



## **Enterprise Analyzer 3.4**

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A decorative graphic consisting of several overlapping, wavy, blue lines that create a sense of motion and depth. The lines are in various shades of blue, from dark to light, and are set against a light blue gradient background.

**Release Notes**

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## **Enterprise Analyzer Release Notes – Version 3.4**

These release notes contain a summary of major features of Enterprise Analyzer Version 3.4.00, as well as late-breaking information about the product.

Before using Enterprise Analyzer, please read the Getting Started manual that is installed with the product, to gain an understanding of the user interface and tool metaphor. For more detail on the behavior, usage and limitations of Enterprise Analyzer, please refer to the online help and additional user manuals.

### **What's New**

#### **Enterprise Analyzer Product Enhancements**

Enterprise Analyzer product enhancements are organized by themes below, including better time to value from installation to productive use, portability assessment for application migrations, quality assessment, extensibility and developer support. A number of enhancements have also been made to the Business Rule Manager and Enterprise View products, offered as optional addins to Enterprise Analyzer.

#### ***Time to Value – Setup and Initial Display***

##### **Quick Inventory**

This allows the user to add JCL's or PCT's to the workspace, and, when verifying, EA will gather all the JCL procedures and programs used by the JCL as well as copybooks used by those programs. This will save time by targeting the analysis using the JCL or PCT as starting points rather than loading the entire source inventory.

The search path for Quick Inventory is located in Project options / Quick Inventory.

##### **Menu options - Basic and Advanced**

The default product menus have been changed to leave just the most common options visible and hide most of the others in "advanced" mode, shown by expanding the menu. The default menu is named "simplified" and the former is named "classic" – and it is possible to revert back to classic menus with a new option in the User Preferences.

##### **Search Assistant**

The configuration of content available in Search Assistant has been externalized so that the addition of a new search type is easier (can be done by an experienced consultant or by request to development).

##### **Project Filtering in Repository Browser**

A new project filtering feature has been added to display only the projects in the Browser that match a search string. The new project filter field has been added next to the project selection box in the main window. This includes persistence of previous searches (after exiting and re-entering the product) and support of wildcard and regular expression searches.

## **Diagrammer**

The Diagrammer user interface has been improved to make it easier and quicker to generate a diagram. A scope is now selected by default, and the 'Build Diagram' button has been made more prominent with a clear selection for a project or entity-based diagram.

## **Tag Manager**

When launching a query based with "all types" selected in the Object Types pane, a question dialog is displayed asking whether the user wants to run a long running query or not. In a large repository, this enables the user to reduce the search to a given object type prior to execution.

## **Protected projects**

Greater flexibility is now built into the management of Projects.

A non-master user that is not the owner of a shared, unprotected Project will be able to include or exclude objects to and from the project, but s/he will not be able to delete the Project.

Previously, non-master users and non-owners of shared Projects were not able to include/exclude objects from the Project.

## **JCL Parsing Performance**

A performance improvement of approximately 20% has been measured for JCL parsing.

## **Practical Guides**

New Practical Guide Videos have been recorded and are available as separately downloadable files.

The topics included are:

- > Registration and Verification
- > Decision Resolution
- > IMS Analysis
- > Architecture Modeler

## ***Portability Assessment***

Portability Assessment, introduced in V3.3, has been enhanced to improve the end user experience, including:

- > Inventory Charts are added to the first page of the Portability Assessment report (requires Adobe Flash)
- > Apply different stylesheet to detail reports
- > Include description of the report in detailed page and change the title to the name of the report
- > Report descriptions are included in the list of reports and again in the detailed report
- > Unsupported CICS queries are identified in Portability Assessment , synchronized with the Enterprise Server documentation.

## ***Quality Assessment***

Quality Assessment has been added as a new menu item under "Reports...". It can also be run in batch within a Brave job.

It now includes a standard set of queries for the discovery of COBOL application patterns that facilitate a code quality practice within an IT organization.

Categories included are:

- > COBOL Performance (32 queries)
- > COBOL coding standards (24 queries)

*Note: Java code quality queries are also available, and they are executed directly from within the Clipper tool.*

## ***Extensibility***

### **Architecture Modeler Enhancement**

Architecture Modeler is the GUI tool available for extending the reach of Enterprise Analyzer to new languages and for adding relationships to existing ones. The tool was enhanced to allow the user to specify include files which would be added as part of the main file when scanning for patterns. This provides the ability to use Architecture Modeler with languages that use include files (copybooks).

## ***Developer Support***

### **Clipper Querying Tool Enhancements**

- > Background querying: there is now an Option to run Clipper in the background and continue work on other online tasks. This option is available as "run as offline job" at the bottom of the Clipper search dialog.

- > Value comparison: new operations are available in advanced search conditions to compare attribute values of the same construct. The length of attribute values can also be compared. The comparison of values can match either the full attribute value or a partial attribute value.

### **Light Parsing as a Setup Option**

The option to parse with HyperView disabled as an explicit user choice when parsing a workspace, is now also available as an option for JCL parsing.

### **Connecting Cobol and C Calls**

New functionality has been added to create relationships between COBOL programs and C functions. This is provided as a batch process to be run after a normal verification cycle.

### **Enterprise COBOL V4.2 Support**

Enterprise COBOL V4.2 is now supported, except for embedded SQL statements added for DB2 V9.

## **Business Rule Manager Enhancements**

### **Rule Generation from Clipper**

New rule generation from Clipper now no longer prompts for a method selection; confirmation still exists.

### **Copy/Move**

The Copy/Move function has been streamlined to allow copy/move for selected rule sets or rules, behaving in an identical manner.

### **Coverage Report – include parsed code segments**

When a rule is associated with a code segment that has been relaxed parsed, that segment is now included in the line of codes coverage statistic shown in the Coverage report.

### **Activity Log Enhancements**

- > The detail level of an import / export activity is now identical for all rule constructs (rule, rule set, business function).
- > A rule set or business function that has been implicitly imported or exported as a result of a member rule's import or export, now appears in the activity log.

## **Enterprise View Product Enhancements**

### **Windows Logon**

There are now new settings to enable a user to logon with her Windows userid, without having to administer users within Enterprise View. Enterprise View based configuration of users will still be the default.

There are now 3 states for the logon, configurable with the settings.

- > EV users only
- > Windows users only
- > Windows users and EV users

### **Chart Building Assistance**

In the process of building a chart in Enterprise View, guidance has been added in the form of instructive notes. For example, "Grouping chart items by Range spreads the selected metric at intervals with counts of the object types. Once displayed, the ranges may be drilled into without changing the dashboard."

### **Known Issues**

The following issues have been found on the release build of Enterprise Analyzer 3.4. Note that the issues apply to the GA version and may be addressed in HotFixes for version 3.4.

- > Quick Inventory does not work with parallel verification. This will be addressed with an upcoming HotFix.
- > When using the new Clipper in background feature, the Queue Processor that opens when running the query needs to be manually switched on for Clipper in the Processing menu before the query will run. This will be addressed with an upcoming HotFix.
- > Some new features or product changes may not be reflected in the documentation. The documentation will be updated in upcoming product updates.

## Appendix I : Enterprise Analyzer Features per Edition

Support level	Key Capability	Features	EA Standard	EA Developer	Business Rule Manager
<b>Basic (level 1)</b>	System level objects, dependencies and metrics	Verification	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Verification Report	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		CRUD Report	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Decision Resolution (w/o auto-resolution)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Repository Browser	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Inventory and Cross Reference Reports	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Repository Queries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Complexity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Effort Estimation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Diagrammer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Portability Assessment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Tag Manager	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Business Rule Manager- manually entered rules			<input checked="" type="checkbox"/>
<b>Intermediate (level 2)</b>	AST - syntactical analysis within source objects	Batch Application Viewer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Source Pane (with navigation)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Context view	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Clipper	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Advanced Search	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Objects Pane	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Callie (Paragraph Call Structure)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Model Pane	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Bird's Eye Pane	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Flowchart	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		Glossary	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
				Business Rule Manager- query-based rules	
<b>Advanced (level 3)</b>	Field-Level Data Dependencies	Impact Pane		<input checked="" type="checkbox"/>	
		Data Flow pane		<input checked="" type="checkbox"/>	
		Data View		<input checked="" type="checkbox"/>	
		Animator		<input checked="" type="checkbox"/>	
		Execution Path		<input checked="" type="checkbox"/>	
		Change Analyzer		<input checked="" type="checkbox"/>	
		Dead code removal		<input checked="" type="checkbox"/>	
<b>Advanced (level 4)</b>	Constant Propagation	Constant propagation (e.g. used for auto-resolution of dynamic calls)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		IMS Analysis	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	



## Appendix II : Resolved Issues

RPI	Support Incident	Component	Title
1069835	2353684	MW - Business Rules	Business rule validation fails after source update
1075873	2472825	MW - Change Analyzer	Change Analyzer in 3.1 - Properties box hides Change Analyzer window
1076533	2458760	MW - Business Rules	BR Coverage Report on Natural programs gives Runtime error '6':
1078370	2503241	MW - Documentation	Executive Report requires Excel as a pre-requisite
1082207	2549977	MW - IDE - Project Operations	Protected Projects allow source deletion
1082601	2553030	MW - Analysis - HyperView - Clipper	Clipper Query Execution Stopped Working on Existing and New Queries
1082618	2555088	MW - Change Analyzer	Change Analyzer - program pane unsorts
1082879	2558157	MW - Change Analyzer	Change Analyzer - program pane unsorts
1082881	2555860	MW - Batch Refresh Process	Cobol verification fails causing Runner.exe crash.
1082891	2554254	MW - Analysis - HyperView - Clipper	Clipper JCL Queries - Source not populated in Detailed Report
1082895	2554257	MW - Analysis	Interactive Analysis - Attribute NAME not populated for object 'Procedure Ca
1082934	2558546	MW - IDE - Source Editor	The source editor does not use the 'In Margin' settings for PL\I programs
1083071	2560375	MW - Backend - Parsing - Cobol\Unisys MCP	Unisys File ATTRIBUTE syntax causes parser errors with the Unisys Legacy Dialect
1083133	2560444	MW - Reports - Executive Report	Executive Reports values not displayed correctly with European decimal separator
1083268	2563032	MW - Backend - Parsing - Cobol	With Unisys configuration turned off, COBOL CICS program fails verification
1083305	2562374	MW - APM	Enterprise View - Range charts not displaying on drill-down
1083354	2542991	MW - Decision Resolution	DRT Error After Upgrading and Importing Decisions from 2.1
1083472	2565074	MW - IMS Analysis	Error in analysing IMS : wrong PCB ENTRY mapping
1083483	2565183	MW - Backend - Parsing - EmbeddedSQL	Embedded SQL is not being recognized by the parser
1083525	2565274	MW - Backend - Parsing - EmbeddedSQL	Oracle SQL syntax issues
1083528	2565272	MW - Backend - Parsing - Cobol\MicroFocus	Decision Resolution does not resolve program name where moved into a variable
1083653	2567558	MW - Backend - Analysis - C++	Missing relations from C functions to COBOL.
1083654	2567577	MW - Backend - Analysis - Cobol	Wrong relations from COBOL to C function
1083670	2563724	MW - Backend - Parsing - RPG	RPG Variables Treated As RPG copybook files
1083672	2563558	MW - HyperView - Clipper	Rename List in Clipper query does not work on SQL Workspaces
1083680	2567408	MW - Backend - Architecture Modeler	Creating a scope crashes regular expression handler in Architecture Modeler
1083696	2567266	MW - IMS Analysis	IMS Analysis not resolving PCB relationships correctly
1083698	2563662	MW - Backend - Analysis - RPG	EA not resolving RPG copybook With External Name
1083752	2567611	MW - Administration	EA 3.3 Install Fails on newer version of VC++
1083782	2568780	MW - IDE - View	Pie chart in Chart Viewer has a hand when moused over
1083795	2569294	MW - Backend - Parsing - EmbeddedSQL	Standard Clipper query for SQL Commit Statements is not working
1083816	2567943	MW - Change Analyzer	Failure Attempting to Open Change Analyzer
1083819	2567999	MW - Backend - Analysis - IMSAnalysis	IMS analysis requires starting a HCC
1083825	2568041	MW - User Interface	Architect menu option still available
1083845	2569408	MW - HyperCode Convertor	HCC Log files not being written
1083872	2569840	MW - IMS Analysis	IMS Analysis Fails in 3.3
1083883	2568002	MW - Change Analyzer	Cannot name list when adding a new list in Change Analyzer

1083884	2570205	MW - Backend - Analysis - Cobol	Wrong management of "Make the entry points unique" parameter
1083916	2546590	MW - Backend - Verification	Parsing .Net Project gives Critical 99999 - Internal error: CSharpModa.dll error
1083924	2570162	MW - Backend - Analysis - Cobol	Generic API help from developers needed ASAP
1083959	2570977	MW - Backend - Parsing - CPP	Parsing a .Net Project gives errors on items that are in external objects
1084007	2570890	MW - HyperCode Convertor	Queue Processor does not process records
1084011	2571139	MW - Backend - Analysis - PL1	PL\I - Include All Referenced Doesn't Decisions Calls
1084024	2571746	MW - Change Analyzer	Microsoft .NET framework unhandled exception generating synonyms
1084050	2571693	MW - HyperView - Clipper	Detailed Report from Clipper fails to generate for Dataset queries
1084064	2569813	MW - Change Analyzer	Change Analyzer Crashes During Synonyms Search on PL\I
1084067	2572255	MW - Documentation	Installation Docs: please include the list of pre-requisitess
1084101	2572829	MW - Backend - Analysis - IMSAnalysis	IMS analysis does not work for PLI through decisions
1084103	2570987	MW - Backend - Parsing - IMS Definition	IMS subscript not parsing
1084104	2570989	MW - Backend - Parsing - IMS Definition	IMS GU not supported Error
1084105	2570991	MW - Backend - Verification	Handle Condition not supported error
1084210	2571142	MW - IDE - Repository Browser	crash while refreshing sources
1084237	2572565	MW - Batch Refresh Process	BRP Adds Modified Files to Default Project
1084238	2572565	MW - Batch Refresh Process	BRP Not Using Options for Project File is Currently In
1084257	2574952	MW - HyperView - Clipper	Clipper Results Stored in Wrong List
1084265	2575043	MW - HyperView - Clipper	Run detailed report based on a clipper query of unused data give internal err 53
1084274	2563964	MW - Business Rules	BRM crashes on re-open after generating a Business Rules Report
1084275	2562183	MW - IDE - Project Operations	Project Viewing Enhancement
1084277	2575131	MW - Change Analyzer	Change Analyzer Does Not Find Synonyms for Field
1084314	2568040	MW - Diagrammer	Diagrammer Scope Editor Sorting
1084352	2575617	MW - Backend - Parsing - Cobol\MicroFocus	Micro Focus COBOL Parser Errors
1084362	2576217	MW - Documentation	PDF Documentation and On-Line documentation still refers to Modernization Workbe
1084367	2573356	MW - Batch Refresh Process	Investigate duplicates appearing in the lifecycle table
1084387	2574988	MW - Backend - Analysis - IMSAnalysis	PLI programs run under IMS are not treated the same as COBOL
1084404	2576739	MW - Backend - Parsing - DDL	SQL and DDL parsing issues
1084416	2576960	MW - Batch Refresh Process	BRP process Does Not Use 24H Timestamp
1084431	2576716	MW - Backend - Parsing - PL1	Verification of PLI program Takes Very Long Time
1084437	2577275	MW - IMS Analysis	IMS Analysis Does Not Compete On CALL Chain
1084438	2572829	MW - Backend - Analysis - IMSAnalysis	IMS analysis does not work for PLI through decisions
1084443	2577371	MW - Backend - Parsing - DBD	DBD verification causes Critical Error ADBDParser.dll; DBDParser(): Memory acces
1084445	2577410	MW - Backend - Parsing - DBD	DBD verification results in Error 24701 - Segment parent 'PARENT' not found
1084497	2577433	MW - Installation	Runtime error when installing Enterprise Analyzer trial license
1084520	2577972	MW - IMS Analysis	Critical Failure in IMS Analysis - Error activating ActiveX object ""RWIMSPorts.
1084523	2576594	MW - IMS Analysis	IMS Analysis of a CEETDLI call gives Expected PCB number error
1084524	2576594	MW - IMS Analysis	The IMS call CEETDLI should be recognised as system call
1084529	2577414	MW - Inventory	Delete Project - Problem with unassigned files
1084531	2576594	MW - IMS Analysis	IMS Analysis does not resolve dynamic calls to IMS modules

1084532	2577414	MW - IMS Analysis	Dynamic calls to IMS modules not resolving to database port type
1084550	2578011	EA – Portability Assessment – Reports	Portability Assessment - Generation of Conversion Requirements failure
1084551	2577806	MW - HyperView - Callie	With Complex programs Callie is hanging while building the diagram
1084555	2576337	MW - Backend - Parsing - JCL	JCL module with either \\OUTPLS or \\OUTPFM produces a memory access violation
1084560	2569813	MW - Change Analyzer	No PL\I Synonyms With Make Entry Points Unique Option
1084575	2575460	MW - Backend - Parsing - Java	Java processing fails with customized regional settings
1084617	2578956	MW - Backend - Parsing - VB	CSharp verification errors - "1004000 expected ")" "
1084630	2563845	MW - Backend - Parsing - RPG	Certain RPG programs are failing to parse in EA but successfully compile on the
1084632	2563845	MW - Backend - Parsing - RPG	RPG Internal Error Memory Access
1084639	2577323	MW - Backend - Parsing - PL1	Verify PL\1 module with margins set to 10-100 and CICS calls give 9999 error
1084645	2575768	MW - Diagrammer	Empty Diagrammer default scopes causes Diagrammer to crash
1084654	2576397	EA – Portability Assessment – Reports	Inventory all JCL control cards
1084655	2576339	EA – Portability Assessment – Reports	Ability to identify seed files
1084657	2568050	MW - HyperView - Clipper	Event Injector Folder in Clipper Still Exists
1084659	2579392	MW - Reports - CRUD Report	Large Reference Reports will not save as Excel - must be output to CS
1084664	2579386	MW - Administration	Purge Activity Log - Does not have a "Date Selection ICON" not v
1084701	2579858	MW - Installation	EA\EV are not listed under MF in Programs and Features on Windows
1084706	2568049	MW - IDE	Tools menu, under construction field
1084743	2579394	EA – Portability Assessment – Reports	Portability Assessment - L1Q information generated at workspace level
1084764	2580118	MW - IDE - Repository Browser	Filter Function Not Working With Data Sets
1084785	2580316	MW - Backend - Parsing - Cobol\Unisys MCP	CREATE DMS Data Set Relationship Missing
1084801	2580610	MW - Change Analyzer	Crash in Change Analyzer when try to resolve ports
1084802	2580288	MW - Backend - Parsing - Java	Link from JSP file to Java file is not resolved
1084808	2568052	MW - User Interface	Logic Analyzer Shows Options No Longer Needed
1084811	2580613	MW - Backend - Architecture Modeler	Architecture Modeler not working as expected
1084816	2580270	MW - Administration	MSSQL Connection error when creating new workspace.
1084821	2580765	MW - Change Analyzer	Change Analyzer not finding all (backward) Synonyms
1084823	2580707	MW - Batch Refresh Process	Duplicates are created in the HCsource table
1084824	2580705	MW - IDE - Workspace Operations	Deletion of Java files gives an Front End cannot unregister error
1084826	2580766	MW - Change Analyzer	Change Anayzer not populating 'File' on screen or Reports
1084829	2580767	MW - Change Analyzer	Change Analyzer not clearing Synonyms pane
1084842	2571139	MW - Backend - Analysis - PL1	PL\I - Include All Referenced Doesn't Decisions Calls
1084850	2580691	MW - Analysis - Diagrammer	Scope Diagrammer Results in Errors and Crashes
1084880	2581406	MW - Analysis - HyperView - Clipper	Clipper Query - Error 53 file not found generating Detailed Report
1084899	2581372	MW - Backend - Analysis - PL1	Unable to verify PLI files - Error Critical 99999 - Internal
1084904	2579462	MW - Backend - Verification	Reverification of EZTrieve files fails
1084930	2582019	MW - IDE - Source Editor	The source editor does not use the 'In Margin' settings for PL\I includes
1084951	2580834	MW - Backend - Parsing - Assembler	Unable to load SQL INCLUDE file SQLCA on Assembler
1084969	2581656	MW - Backend - Parsing - PL1	PL\1 Verification failures - Critical 99999 and 5955
1084990	2582343	MW - Analysis - HyperView - Clipper	Clipper queries on IMS objects causes Hypercode to browse the whole source file
1084998	2582516	MW - Backend - Architecture Modeler	Architecture Modeler - Configuration Information not retained

1085002	2582519	MW - Backend - Architecture Modeler	Architecture Modeler - Unable to remove plugins
1085007	2582560	MW - Change Analyzer	Change Analyzer Searches Entire Structure For Synonyms
1085008	2582505	MW - Change Analyzer	Change Analyzer Lists Wrong File and Program Information
1085036	2576404	MW - Decision Resolution	Java to Cobol 'Boundary Decisions' not working
1085051	2582506	MW - Change Analyzer	Opening Change Analyzer does not show List without refreshing
1085062	2575131	MW - Change Analyzer	Change Analyzer in HF 3 Does Not Find All Synonyms
1085067	2583128	MW - Backend - Parsing - Cobol\HP 3000	Error during verification of HP3000 Cobol
1085078	2583262	MW - Backend - Parsing - Cobol\Cobol 390	Cobol Length of clause in a string statement gives ActiveX error in IMS Analysis
1085098	2583815	MW - Backend - Parsing - Cobol	Wrong Code Selected for API Generated Data Port
1085115	2583933	MW - Backend - Analysis - Cobol	HyperCode Selection and Generation Incorrect for Clipper Results
1085118	2568330	MW - Batch Refresh Process	BRP should not register Java files with paths too long to verify
1085119	2583923	MW - Change Analyzer	Crash When Performing CA Queries after partial Re-Verify
1085143	2584368	MW - IDE - Source Editor	PLI Comment Ending Column is Incorrect
1085161	2583924	MW - Backend - Parsing - Cobol\Unisys MCP	Parsing DBUNITED.DMSII gives errors but compiles correctly on MCP
1085164	2584639	MW - Backend - Parsing - DASDL\Generate Copybook	DB3.DMSII dasdl verifies but does not generate any copybook entries
1085174	2584520	MW - Upgrade	Workspace Upgrade : column names must be unique. Name_CO in rntTRANSA
1085188	2583966	MW - Backend - Analysis - JCL	Verifying JCL files is too slow
1085205	2583122	MW - Backend - Parsing - EmbeddedSQL	Pro-Cobol and SQL -13002 - various SQL construction 'xxxxxx'
1085268	2585300	MW - Backend - Analysis - Natural	SysTransUnpack Fails on NDA File with *S**\ Format
1085270	2585335	MW - Backend - Parsing - Cobol\MicroFocus	Generic API on TABLE Does Not Produce Relationships
1085273	2585368	MW - IDE - Activity Log	Sort\Search does not work in Acitivity Log History.
1085284	2585735	MW - Backend - Analysis	LINKDECK Missing ENTRY Statement Causes Incorrect Entry Point
1085292	2585061	MW - Change Analyzer	CA Affected Code Report not produced when program has more than 30 items in it
1085295	2581851	MW - Administration	problem while upgrading WS from HF2 to HF3
1085301	2584392	MW - Batch Refresh Process	RXP query run as part of BRP gives failure message
1085305	2585606	MW - IDE - Project Operations	Regular user can not Include objects to an "unprotected" project
1085325	2585922	MW - Batch Refresh Process	BRP Dropped Indexes with DROP INDEXES set to NO
1085336	2586265	MW - IDE	Chart Viewer values incorrect for 'object types in workspace'
1085339	2583678	MW - Backend - Parsing - Assembler	Assembler Errors on Missing System Copybooks
1085344	2580654	MW - Diagrammer	Differences in the configuration of the clients cause the relations to disappear
1085351	2586270	MW - Backend - Parsing - Natural	<<FETCH FIRST construct is causing NAT programs to fail the parser
1085352	2583831	MW - Change Analyzer	Affected Code Report printing &apos; instead of the apostrophe (')
1085353	2586273	MW - Backend - Parsing - Natural	Error 15002 - Incorrect Statement causing 4366 Natural
1085362	2582737	MW - Backend - Parsing - Cobol\Cobol 390	Request for 'IBM Enterprise COBOL for z\OS 4.2.0' support within EA
1085364	2585162	MW - Backend - Parsing - PL1	PL\I verification errors
1085367	2568004	MW - Change Analyzer	Change Analyzer Issue
1085370	2585750	MW - Reports - Verification Report	Unable to get Verification Report (Oracle ODBC error, Max 1000)
1085394	2576380	MW - Inventory	Improve inventory generation automation
1085399	2587155	MW - Backend - Parsing - Java	Override Annotations in JAVA
1085410	2587219	MW - Backend - Parsing - Java	Java runtime not always found when put in path to JDK rather than JRE
1085412	2587202	MW - APM	Change EV logon to use Windows accounts

1085415	2587262	MW - APM	EV - Improve Chart buiding assistance
1085430	2587501	MW - Administration	IMS Analysis generating a table scan on HCEXTERNALRELATIONSHIPS
1085450	2568053	MW - HyperView	DCE receives failure msg during convert, but convert looks successful
1085451	2587625	MW - Backend - Parsing - Natural DDM	Natural DDM - Incorrect name of LENGTH INDICATOR
1085452	2587638	MW - IDE - Workspace Operations	Deletion of Workspace Objects Does Not Delete from SOURCES Directory
1085465	2587636	MW - Backend - Parsing - Cobol\MicroFocus	"Delimited by Size" should be default for INTO
1085466	2584886	MW - Backend - Parsing - Cobol\Unisys MCP	Parsing Unisys MCP\74 Cobol gives 8055 error as part of the find syntax
1085467	2586110	MW - Backend - Parsing - Cobol\Unisys MCP	Parsing Unisys MCP\74 Cobol gives – Error 2018 on find statements
1085470	2586108	MW - Backend - Parsing - Cobol\Unisys MCP	Parsing Unisys MCP\74 Cobol gives – Error 8154 caused by FIND KEY OF syntax
1085471	2584888	MW - Backend - Parsing - Cobol\Unisys MCP	Parsing Unisys MCP\74 Cobol gives 8001 - At 'SYNC': Incorrect WRITE statement
1085478	2587966	MW - APM	extended characters cause Enterprise Viewer to incorrectly format exported XML
1085483	2585201	MW - Backend - Parsing - Cobol\Unisys MCP	Mixup of logical and physical database name in invoke\dbaudit.cpy
1085493	2586106	MW - Backend - Parsing - Cobol\Unisys MCP	Parsing Unisys MCP\74 Cobol gives – 8053 - Undeclared identifier 'ALLOW'
1085495	2586107	MW - Backend - Parsing - Cobol\Unisys MCP	Parsing Unisys MCP\74 Cobol gives – Error 8154 caused by TERMINATE statement
1085496	2586109	MW - Backend - Parsing - Cobol\Unisys MCP	Parsing Unisys MCP\74 Cobol gives – Error 2149 caused by use of constant space
1085497	2586112	MW - Backend - Parsing - Cobol\Unisys MCP	Parsing MCP\74 Cobol gives – Error 2108 caused task attributes not recognized
1085502	2588062	MW - Batch Refresh Process	Batch IMS Analysis Log Does Not List Programs
1085513	2582914	MW - APM	EV out of the box charts don't change when you change the workspace
1085543	2588730	MW - Administration	Wrong extensions interpretation of file types
1085568	2588906	EA – Portability Assessment – Reports	Cannot run PortabilityAssessment .bj with EA 3.3 and HF3
1085589	2589302	MW - Backend - Architecture Modeler	SAP objects don't appear in Source View
1085602	2588983	MW - Upgrade	Upgrade Fails on Clipper Upgrade
1085606	2584744	MW - APM	Tomcat Server stops when exporting “Dashboards with chart definitions” from EV
1085612	2589494	MW - Backend - Parsing - PL1	Generated header for PL\I preprocessor overwrites code
1085642	2589461	MW - Backend - Architecture Modeler	Default value with Control-M Architecture Modeler plugin inconsiste
1085644	2589987	MW - Backend - Architecture Modeler	FORCEJOB node not created - default values set in model
1085719	2590727	MW - Administration	"Configure" icon tooltip error
1085733	2591104	MW - Backend - Parsing - Cobol\Cobol 390	++INCLUDE not recognized by parser
1085760	2582505	MW - Change Analyzer	Change Analyzer PROGRAM Column Name Should Be Updated
1085765	2579054	MW - APM	size of drop-down list boxes
1085774	2579059	MW - APM	EV "display as text" doesn't work
1085778	2591094	MW - Backend - Architecture Modeler	In AM the key attribute of an entity has a comma symbol in its value
1085779	2591387	MW - Backend - Architecture Modeler	Default values for entities created in AM not exported to EA
1085783	2591531	MW - Backend - Parsing - Cobol\Unisys MCP	Parsing source gives numerous errors with Unisys Syntax
1085786	2591319	MW - Backend - Parsing - Cobol\Cobol 390	EXEC SQL statement within Cobol structure declaration is not supported
1085796	2588349	MW - User Interface	Front End Crash with workspace host on MS SQL Server Express
1085798	2591750	MW - Reports - Verification Report	Details for Checked File Report fails with ORA-01795 error

1085799	2567990	MW - IDE - Options	.NET objects not in Diagrammer user preferences
1085810	2572097	MW - HyperView	Cross tool confusion
1085823	2591964	MW - Backend - Parsing - PL1	Error Critical 99999 - Internal error: PliSyntax.dll: PliSyntax
1085832	2592167	MW - Reports	Nested IF clipper report data incorrect after saving
1085833	2591754	MW - Backend - Parsing - Cobol\Unisys MCP	The OpenOLTP option within the DASDL is not parsed correctly
1085844	2592127	MW - Complexity Metrics	Mismatch in .net file metrics between help system and the actual report
1085859	2592666	MW - HyperView - Clipper	Clipper Export Crash
1085868	2592742	MW - Backend - Parsing - PL1	Generated PL\I Code Snippet Generates Verification Error
1085871	2592871	MW - Administration	Plugins created via Architecture Modeler do not appear in Rescan Configuration
1085873	2592987	MW - HyperView - Clipper	Clipper crash running demo
1085875	2582343	MW - Analysis - HyperView - Clipper	Clipper queries on IMS code makes Callie browse the whole context of a file
1085897	2591803	MW - Backend - Parsing - Cobol\Unisys MCP	Parsing project gives 13 different errors with Unisys Syntax
1085906	2593359	MW - Backend - Parsing - CPP	C++ parser uses incorrect microsoft_version parameter
1085950	2593244	MW - Plugins	Hyperview crash after ADSO file loaded
1085955	2593369	MW - Backend - Architecture Modeler	Architecture Modeler Plugin results in verification '404 - Error while processi
1085957	2593883	MW - Backend - Architecture Modeler	Application Modeler not showing the entity details when editing an entity
1085980	2593823	MW - Backend - Parsing - Cobol\Cobol 390	++INCLUDE statement in col. 8 and "+" in col 7 causes red dot
1085981	2591622	MW - Backend - Parsing - Natural	Error Parsing Natural Code : DYNAMIC data types
1086026	2592165	MW - IDE - Repository Browser	Search Assistant Diagrammer Doesn't Inform User of 1 Diagram Limit
1086030	2594242	MW - User Interface	EA crashes if you tried to open WS locked by BRP and then exit
1086045	2594673	MW - Backend	Elapsed time for registering entities includes time since last activity finished
1086060	2594701	MW - Backend - Parsing - Java	can't verify Java, All Java has red dot and no error information
1086064	2594451	MW - Backend - Parsing - PL1	PL\I verification errors
1086065	2594987	MW - Business Rules	Backward Autodetect Appears when Rescue.flg is Used
1086076	2595161	MW - Batch Refresh Process	Unregister.bj gives Wrong number of arguments or invalid property assignment
1086300	2596410	MW - Backend - Analysis - Java	Crash while resolving Boundary Decisions
1086312	2597142	MW - Administration	Business Rules Removed when Invalidating Workspace
1086321	2596873	MW - Backend - Parsing - Natural	Critical Error on Natural File - NatHC.dll
1086322	2596944	MW - Backend - Parsing - Natural	Critical Error on Natural File - NatModa.dll
1086332	2596469	MW - Backend - Parsing - CPP	CSharp verification errors Assertion Failed
1086352	2596885	MW - Backend - Parsing - Cobol\MicroFocus	String and Search Commands getting verification errors
1086409	2597468	MW - Backend - Parsing - Cobol\MicroFocus	Some Lengths of comp fields are incorrect in the Analyzer
1086435	2596343	MW - Batch Refresh Process	BRP Not using Project Options for Java
1086457	2592714	MW - Reports - Reference	Unable to create an unreferenced report
1086459	2598374	MW - Batch Refresh Process	incorrect logging information about Java verification in batch mode
1086508	2599248	MW - Backend - Analysis - Cobol	No decision created when the CASE statement is used in REL tag
1086546	2599772	MW - Backend - Parsing - EmbeddedSQL	Add Support for Oracle SQL statements
1086599	2599896	MW - Backend - Parsing - Java	JSP does not see web.config
1086613	2599624	MW - Business Rules	BRM Technical Description Text Lost