery Manager Tool - Package Extraction | | When attempting to use the CAST Database Extraction Renaming Tool to rename a database instance where the destination extraction folder contains subfolders. | The renaming fails. | SCRAIP-24635 |
| 7513; 7596 | ABAP | CMS Snapshot /Analysis | | When attempting to analyze an ABAP application. | The analysis log shows warnings for syntax errors in ABAP files. | SCRAIP-24634 |
| 7548 | JEE - Java | CMS Snapshot /Analysis | | When attempting to run a JEE analysis. | The analysis fails with the error: "Unable to process JSP analysis" | SCRAIP-24399 |
| 7559 | N/A | CMS Application - User Defined Modules | | When attempting to use the built in "Unassigned Objects Content" module. | The module contains ALL objects, rather than just those that are not assigned to any other User Defined Module. | SCRAIP-24631 |
| 7607 | N/A | CMS Analysis Unit | | When packaging a JEE application using the standard built-in "Eclipse" discoverer. | After accepting and setting the version as current version, the Web.xml file is not discovered by CMS. This is supposed to be picked up automatically.

In fact, this is a difference of behavior between the Eclipse discoverer, which correctly set up the Web Application descriptor, and the Maven discoverer, which does not. | SCRAIP-23015 |
| 7647 | JEE - Java | CMS Snapshot /Analysis - Run Analyzer | | When comparing the results of a JEE Struts analysis that has been upgraded from CAST AIP 7.3.x to CAST AIP 8.x. | There is a difference in the number of objects saved in the CAST Analysis Service after the upgrade to 8.x and the generation of a new snapshot. | SCRAIP-24632 |
| 7731 | JEE - Java | CMS Snapshot /Analysis - Run Analyzer | | When attempting to run a JEE analysis including Struts. | Links between JavaScript client side functions and struts action mapping are missing. | SCRAIP-23365 |
| 7735 | Universal | | | When source code analyzed by PHP and HTML5/JavaScript extensions is defined in the same Analysis Unit. | There is a warning to state that the HTML5 plugin is not found. | SCRAIP-24629 |

| 7784 | JEE - Java | CMS Snapshot /Analysis | | When attempting to analyze a JEE application including Struts where the Struts files are defined in web.xml rather than by a naming convention. | Only some of the struts config files are saved to the Analysis Service database and no child struts files are saved. | SCRAIP-23513 |
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| 7820 | N/A | CAST Engineering Dashboard | | When using the Action Plan page in the CAST Engineering Dashboard. | The first column heading is titled "Act./Excl.". The word "Excl." should be removed as the column does not display excluded violations. | SCRAIP-23442 |
| 7823 | SQL - PL/SQL | CMS Snapshot /Analysis | | When attempting to analyze an Oracle PL /SQL schema. | The analysis fails with syntax errors on unsupported syntax (PIVOT /UNPIVOT/LISTAGG). | SCRAIP-24630 |
| 7860 | SQL - PL/SQL | CMS Snapshot /Analysis - Run Analyzer | | When attempting to run an analysis containing PL /SQL source code. | - Analysis completed with Warnings in the given DB Analysis unit.<br><br>- Observed 18 Warning messages on Syntax Errors and on Metric Assistant.<br><br>The errors are like -<br># Syntax error found in 'S:\Sources\DB\Analyzed\41/PB.14.src'<br><br># [MAv2] Invalid visitor node. CAST_ANSISQL_ExternalObject does not supports category CAST_AST_Node. (ParentNodeType=CAST_AST_ANSISQL_SubqueryColumn) | SCRAIP-23297 |
| 7880 | Power Builder | CMS Snapshot /Analysis - Run Analyzer | | When attempting to analyze a PowerBuilder application. | The analysis fails with the following message: "Warning : Error while retrieving information about a PB library, bad library name" due to a missing forward slash in a .CAST generated file. | SCRAIP-23519 |
| 7946 | All Technologies | CMS Application | | When using the CAST Management Studio. | A NullPointerException seems to randomly occur when adding a new version, or adding a new analysis unit, running an analysis, synchronizing, accepting delivery etc. | SCRAIP-24398 |
| 7980 | .NET - C# | CMS Snapshot /Analysis - Run Data Flow Security Analysis | | When attempting to analyze a .NET application. | The analysis is crashing during the User Input Security (i.e. dataflow security) step with an XMLTODB error: "System. UnauthorizedAccessException: Access to the path 'C:\Program Files\CAST\8.2\castil-system.xml' is denied. " | SCRAIP-23669 |
| 8054 | ABAP | Application Engineering Dashboard (AED) | | When using the "Find" option in the Transaction Investigation view in the CAST Application Engineering Dashboard. | A set of results are returned by the "Find" option, but more are not readily available until you keep clicking on "show more". | SCRAIP-24060 |
| 8063 | ABAP | CMS Snapshot /Analysis | | When looking at the results of a SAP/ABAP analysis where the code contains the generic transactions START_REPORT and SE16. | There are no links between transactions and ABAP programs with regard to the START_REPORT transaction and no links between transactions and the database view or table with regard to the SE16 transaction. | SCRAIP-23946 |
| 8073 | N/A | CAST Update Tool (CUT) | | When attempting to upgrade to a new release of CAST AIP. | The central schema upgrade fails with the error "SQL Error: ERROR: duplicate key value violates unique constraint "wk_tcc_correct_tr_pk"." | SCRAIP-23961 |
| 8079 | JEE - Java | CMS Snapshot /Analysis - Run Analyzer | | When running a JEE analysis and snapshot. | The analysis/snapshot runs for a very long time and seems to be stuck on the Quality Rule "Avoid indirect String concatenation inside loops" with the procedure "DIA_JAVA_StrConCatInLoop". | SCRAIP-23972 |
| 8126 | N/A | Application Analytics Dashboard (AAD) | | When looking at the results of an analysis in the CAST Application Analysis Dashboard. | The technical criterion "Architecture - OS and Platform Independence" is always incorrectly calculated as 1. | SCRAIP-24064 |
| 8130 | JEE - JSP | CMS Snapshot /Analysis - Run Analyzer | | When looking at the results of a JEE analysis where JavaScript files are included in JSP files using the scriptlet "<%=..%>". | JavaScript method calls inside the included JavaScript files are not detected by the analyzer. | SCRAIP-24026 |
| 8131 | SQL - PL/SQL | CMS Snapshot /Analysis | | When attempting to run a snapshot containing PL /SQL source code. | The snapshot fails with: ERROR: null value in column "description" violates not-null constraint . | SCRAIP-24085 |
| 8230 | VB | CMS Snapshot /Analysis - Run Analyzer | | When attempting to run a VB analysis. | The analysis fails with the errors:<br><br>- VB6 analysis failed with the following error: %1 is not a valid Win32 application<br>- Failed to connect on local database - connection profile may be badly configured | SCRAIP-24010 |
| 8231 | VB | CAST Engineering Dashboard | | When looking at the results of an Application analysis. | Some objects are not violating Quality Rules when they should. | SCRAIP-24606 |
| 8258 | All Technologies | CMS Infrastructure /Services - Review Dynamic Links | | When attempting to process Dynamic Links with a Dynamic Link rule. | The Dynamic link Rules is failing with the following error :<br><br>Loading failed: System.Reflection.TargetInvocationException: Exception has been thrown by the target of an invocation. ---> System.Data. ProviderIncompatibleException: An error occurred while getting provider information from the database. This can be caused by Entity Framework using an incorrect connection string. Check the inner exceptions for details and ensure that the connection string is correct. ---> System.Data. ProviderIncompatibleException: The provider did not return a ProviderManifestToken string. ---> Npgsql.NpgsqlException: FATAL: 53300: sorry, too many clients already<br>  at Npgsql.NpgsqlState.<ProcessBackendResponses_Ver_3>d__9. MoveNext() | SCRAIP-24179 |

| 8266 | JEE - JSP | CMS Snapshot /Analysis - Run Analyzer | | When attempting to use the Text Replacement feature available for JEE analyses. | The Text Replacement feature does not work as expected. | SCRAIP-24134 |
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| 8307 | JEE - Java | Analysis Manager - DLM | | Attempting to run dynamic links rule post an upgrade from 8.1.x to 8.2.x. | The rule does not process any links and reports that there are "0 links to be reviewed." | SCRAIP-24467 |
| 8313 | N/A | Delivery Manager Tool | | When attempting to package database schemas (in UAX format) with the CAST Delivery Manager Tool. | The packaging succeeds, but contains many warnings. | SCRAIP-24551 |
| 8326 | N/A | CAST Engineering Dashboard | | When looking at the results of post upgrade snapshot. | There is a large increase in the number of violations for the Quality Rules: "Avoid direct access to Database Tables" - 7914 and "Data Access must be based on Stored Procedure Calls" - 3616. | SCRAIP-24668 |
| 8365; 7971 | SQL - PL/SQL | CMS Snapshot /Analysis | | When attempting to analyze an Oracle PL /SQL schema. | The analysis fails with syntax errors on unsupported syntax (PIVOT /UNPIVOT/LISTAGG). | SCRAIP-24681 |
| 8398 | JEE - Java | CMS Snapshot /Analysis | | When attempting to analyze a JEE application containining Hibernate /JPA. | Some @NamedQueries embedded in a container annotations, e.g.: @NamedQueries({..}) are not being detected by the analyzer. | SCRAIP-24671 |
| | | | | When attempting to run a BusinessObjects analysis. | The analysis fails with the error "Error while analyzing Universes". | SCRAIP-23789 |
| | | | | When looking at the results of a JEE/SQL analysis with regard to the Quality Rule "Avoid using SQL queries inside a loop" (7424). | Violations are expected for the class simpleJDBCTemplate, but none are reported (false negative). This is due to:<br><br>- The Spring Framework 3.0 does not have the parametrized method update for org.springframework.jdbc.core.simple.SimpleJdbcTemplate. update. So, the Inference Engine is not able to identify the SQL queries.<br>- The query is defined in a static field and so, the method write is not considered as a SQL Artifact which is the scope of this Quality rule. | SCRAIP-23892 |
| | N/A | | | When using the CAST Transaction Configuration Center (TCC). | TCC UI shows duplicate TF/DF after a sequence of merge-split-undo. | SCRAIP-24520 |
| | N/A | | | When looking at the EFP Quality Rule with the ID "10340". | The name used in the documentation part of the Assessment Model (loaded from SPECDocumentation.xml) is not consistent with the metric name.<br><br>Instead of "Enhanced Automated Function Points Total" we can see "Automated Function Points total". | SCRAIP-24584 |
| | N/A | | | When analyzing a JEE maven project, with Analysis Units that depend on other Analysis Units (for example AU1 > AU2 > AU3 representing Class A, Class B, Class C) | Class C is not linked via Class B to Class A, when it should be. | SCRAIP-24618 |
| | N/A | | | When looking at the CMS /TCC logs with regard to badly calibrated Data Functions/Transactional Functions and the show repair report. | It is not possible to view the relevant Application name or ID. | SCRAIP-24675 |