# Resolved issues - 8.2.1

**CAST AIP 8.2.1** contains all fixes from the following previous CAST AIP releases:

- 7.3.0 - 7.3.10
- 8.0.0 - 8.0.4
- 8.1.0 - 8.1.1
- 8.2.0

The following table lists all bugs fixed in **CAST AIP 8.2.1** and that are not already listed in the **"Bug Fix Lists"** of the above mentioned releases. There are **10** 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 |
|---------|-----------|-------------|----------|-----------|----------|-------------|
| 3641 | Mainframe - Cobol | CMS Snapshot /Analysis | | When looking at the results of a Mainframe - Cobol analysis. | There are false violations of the Quality Rule "Variables defined in Working-Storage section must be initialized before to be read - 8034". When variables are defined in lower level, CAST AIP doesn't see the "INITIALIZE". | SCRAIP-14010 |
| 5780 | SQL - PL/SQL | CMS Snapshot /Analysis | | When looking at the results of an analysis in CAST Enlighten. | The Code Viewer shows source code which has nothing to do with the selected object. | SCRAIP-22177 |
| | N/A | | | When looking at the results of a JEE analysis that contains Hibernate and JPA. | In a JEE application when one Hibernate entity is persisted in the database using one method of the JPA API no link is created. This happens because there was an assumption made in the analyzer that Hibernate entities should only be managed by Hibernate API and JPA entity by JPA API. This assumption is wrong. | SCRAIP-22498 |
| | N/A | | | When analyzing HTML /JavaScript with the out of the box JEE analyzer AND when a HTML5/JavaScript based extension is also installed. | Duplicate objects may be created and therefore an option has been added to CMS to prevent the out of the box JEE analyzer analyzeing HTML and JavaScript files. Backport of work initially planned for 8.3.0. | SCRAIP-22676 |
| 7560 | N/A | AI Center Portal | | When using the CAST AIC Portal and clicking the link to AppMarq. | You are redirected to a 404 error page. | SCRAIP-22902 |
| | | | | When attempting to run an Oracle Forms Reports analysis. | The analysis log contains many syntax errors for rdf.rex files. | SCRAIP-23393 |
| | | | | When attempting to run an Oracle PL/SQL analysis. | The log contains many instances of the following error: <br><br> Internal exception occurred during processing listener PLSQLActionsImpl::PLSQLResolutionVisitsAction::walkTree on instance CAST_Oracle_PackageBody #63842 defined in {CAST_TargetSourceFile #63844 of path 'S:\Sources\DB\OracleSCM\Analyzed\DB_APPS\28/PB.422.src' of name 'S:\Sources\DB\OracleSCM\Analyzed\DB_APPS\28/PB.422.src' of full-name 'S:\Sources\DB\OracleSCM\Analyzed\DB_APPS\28/PB.422.src'} <br><br> at line 1 at col 1 : access violation <br><br> [MAv2] Invalid visitor node. CAST_ANSISQL_ExternalObject does not supports category CAST_AST_Node. (ParentNodeType=CAST_AST_ANSISQL_SubqueryColumn) | SCRAIP-23394 |
| | | | | When attempting to run an Oracle PL/SQL analysis. | Analysis failed with message "null value in column "name_id" violates not-null constraint." | SCRAIP-23395 |
| | | | | When looking at the results of an Oracle Forms and Reports analysis. | Objects in the analysis are showing as "updated" when the original source .RDF file has been converted to .REX twice. Conceptual information is being taken into account in the checksum algorithm that is used by CAST AIP to determine if an object has changed between two successive analyses. | SCRAIP-23396 |
| | | | | Analyse an Oracle Forms application with two SQL extraction packages. | Missing link between the an Oracle Forms function Q1 and an unknown SQL Object. | SCRAIP-23397 |