

Resolved issues - 8.2.7

CAST AIP 8.2.7 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 - 8.1.6
- 8.2.0 - 8.2.6

The following table lists all bugs fixed in **CAST AIP 8.2.7** and that are not already listed in the "**Bug Fix Lists**" of the above mentioned releases. There are **53** 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
10002	N/A	Enlighten		When using the "Find Objects in Browser" feature in CAST Enlighten.	Special characters are displayed instead of Chinese characters.	SCRAIP-28668
10027	N/A	CAST Engineering Dashboard		When looking at the CAST Engineering Dashboard.	A non existent module called "FullContent" (which does not exist in Analysis/Management Service schemas) is visible in the dashboard. This occurs when a Function Module no longer exists and has been replaced with another.	SCRAIP-28669
10052	Mainframe - CICS Mainframe - Cobol Mainframe - IMS Mainframe - JCL	CAST Engineering Dashboard		When looking at the results of a Mainframe analysis with regard to the Quality Rule "Never truncate data in MOVE statements - 7688".	The bookmarks placed in the source code for violations are incorrect.	SCRAIP-28687
10059	JEE - Java	Delivery Manager Tool		Eclipse projects created on top of Maven projects using the eclipse-plugin are not correctly handled by the Eclipse discoverer, when OSGI "Export-Package:" section specifies some x-friends	Discovered Eclipse projects are lacking some dependencies towards JARs, the corresponding analysis log displays a lot of warnings	SCRAIP-29390
10072	N/A	CMS Infrastructure /Services		When working with a "triplet" that contains at least one snapshot: In CMS remove the Dashboard Service schema from the list of Dashboard Services, then re-add the same Dashboard Service schema. Select the Dashboard Service schemas and click Synchronize.	All snapshots are deleted.	SCRAIP-28680
10137	JEE - Java	CAST Engineering Dashboard		When looking at the results of the Quality Rule: Provide accessors to Private Fields - 4576.	False violations are reported.	SCRAIP-28840
10151	N/A	CMS Snapshot /Analysis - Compute Snapshot				SCRAIP-28859
10163; 10222; 10220	JEE - Java	Delivery Manager Tool - Projects Discovery		The Maven resource discoverer incorrectly discovers Maven resources, even if the associated JAR is missing	The discoverer silently discovers the required resource, but the validation step emits alerts for the missing JAR	SCRAIP-29230
10165	N/A	CMS Snapshot /Analysis - Compute Snapshot		When attempting to generate a snapshot.	The snapshot gets "stuck" in the Compute Snapshot step on "DIA_JAVA_STRCONCATINLOOP".	SCRAIP-28891
10186	JEE - Java	Delivery Manager Tool - Projects Discovery		The Maven projects discoverer is not able to set the web application directory for a Maven project using the maven-war-plugin plugin.	The corresponding directory is not available, therefore, the validation step may emit alerts on this missing directory.	SCRAIP-29229
10189	All Technologies	CAST Update Tool (CUT)		When upgrading to a new release of CAST AIP.	The Assessment Model is duplicated by the number of Applications that exist in the upgraded Management Service schema (3 applications = 3 identical Assessment Models).	SCRAIP-28918
10221	N/A	CMS Snapshot /Analysis		After upgrading and attempting to run a new analysis.	The analysis fails with SQL Error: duplicate key value violates unique constraint 'idx1_cooobject'.	SCRAIP-28984
10234	JEE - Java	Delivery Manager Tool - Projects Discovery		The Maven projects discoverer handles incorrectly the identity of a POM parent, when this one is expected to be retrieved through its location (<relativePath> tag), rather than through its artifact ID.	The POM parent is not retrieved by the Maven projects discoverer, and a warning is emitted during the discovery phase.	SCRAIP-29228
7493	Mainframe - Cobol SQL - SQL-PSM z/OS	CAST Engineering Dashboard		When looking at the results for the following Quality Rules after a DB2 zOS analysis: Rule 1: Avoid SQL queries on XXL tables that no index can support and Rule 2: Avoid SQL queries on XXL tables not using the first column of a composite index in the WHERE clause.	There are false positives for both Quality Rules even though the source code respects the conditions of the rules.	SCRAIP-29442
7604	Oracle Forms Oracle Reports	CMS Snapshot /Analysis - Check Modules		When attempting to create user defined modules based on the real path of Oracle Forms object names (FMB, PLL etc.).	Module creation based on real path of Oracle Forms object names (FMB, PLL etc.) does not work.	SCRAIP-29440

7732	Mainframe - Cobol	CAST Engineering Dashboard		When analyzing Mainframe Cobol and looking at the violations returned by the Quality Rule "Avoid unchecked return code (SQLCODE) after EXEC SQL query".	A violation is expected because the code contains an EXEC SQL SELECT statement and after the END-EXEC, it is the end of the paragraph.	SCRAIP-29443
8136	N/A	Application Analytics Dashboard (AAD)		When looking at the EFF 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. Instead of "Enhanced Automated Function Points Total" we can see "Automated Function Points total".	SCRAIP-29439
8156	N/A	CMS Analysis Unit		When looking at a JEE Analysis Unit in the CAST Management Studio with regard to the XML files listed for analysis.	XML files that are referenced in the parent .POM xml file are not listed for analysis.	SCRAIP-29441
8189	JEE - Java			When looking at the results of the Quality Rule "Avoid hardcoded network resource name" - 8102.	No violation is reported for the IP address that is hard coded in the source file.	SCRAIP-29438
8532	JEE - Java	CMS Analysis Unit		When using remediating alerts produced by the CAST Delivery Manager Tool when packaging JEE source code.	The JAR files that fix the DMT alerts are correctly added to the project, however, these JAR files are not explicitly referenced in the corresponding JEE Analysis Unit (classpath section) in the CAST Management Studio.	SCRAIP-29444
8696	N/A	CAST Engineering Dashboard		When using the 'export to CSV function' in the legacy CAST Engineering Dashboard.	If an object has a comma in its name, then the object is incorrectly spread over multiple columns in the CVS file.	SCRAIP-29436
8697	JEE - Java	CMS Snapshot /Analysis - Compute Snapshot		When attempting to run a snapshot.	The snapshot has been running very a very long time on the "Compute Snapshot" step. No logs observed.	SCRAIP-29437
8870	JEE - Java	CAST Engineering Dashboard		When looking at the results of the Quality Rule "Avoid directly instantiating a Class used as a managed bean" - 7964.	Results are very inconsistent - there are no violations reported but the computing details show "failed checks" and the grade is set to 2.36.	SCRAIP-29435
9069	ABAP	CMS Snapshot /Analysis		When running an ABAP analysis that includes the HANA checklist tool (ZBW_HANA_CHECKLIST.abap)	Analysis time significantly increases (from minutes to several hours).	SCRAIP-29434
9072	All Technologies	CMS Application		When configuring a Refined Target in the CAST Management Studio.	When setting as current version, if the previous version had a Reference Finder dependency with a Refined target, the default dependency is removed.	SCRAIP-26577
9091; 10085	SQL - PL/SQL	CMS Snapshot /Analysis		When CAST AIP schemas are hosted on Oracle Server.	Performance issues for all aspects of CAST AIP work due to use of OPTIMIZER_MODE = RULE.	SCRAIP-29433
9092	N/A	Application Analytics Dashboard (AAD)		When a snapshot is removed from an application that contains more than one snapshot.	The entire application disappears from AAD.	SCRAIP-29429
9159	N/A	Action Plan Optimizer (BETA)		When looking at analysis results in the CAST Action Plan Optimizer (APO).	There is a difference (when first opening the APO) between the "original" and "simulated" grades, when they should be identical. This is due to an error in the way that the Complexity Volume (% of LoC) measure is calculated when Full Application consolidation mode is in operation.	SCRAIP-29432
9193	SQL - PL/SQL	CMS Snapshot /Analysis		When looking at the results of an PL/SQL analysis.	There are links missing between Oracle tables and packages due to syntax error encountered on the keyword "RESULT_CACHE".	SCRAIP-29431
9240	ABAP	CMS Snapshot /Analysis		When looking at the results of an ABAP analysis.	There are syntax errors reported on the following syntax: - WRITE ... STYLE - DURATION	SCRAIP-29430
9243		CAST Discovery Portal		When using the Discovery Portal.	Information about things like Indexes, Primary Keys and Foreign Keys are not displayed.	SCRAIP-26638
9275	ABAP	CMS Snapshot /Analysis		When looking at the log for a SAP/ABAP analysis.	The log contains many warnings similar to "Cannot find table XXXXXX", which gives a bad impression.	SCRAIP-29428
9321; 9716	ABAP	CAST Engineering Dashboard		When looking at the results of the Quality Rule "Avoid using hardcoded paths" - 7526.	A false positive violation has been recorded for the syntax "mime_type = 'application/octet-stream'".	SCRAIP-29426
9345	JEE - Java	CMS Snapshot /Analysis		When attempting to analyze a JEE application with CAST AIP schemas hosted on Oracle Server.	The "Computer Dependency Dataset" step takes too long and then fails with an Oracle error "ORA-01652".	SCRAIP-29427
9393	All Technologies	CMS Application - User Defined Modules		When using the "Unassigned Module" option.	The total number of Lines of Code (LOC) reported for all the objects in the Unassigned Module is exactly double the real life value.	SCRAIP-28604
9459	JEE - Java	CMS Snapshot /Analysis - Run Metrics Calculation		When attempting to run a JEE analysis.	The "Metrics Assistant" step it is giving an error "[Mav2] Internal error" and metrics are not calculated.	SCRAIP-29425
9476	Mainframe - Cobol	CMS Snapshot /Analysis - Run Analyzer		When looking at the results of a Mainframe analysis with regard to the Quality Rule "Never truncate data in MOVE statements - 7688".	There are false violations of the Quality Rule for situations where the source and target storage limit are identical.	SCRAIP-28508
9540	Mainframe - Cobol	CAST Engineering Dashboard		When looking at the results of a Mainframe analysis with regard to the Quality Rule "Never truncate data in MOVE statements - 7688".	There are false violations of the Quality Rule for situations where the MOVE statement involves a reserved word such as WHEN-COMPILED.	SCRAIP-27719

9555	N/A	CMS Snapshot /Analysis		When using the CAST Management Studio.	The local "synchronization" step can sometimes take many hours when manipulating large Applications containing many Analysis Units/objects.	SCRAIP-27396
9557	JEE - Java	CMS Snapshot /Analysis - Run Analyzer		When attempting to run a JEE analysis.	The analysis succeeds, but the log contains messages such as "The execution of cast script has failed".	SCRAIP-27397
9574, 9704	JEE - Java	CMS Snapshot /Analysis		When using the CAST-MS-CLI.exe tool to generate a snapshot.	It is possible to enter seconds into the "Capture Date" parameter, which means that it is possible for older snapshots to have a capture date later than newer snapshots.	SCRAIP-27544
9646	RPG	CMS Snapshot /Analysis - Run Metrics Calculation		When looking at the results of an RPG analysis with regard to the Quality Rule "Avoid using NOT IN (RPG400)".	Violations that were present in previous releases of CAST AIP are now missing post upgrade.	SCRAIP-27847
9647	RPG			When looking at the results of an RPG analysis with regard to the Quality Rule "Avoid using NOT EXISTS (RPG400)".	Violations that were present in previous releases of CAST AIP are now missing post upgrade.	SCRAIP-27848
9659	N/A	CAST Engineering Dashboard		When using the CAST Engineering Dashboard in the FRAME_PORTAL_EFP_VIEW view.	The view shows "Automated Function Points" = 0 in the upper left quadrant "Function Points Estimation" (indicating there are no changes), however clicking on the 0 drills down and shows many deleted Function Points.	SCRAIP-27631
9788	.NET - C#	CMS Application		When attempting to create a Custom Dependency using a Reference Pattern.	The Regular Expression used in the Reference Pattern works when tested in the CAST Management Studio, however, the expected links are not generated during the analysis.	SCRAIP-27988
9861	N/A	Transaction Configuration Center (TCC)		When using the CAST Transaction Configuration Center after having modified the Analysis Service schema (for example with a "KB Update" job).	The CAST Transaction Configuration Center does not indicate to users that a "compute" action is required to get the results up-to-date.	SCRAIP-28340
9871	Mainframe - Cobol	CAST Engineering Dashboard		When looking at the results of a Mainframe Cobol analysis where the analysis is configured with COB files delivered as source code and the CPY files delivered via a Working Folder.	A violation is reported of the Quality Rule "Avoid using ALTER - 5062", however, no source is displayed in the CAST Engineering Dashboard which shows this violation.	SCRAIP-28339
9878	N/A	Transaction Configuration Center (TCC)		When using the CAST Transaction Configuration Center.	Clicking the "Enhancement" node provokes an error "Error during evolution loading: Internal exception: NullPointerException". Clicking OK clears the message but the results shown are inaccurate.	SCRAIP-28311
9887; 10293	N/A	Delivery Manager Tool		When using the CAST Delivery Manager Tool.	At the end of a packaging action, when all the tasks are completed, the OK button remains disabled for a very long time.	SCRAIP-28507
9901; 10283	Universal	CMS Snapshot /Analysis - Compute Snapshot				SCRAIP-27714
9903	Mainframe - JCL	CMS Snapshot /Analysis		When looking at the results of a Mainframe analysis.	A Cobol program referenced in JCL files is missing from source code and there is a "Cannot resolve Cobol program" warning in analysis log - an Unknown\Programs object is not created when it should be.	SCRAIP-28251
9965	JEE - Java	CMS Snapshot /Analysis - Run Analyzer		When packaging pom.xml that is badly configured.	Packaging log gives warning messages instead of errors and the packaging succeeds (it should fail).	SCRAIP-28413
	All Technologies			Analyzing an application made of 2 (or more) technologies. E.g. C++ and PHP And source code of different technologies shares a common parent folder. E.g.: -- C:\Sources\CPP -- C:\Sources\PHP Note: For each folder in the source code path, AIP creates a "Directory" object. Directory objects have specific types, such as "C++ Directory" or "UA Directory" (PHP is analyzed with the Universal Analyzer, UA).	Following quality rules can report less violations than expected: -- .NET: Consistent File full name and directory structure (DIAG_SCOPE_ASPBEST008) -- .NET: Index pages and global.asa location in the root directory (DIAG_SCOPE_ASPBEST009) -- C++: Count of Objects likely to use structures (DIAG_CPP_ANA_USING_STR_TOTAL) In Enlighten and in Development view of CAST Engineering Dashboard (CED): Only a single Directory object is created for the parent folder. The type of the Directory object for the parent folder depends on the analysis order of the technologies. The Directory object takes the type of the first technology analyzed within the application. Expected are as many Directory objects as there are different technologies underneath the parent folder, each having the type of the respective technology. For the example given in "Situation", 3 Directory objects are created: -- A "C++ Directory" for "Sources" folder (if C++ is analyzed before PHP, otherwise it will be a "UA Directory") -- A "C++ Directory" for "CPP" folder -- A "UA Directory" for "PHP" folder Expected are: -- A "C++ Directory" for "Sources" folder -- A "UA Directory" for "Sources" folder -- A "C++ Directory" for "CPP" folder -- A "UA Directory" for "PHP" folder	SCRAIP-2858