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Release Notes

Release v3.2.16 (23 items)

Command Line (tessycmd)

Enhancement

TES-1149

Added command line option to TESSYD to ignore environment errors during startup.

Compiler/Target/Microcontroller

TES-1542

Support type long double and added missing keywords for Atollic GNU ARM.

Compiler/Target/Microcontroller

TES-1629

Updated IAR-CSPY master to comply with new CSPY version 8.

Compiler/Target/Microcontroller

TES-1769

Updated TEE configuration for Tasking VX.

Compiler/Target/Microcontroller

TES-1851

IAR C-Spy: Optimized debugger start.

Driver

TES-1585

Fixed error in test driver when a static pointer targets a struct defined in user code.

Driver

TES-1633

Fixed generating necessary typedef for return of @far functions for Cosmic compiler.

Driver

TES-2017

Abort generating test driver if attribute 'Call Count Size' is invalid.

Release v3.2.16 (23 items)

Environment Editor (TEE)

Enhancement

TES-1559

When running in headless mode (with tessycmd) the TEE now reports problematic attributes (errors/warnings) to stderr.

Import/Export

TES-1603

Fixed issue when importing requirement documents and validation matrices that would lead to the import being incomplete.

Import/Export

TES-2027

If corrupted tmb file was created during export/save the previous tmb file was overwritten.

Interface Database (IDB)

TES-1826

Fixed issue that a module may not open after removing a type from the source/header file(s) that was used for a synthetic variable.

License Manager

TES-1553

Fixed possible failure to check out an available license.

Preprocessing

TES-1918

Fixed parsing `__attribute__((__section__(...)))` declarations for IAR ARM compiler.

Report

New Feature

TES-1133

New report option 'Show Unlinked Requirements Only'.

Requirements

TES-1551

Bugfix for possible exceptions during ReqIF import of empty enumerations and ReqIF mapping export and import.

Requirements

New Feature

TES-1577

Added command to add all unlinked test cases to Link Matrix view.

Requirements

New Feature

TES-1583

Added test mean filter to Requirements Coverage view.

Requirements

New Feature

TES-1599

Added command to add all unlinked requirements into Link Matrix view.

Release v3.2.16 (23 items)

Requirements

TES-1822

The ReqIF import now handles requirements with more than one test mean correctly.

Requirements

TES-1920

ReqIF reexport contained two fields with the same name but different values.

Requirements

TES-1936

ReqIF ReExport fix for missing last change time.

TESSY (General)

TES-1662

The calculation of the SHA1 source file checksums within the test result XML file did not take into account the whole file contents.

Release v3.2.15 (14 items)

Compiler/Target/Microcontroller

New Feature

TES-625

New combination for Cosmic S12Z and Lauterbach TRACE32.

Component Test

TES-1500

When component test cases were deleted without renumbering, the test case numbers used during test execution were wrong.

Defines

TES-1485

The defines parser ignores the U suffix for numbers [e.g. UINT16_MAX - 1U]. This leads to wrong values while computing the final define value.

Interface Assigner (IDA)

TES-1481

Name of first test step was missing after assignment from one test object to another.

Interface Editor (TIE)

TES-1453

Fixed setting pointer target to dynamic object created by an advanced stub return.

Parser

TES-1525

Fixed parsing initializer of specific struct components.

Release v3.2.15 (14 items)

Parser

TES-1538

Fixed parsing define values: If there were defines such as "#define _L_CAST (double)", all following defines were missing within the TDE defines list.

Report

TES-1126

Fixed overflow problem with more than 1000 category elements when drawing the test overview report pie chart.

Requirements

TES-1236

Support for ReqIF requirements that exist as a child of another requirement.

Enhancement

Restore Database (TMB Files)

TES-1511

Test cases were consecutively numbered after restoring module.

TESSY (General)

TES-1486

Don't check write permissions for project root when opening an existing project

Test Database (TDB)

TES-1526

Component test backups where growing after each backup/restore operation.

Test Evaluation

TES-1439

Erroneous evaluation result for eval macros if the format specifier '%dec' is used AND either the expected or actual value is negative. If both values were negative, the result was passed even though if both values were different.

Test Execution

TES-1441

It could be possible that input parameters which have defines as values were set to arbitrary values when running the test in the following rare case: The last output value of the previous test step had a range value as expected value.

Release v3.2.14 (65 items)

ASAP Conversion

TES-1040

Added parsing of optional REF_UNIT specification.

ASAP Conversion

TES-1131

Allow ASAP sections with arbitrary names.

Release v3.2.14 (65 items)

Command Line (tessycmd)

New Feature

TES-960

Enabled automatic reuse of modules during interface analysis in headless command line (CLI) mode. This provides more robust CLI operation when interfaces of modules have changed but the changes are irrelevant for the module being tested.

Command Line (tessycmd)

TES-1164

In headless command line mode, the "console.log" file was missing if the ".metadata" directory within the TESSY workspace has been deleted.

Command Line (tessycmd)

TES-1406

Fixed possible connection error when calling TESSYD from a process that is running as a service or a service-like process. This problem could also happen on machines with very restrictive security settings for the user that was running TESSYD from a batch script.

Compiler/Target/Microcontroller

Enhancement

TES-736

Implemented alternative method to initialize built-in-data for interactive debugging.

Compiler/Target/Microcontroller

TES-805

Updated STVD slave file, makefiles for STM8, and appnote for STVD.

Compiler/Target/Microcontroller

Enhancement

TES-1117

Improved handling of long paths for standard GCC makefile template.

Compiler/Target/Microcontroller

TES-1138

Corrected TEE attributes for Wind River RH850.

Compiler/Target/Microcontroller

Enhancement

TES-1162

Added TESSY_FLASH_FILE variable for TRACE32 script files.

Compiler/Target/Microcontroller

TES-1163

Updated makefiles for GHS compiler.

Compiler/Target/Microcontroller

TES-1166

Added endianness to TEE for Tasking VX / winIDEA.

Compiler/Target/Microcontroller

TES-1175

Corrected attribute TESSYTHCmd for MPLAB X.

Release v3.2.14 (65 items)

Compiler/Target/Microcontroller

TES-1207

Added new combination for HI-TECH PIC18 / Microchip MPLAB X.

Compiler/Target/Microcontroller

TES-1223

Updated Microchip XC 8/16/32 default compiler configuration.

Compiler/Target/Microcontroller

TES-1274

Updated IAR HC12 / TRACE32 makefile template.

Compiler/Target/Microcontroller

TES-1311

Fixed buffer overflow in ts_netrelayd daemon (used with Green Hills MULTI debugger).

Compiler/Target/Microcontroller

Enhancement

TES-1313

Optimized test run for Keil uVision: Hide uVision when running tests. Use keyboard ALT+TAB to make uVision visible again.

Compiler/Target/Microcontroller

TES-1317

Updated VxWorks master file.

Compiler/Target/Microcontroller

TES-1321

Update for Keil ARM RVDS / Keil uVision configuration.

Compiler/Target/Microcontroller

Enhancement

TES-1431

Updated winIDEA target integration to use the Python interface of winIDEA instead of the legacy ISL script control (ISL script is not supported any more with the most current winIDEA versions). The overall handling remains the same: Custom specific adaptations are possible via modification of the Python script template.

Component Test

TES-1129

Possible wrong calculation of work task execution time when its start time is greater 0.

Coverage Viewer (CV)

TES-1122

If the condition of a while loop contains sub branches, these sub branches are ignored in the Coverage Viewer.

Driver

TES-1216

Fixed evaluating address of pointers to union components (same address as the union).

Release v3.2.14 (65 items)

Driver

TES-1229

Fixed using static test object as target for function pointer.

Driver

TES-1384

Fixed evaluating manually entered pointer target to a struct component in an array of structs.

Driver

TES-1433

Fixed generating type modifier for Tasking Tricore VX into cast for array inside structure.

Interface Assigner (IDA)

TES-1217

Possible error opening IDA with interfaces containing complex structures.

Interface Assigner (IDA)

TES-1369

Fixed opening test object as target for assignment when variables were moved from unused to used.

Interface Database (IDB)

TES-1125

Fixed automatic reuse of test objects that have the same interface after analysis and had a different interface before from a previous code change.

Interface Database (IDB)

TES-1184

In very rare cases updating pointer names during reanalyze or reuse could fail.

Interface Database (IDB)

TES-1299

Potential problem with reusing individual test objects fixed: If the interface of a test object was changed and later after reuses of other test objects within the same module the interface of this test object was the same again, it could happen, that intermediately changed defines were not updated within the test data of this test object.

Interface Database (IDB)

TES-1346

Fixed comparing and automatic assignment of anonymous structs/unions that have anonymous structs/unions as children.

Interface Editor (TIE)

TES-1434

Fixed setting pass direction of recursive pointer in advanced stub variable.

Makefile Templates

TES-1234

Fixed problem with defines containing string literals passed to the GNU/GCC compiler (e.g. `-Dfilename="abc.h"`).

Release v3.2.14 (65 items)

Parser

TES-952

Parse `_VA_LIST` for IAR Versions 7 where it is built in and older versions where it is declared in a header file.

Parser

TES-1142

Fixed parsing asm statements for Greenhills MPC Compiler.

Parser

TES-1165

Added missing keywords for MPLab XC8 Compiler.

Parser

TES-1398

Fixed parsing anonymous inner structs declared with `__attribute__((packed))`.

Parser

TES-1411

Support pragma for IAR RL78.

Parser

TES-1432

Support new types `__wchar_t` and `__ptrdiff_t` for Tasking Tricore VX.

Parser

TES-1436

Support new types long double and `_Bool` for Metrowerks S12z.

Plot View

TES-1151

Fixed updating plot view after reuse.

Report

TES-1066

Show actually executed prolog and epilog code at test cases and test steps in test details report.

Report

TES-1070

Enabled using relative path names to images for HTML reports.

Enhancement

Report

TES-1121

If test time measurement is used a possible race condition may cause that the test report is not created.

Report

TES-1134

Added buttons to (de-)select all requirement documents in execution dialog

Release v3.2.14 (65 items)

Requirements

Enhancement

TES-1097

Support for a ReqIF field to define the element type during the ReqIF import.

Requirements

TES-1222

Bugfix for potentially duplicate ids being assigned to new requirement elements.

Requirements

TES-1287

Bugfix for possible exception in ReqIF requirement importer.

Restore Database (TMB Files)

TES-1140

Added test execution option "Abort on Missing Stub Code" for batch files (default is true). This allows to disable this option globally or for specific projects.

Scenario Editor (SCE)

TES-1128

Fixed display of time step time in evaluation macro view.

Scenario Editor (SCE)

TES-1178

Fixed potential problem when saving a scenario: An error message could be shown when TESSY was started with the SCE perspective open, if the test data view was not active and was subsequently activated.

TESSY (General)

TES-1127

Under rare circumstances it may happen that the check of whether the configuration file is inside the PROJECTROOT fails. In such a case TESSY refuses to start in headless mode.

TESSY (General)

TES-1146

Crash of ts_pathname if called without a path to convert.

TESSY (General)

TES-1160

Fixed problem with reuse: When all test objects of a module were filtered out by the test object filter and the module was reused, all test objects were duplicated.

TESSY (General)

Enhancement

TES-1174

Separate "logs" directory removed. All internal log messages are now written into the ".log" file in the ".metadata" folder.

TESSY (General)

New Feature

TES-1382

Support pragma pack for Greenhills MPC.

Release v3.2.14 (65 items)

Test Data Editor (TDE)

Enhancement

TES-1148

New attribute 'Double Precision' to set a different floating point precision for float and double types. If the attribute is not set, the attribute 'Float Precision' is used for both float and double types.

Test Data Editor (TDE)

TES-1324

Actual values of enums used in advanced stub vectors where shown with their numerical values in test report and TDE.

Test Data Editor (TDE)

TES-1340

Fixed setting of advanced stub pointer to dynamic object.

Test Data Editor (TDE)

TES-1364

Fixed setting of pointer to array.

Test Database (TDB)

TES-1181

Fixed problems with very long (>256 characters) advanced stub vector values.

Test Evaluation

TES-1423

Test cases containing empty arrays where evaluated as passed if a pointer was pointing into that array.

Test Execution

Enhancement

TES-852

Issue error or warning if necessary stub code is missing in component test.

Release v3.2.13 (26 items)

CTE

TES-1093

Fixed setting empty expected call trace for CTE test cases when the Attribute 'Default Call Trace Evaluation' is set to 'No Call Expected'.

Compiler/Target/Microcontroller

New Feature

TES-1001

New combination for Wind River WindISS and Wind River wrdbg.

Compiler/Target/Microcontroller

New Feature

TES-1029

New adaption of Renesas cc78k0r compiler for Renesas CS+

Compiler/Target/Microcontroller

Enhancement

TES-1060

New combination for HighTec Tricore compiler and winIDEA.

Release v3.2.13 (26 items)

Compiler/Target/Microcontroller

TES-1088

Extracted Java executable path from MPLAB X scripts into TEE attribute.

Component Test

TES-1015

During reuse operation of component tests, enum typed parameters passed to component function calls may unintentionally be changed if the used enum constants have changed their value. The reused scenario will still apply the old enum constant values which could result in another enum constant effectively being used for testing (and shown within scenario editor SCE).

Component Test

TES-1046

The results of eval macros within stub function code were not taken into account for the result of the scenario when doing component tests. This can lead to errors not being detected and reported if such eval macros within stub functions are failing.

Defines

TES-1092

Regarding defines for Tasking compiler.

Enhancement

Driver

TES-1065

When using `*min*/code>*max*` for return values in advanced stub vectors wrong values where sent to slave.

Import/Export

TES-798

Don't allow importing TMB files from a later TESSY version

Interface Assigner (IDA)

TES-1062

A test object that was renamed while the state was 'interface changed' could not be assigned in IDA.

Interface Assigner (IDA)

TES-1063

Reuse of scenarios with a huge amount of testdata may use up all memory.

Interface Database (IDB)

TES-1023

Missing define values when using the Windriver preprocessor and the define value contains a hashmark.

Interface Database (IDB)

TES-1074

Structs with UNKNOWN passing after parsing became IRRELEVANT after reuse but might had relevant components (IN and or OUT).

Interface Editor (TIE)

TES-1054

Test not executable after saving an interface containing a pointer to function using an array of unknown size as parameter.

Release v3.2.13 (26 items)

Parser

TES-864

Support new keywords for Tasking Tricore VX 5.x/6.x.

Parser

TES-1072

Wrong memory modifier assigned to a variable when initialized with a cast containing a memory modifier. (The error affects only Cosmic Compiler)

Parser

TES-1087

Possible parser error for a recursive pointer pointer in a struct.

Parser

TES-1094

Division by Zero in Parser when evaluating expressions like $4500 / (\text{float})(2/10)$.

Restore Database (TMB Files)

TES-1084

Bugfix for problems during restore database with requirement links where the requirements are uncommitted.

Scenario Editor (SCE)

TES-991

Fixed problem where in rare cases stubcode of another function was displayed for a function after saving and saved at this function on next save.

Scenario Editor (SCE)

TES-1049

Fixed showing/hiding of place holder view within the scenario view area.

TESSY (General)

TES-941

When running TESSY in headless mode, it is now required that an existing configuration file is specified in the project configuration.

Enhancement

TESSY (General)

TES-1085

Bugfix for possible exception in various check box trees of the user interface.

Test Data Editor (TDE)

TES-1082

Disallow setting pointer to advanced stub variable.
Disallow creating dynamic object for advanced stub pointer pointer variable.

Usercode Editor (UCE)

TES-925

Added preference option to abort test execution if stub code is missing for functions with non-void return type (enabled by default)

Enhancement

Release v3.2.12 (39 items)**Command Line (tessycmd)****Enhancement**

TES-995

When running in headless mode, emit time stamps into console.log for all output messages.

Command Line (tessycmd)

TES-1007

Fixed problem with "No more internet handles" when using tessycmd with the "-animate" option.

Command Line (tessycmd)

TES-1030

Fixed potential deadlock when running command line tests with tessyd in headless mode.

Command Line (tessycmd)

TES-1034

Fixed potential problem when restoring TMB files using the command line operation. The error showed up as "Internal server error" and was caused by access right issues with the "Users" folder which caused the restore operation to abort with failure.

Compiler/Target/Microcontroller**New Feature**

TES-719

Added new combination for Freescale MPC / CodeWarrior 10.

Compiler/Target/Microcontroller**Enhancement**

TES-838

Updated winIDEA project file handling.

Compiler/Target/Microcontroller**New Feature**

TES-868

New combination for Cosmic ARM / TRACE32.

Compiler/Target/Microcontroller**New Feature**

TES-880

Added new compiler KPIT GNURX for Renesas e2 studio.

Compiler/Target/Microcontroller**Enhancement**

TES-962

Updated makefile template and configuration for Wind River MPC / TRACE32.

Compiler/Target/Microcontroller

TES-985

Switched to original preprocessor for ARM RVDS.

Compiler/Target/Microcontroller**New Feature**

TES-988

New combination for Cosmic ARM / Cosmic ZAP.

Compiler/Target/Microcontroller**New Feature**

TES-994

Adapted Synopsys ARC DesignWare compiler for MetaWare.

Release v3.2.12 (39 items)

Compiler/Target/Microcontroller

TES-996

Fixed mplabx target handler stalling.

Compiler/Target/Microcontroller

TES-1000

Fixed Synopsys DesignWare and MetaWare makefile templates.

Compiler/Target/Microcontroller

TES-1004

Updated MULTI 2000 master file.

Compiler/Target/Microcontroller

TES-1006

Updated IAR C-SPY / MSP430 makefile templates.

Compiler/Target/Microcontroller

TES-1019

Implemented flash burn feature for MULTI 2000.

Enhancement

Compiler/Target/Microcontroller

TES-1042

Unignored executable file extension for WinIDEA.

Enhancement

Component Test

TES-997

Fixed possible refresh problem in Test Data view of Component Test perspective after test execution.

Coverage Viewer (CV)

TES-1039

Within the code coverage view of the CV, unreached missing "else" branches were not colored in red when displaying C1 branch coverage.

Driver

TES-990

Fixed generating void function memory modifier for COSMIC Compiler.

Import/Export

TES-1028

When exporting test data that contains stub code, the list of stub code entries within the XLS file was filled with empty entries for each test case and test step. This caused empty stub code entries being created when importing such an XLS file again.

Instrumenter

TES-1032

Error instrumenting static local structs with initialization.

Release v3.2.12 (39 items)

Interface Assigner (IDA)

TES-998

Assignment operations within IDA could fail when running directly after analyzing the module.

Interface Assigner (IDA)

TES-1016

Reuse not possible if a testobject is called recursive by a called function in the new source revision and was not in the old source revision.

Report

TES-989

Corrected the execution order of batch report operations: Now the execution coverage report will be generated after the planning coverage report. This has an effect when using the \$(TESTS.PASSED/FAILED/TOTAL) requirement attribute options which reflect either the planning or the execution status of the respective requirement

Report

TES-1031

Added missing test object level prolog/epilog to test details report.

Restore Database (TMB Files)

TES-1026

Missing test case stub code after module archive restore for CTE test sequence test cases.

Scenario Editor (SCE)

TES-979

Fixed memory leak when loading scenarios.

TESSY (General)

TES-734

Allow project root to be modified when it cannot be determined automatically

Enhancement

TESSY (General)

TES-931

Automatically resizing columns in the Test Project View is now disabled by default

TESSY (General)

TES-1002

Possible wrong test result after renumbering test cases with subsequent test execution.

TESSY (General)

TES-1008

Added option --dont-breakaway-from-job to TESSYD to start from Eclipse debugger.

TESSY (General)

TES-1012

Within the planning and execution coverage reports, renamed modules were still listed with their name at creation time.

Release v3.2.12 (39 items)

TESSY (General)

TES-1018

Startup of TESSY could fail if the project list contained a project with an invalid path (i.e. not accessible any more due to missing WLAN access).

Test Data Editor (TDE)

TES-900

Remove expected call trace entry on double-click; added key binding for "Delete Call Trace" command

Enhancement

Test Data Editor (TDE)

TES-906

Implemented cut command for TDE

Test Data Editor (TDE)

TES-930

Show warning when evaluation macros are used in an invalid location

Enhancement

Test Execution

TES-1036

Fixed original binary test (OBT) using winIDEA. The OBT requires at least winIDEA Build 9.12.256 (52785) 22.10.2015.

Release v3.2.11 (15 items)

Command Line (tessycmd)

TES-892

The test execution was aborted when running in headless mode in case of a test object with missing stub code. Now only the respective test object will be skipped and the execution will continue with subsequent test objects.

Compiler/Target/Microcontroller

TES-704

New compiler / debugger adaption for Synopsys ARC MetaWare.

New Feature

Compiler/Target/Microcontroller

TES-916

Corrected makefile template for WR VxWorks ARM combination.

Compiler/Target/Microcontroller

TES-928

Fixed linker options in a few master makefiles which caused a warning to be issued.

Driver

TES-707

User defines now visible in local stub functions.

Enhancement

Driver

TES-944

Possible error evaluating NULL Pointer in Testcases with unused dynamic objects.

Release v3.2.11 (15 items)

Interface Assigner (IDA)

TES-949

New unused struct components in arrays of structures got the pass direction of the structure when automatic assigned.

Interface Database (IDB)

TES-945

Fixed possible invalid pass direction on automatic reuse with structures of unknown passing containing IN or OUT components.

Interface Database (IDB)

TES-955

Setting an array inside a structure to IRRELEVANT, where the array is the only relevant component, may lead to inconsistent passing after reanalyzing a module.

Parser

TES-947

Wrong calculation of enum constants casted to unsigned short in negative signed short range.

Requirements

TES-706

Save & restore validation matrices

Enhancement

TESSY (General)

TES-635

Import/Export test object filter

Enhancement

Test Data Editor (TDE)

TES-922

Enable commands for leaf elements in TDE when a filter is active

Test Data Editor (TDE)

TES-936

Allow pasting test items onto CTE test items to overwrite test data

Enhancement

Test Execution

TES-921

Added preference option to clear console and problems view before test execution

Enhancement

Release v3.2.10 (37 items)

ASAP Conversion

TES-860

Allow reading of section FIX_AXIS_PAR_LIST (section will be ignored).

Command Line (tessycmd)

TES-792

In case of errors when running tessyd in a DOS shell an error level of 0 was set instead of -1 indicating the error.

Release v3.2.10 (37 items)

Command Line (tessycmd)

Enhancement

TES-819

Increased default timeout of tessycmd to 24h.

Compiler/Target/Microcontroller

New Feature

TES-859

New combination for Cosmic S12Z / Cosmic ZAP implemented.

Coverage Measurement

TES-151

Updated Testwell Oy CTC++ integration for CTC++ v7.2.

Driver

TES-831

Fixed evaluating pointer target with absolute address equal to a static variables location.

Driver

TES-843

Fixed handling of fillbits of size 0.

Driver

TES-851

Editing pointer target values within TDE manually or by copy&paste caused failed evaluations even though the pointer values were pointing to the correct addresses.

Environment Editor (TEE)

TES-808

Fixed TEE flags for HighTec PPC configuration.

Import/Export

TES-794

Importing test data containing dynamic objects could cause an exception if the columns for inner dynamic object values were located more left than the ones for the outer dynamic object values within the XLS file.

Import/Export

Enhancement

TES-834

Support of old v2.9 naming convention for advanced stub variables for XLS import added (when environment variable IMPORT_HANDLE_V29_ADVANCED_STUB_NAMES=1 is set).

Import/Export

Enhancement

TES-837

When exporting into an XLSX format file there will be only one "Values" sheet without limitation of the number of columns (as required for older XLS format).

Import/Export

Enhancement

TES-872

Check for duplicate name columns within XLS import file added.

Release v3.2.10 (37 items)

Instrumenter

TES-809

The instrumenter crashes if a case label identifier name exceeds 65 characters.

Interface Assigner (IDA)

TES-841

Fixed copying user code when assigning a test object to another module.

Interface Assigner (IDA)

TES-842

Possible loss of test data when reusing a module containing a test object with another test object as called function.

Interface Assigner (IDA)

TES-844

Fixed displaying initially assigned defines.

Interface Assigner (IDA)

TES-847

Fixed assignment of external functions with changed name when reusing a module.

Interface Assigner (IDA)

TES-869

Fixed possible error when reusing stub code for a test object with changed name.

Interface Assigner (IDA)

TES-888

The assignment of global variables to the return value of a test object (and vice versa) is now possible.

Enhancement

Interface Database (IDB)

TES-832

Possible duplicate ids in interface database with complex structures containing function pointers.

Interface Editor (TIE)

TES-865

Fixed loading test object with array parameter with array size given by user which is used as advanced stub by another test object. Disabled editing size of advanced stub array parameter.

Parser

TES-845

When nothing but alias names change the change is not recognized.

Parser

TES-848

Processing an empty array initializer caused a parser error.

Parser

TES-849

Fixed parser problem when accessing struct components of register definitions for IAR compilers.

Release v3.2.10 (37 items)

Parser

TES-853

Fixed parser problem with assembler functions within the source code for Green Hills MPC compiler.

Parser

TES-858

Fixed problem analyzing the `_VA_LIST` typedef for IAR compilers.

Report

TES-870

New report output format "XML" introduced: Only the report XML result files will be created into the report output directory. Changed the name of the requirement coverage XML file according to settings within the TBS batch file.

Enhancement

Requirements

TES-863

During requirements import it is now possible to match a ReqIF attribute to a test mean.

Enhancement

Restore Database (TMB Files)

TES-770

Sort entries in XML files for Save & Restore

Enhancement

TESSY (General)

TES-669

Added decorator in Properties View when the selected environment is not available

Enhancement

TESSY (General)

TES-694

Added "Key Assist" entry to help menu

Enhancement

TESSY (General)

TES-875

Performance loss if the environment contains variables having an UNC path as value. [e.g. VAR=\host.domain.com\folder]

Test Data Editor (TDE)

TES-695

Added "Copy Actual Value" command to TDE

Enhancement

Test Data Editor (TDE)

TES-850

The CTE flag indicating read-only status of test data values assigned by CTE was missing for pointer values after a reuse operation.

Test Data Editor (TDE)

TES-854

Fixed displaying stub function signature for module stub code.

Release v3.2.10 (37 items)

Test Evaluation

TES-887

In rare cases, the evaluation of bit masks (e.g. "0b000XX010") could show a failed result even though the actual value has been as expected.

Release v3.2.9 (16 items)

Compiler/Target/Microcontroller

TES-508

Updated application note for MULTI 2000.

Compiler/Target/Microcontroller

TES-619

New combination for AD CrossCore Embedded Studio ARM Toolchain

New Feature

Driver

TES-782

Fixed generating function names to get/set arrays with pointers to functions with parameter of undefined array size.

Import/Export

TES-763

Fixed importing dynamic objects to CTE Tetscases.

Instrumenter

TES-788

Failed to instrument stub functions if the body contains an initialization with character constants containing a quotation mark.

Interface Assigner (IDA)

TES-773

Fixed failing reuse of Component Test.

Interface Assigner (IDA)

TES-784

In IDA new unused struct components got the pass direction of the structure when automatic assigned.

Interface Assigner (IDA)

TES-787

Copy default testcase and teststep prolog and epilog when assigning a test object to a test object in a different module.

Interface Database (IDB)

TES-762

Fixed duplicate ids in interface database when a struct is declared without members in source 1 and used inside another struct and redclared with mebers in source 2.

Release v3.2.9 (16 items)

Parser

TES-753

Added Keyword __packed for Greenhills v850.

Parser

TES-755

Fixed handling of extern functions with a memory modifier for Cosmic Compilers.

Parser

TES-790

Fixed possible replacement of keywords used as part of identifier names.

Preprocessing

TES-746

Fixed module analyze error if the isnan function is used with a function call as parameter.

Report

TES-754

Test details report: Added user and host name as optional report content.

Enhancement

Scenario Editor (SCE)

TES-761

Update column headers in TDE when saving a scenario

Test Execution

TES-749

Test execution fails when option Execute Separately is enabled and the internal id of the test item to execute is greater than 999999.

Release v3.2.8 (19 items)

CDT Perspective

TES-725

Setting or changing a define in the module properties was not recognized in an already open CDT perspective.

Driver

TES-714

Generate void in empty parameter list in component test functions.

Driver

TES-716

Possible missing enum declaration in test driver for an enum used as component inside a struct that is used as parameter of a function pointer as struct component.

Import/Export

TES-40

Import CTE files via import dialog and command line

Enhancement

Release v3.2.8 (19 items)

Import/Export

TES-194

Import test data to existing CTE test items

Enhancement

Import/Export

TES-728

Fixed importing dynamic object from pointer in dynamic struct.

Interface Assigner (IDA)

TES-723

Fixed error when deassigning or reassigning a known function that is used as advanced stub.

Interface Assigner (IDA)

TES-724

Double click on a module or test object will assign it if there already is an open view with an assignable target interface instead of opening a new view with the clicked module/test object as target.

Enhancement

Interface Assigner (IDA)

TES-726

Fixed automatic assignment of static variables in IDA.

Interface Editor (TIE)

TES-717

Unknown array size was not editable when the passing of the array was set to EXTERN.

Interface Editor (TIE)

TES-720

Saving Interface with array parameter of undefined size used as pointer set the testobjects interface to incomplete.

Interface Editor (TIE)

TES-721

Fixed setting default passing of array parameter used as pointer.

Interface Editor (TIE)

TES-722

Fixed Null Pointer Exception when finding next/previous undefined interface object in interface containing array parameter used as pointer.

Parser

TES-713

Fixed handling of `__attribute__((aligned(x)))` at structure components in nested structs.

Parser

TES-732

Handle `__attribute__((aligned(x)))` at array declarations.

Release v3.2.8 (19 items)

Preprocessing

TES-718

Added preprocessor call for TASKING TriCore / TRACE32.

Report

TES-738

Fixed truncation problem of CTE graphics with large height and small width.

Restore Database (TMB Files)

Enhancement

TES-361

Import of pre-2.9 TMB files.

Test Execution

TES-731

Fixed test execution problem with Keil uVision (Failed to clear test area).

Release v3.2.7 (45 items)

C++

TES-667

Wrong generated user code prolog / epilog for test cases in C++ test objects.

Command Line (tessycmd)

TES-618

Added set/unset/list compiler command line options.

Compiler/Target/Microcontroller

New Feature

TES-646

New target / compiler combination for CodeWarrior 10.x and GNU Tools for ARM.

Component Test

TES-661

Erroneous eval macro was generated for component functions returning pointer.

Coverage Viewer (CV)

TES-684

Possible wrong coloring for loop bodies in coverage viewer source code view.

Defines

TES-689

Possible missing define values if the generated defines files contains extra empty lines.

Driver

TES-637

Tests with IAR compiler using medium or high optimization are now executable.

Release v3.2.7 (45 items)

Driver

TES-654

Size [1] was generated at array parameter of undefined size.

Driver

TES-673

Error generating test driver when using concrete values for pointers in dynamic structs.

Instrumenter

TES-655

The instrumenter crashes when processing strings containing more than 512 characters.

Instrumenter

TES-663

Fixed position of user declarations in user source when "Enable User Includes" is set.

Interface Assigner (IDA)

TES-615

Added "Copy Name" command to context menu.

Interface Assigner (IDA)

TES-652

Test data was not reused when only the values of an enum were changed in source.

Interface Assigner (IDA)

TES-687

Fixed assigning different modules in IDA.

Interface Assigner (IDA)

TES-688

When assigning different modules with functions containing irrelevant struct members those functions were marked as not completely assigned.

Interface Assigner (IDA)

TES-690

When a module is analyzed close open IDA Views of this module.

Interface Assigner (IDA)

TES-703

Possible error when automatically assigning external functions during module reuse.

Interface Database (IDB)

TES-510

Array parameter without size specification are now treated as pointer by default.

Enhancement

Interface Database (IDB)

TES-660

Error in interface database when a struct was declared without members in first source and defined and used in second source.

Release v3.2.7 (45 items)

Interface Database (IDB)

TES-677

Error in interface database if a structure contains a function pointer using this structure as parameter.

Interface Editor (TIE)

New Feature

TES-370

Added "Expand All" command to context menu in TIE

Interface Editor (TIE)

TES-642

'Use in Report' and 'Data Format' settings were not stored for advanced stub variables.

Interface Editor (TIE)

TES-676

After saving the interface settings with interface objects still unknown, any subsequent save operation within TIE did not save the current contents.

Parser

TES-624

Parse register declaration of Microchip XC16 (e. g. register T_U16 Accu_A asm("A");).

Parser

TES-656

Added support for multi-character character constants.

Parser

TES-700

Handle `__attribute__((aligned(x)))` at structure components.

Parser

Enhancement

TES-705

Enable usage of preprocessor defines as test data when using IAR compilers. This feature can be disabled for older IAR compiler versions that do not provide define values within the preprocessed source files.

Parser

TES-712

Fixed handling of Functions with a memory modifier for Cosmic Compilers.

Plot View

TES-668

Removed useless error messages when a removed or renamed test object is selected while the plot view is open.

Report

TES-647

The test details reports were not merged into the overview report if different output directories were specified for the details and overview reports.

Release v3.2.7 (45 items)

Report

TES-648

When using the merge option for test details reports into the overview report the test details reports were appended in arbitrary order into the result document.

Report

TES-650

Added test case names into PDF outline of the test details report.

Enhancement

Requirements

TES-665

Fixed enabling of buttons for setting/unsetting semantic equal for version entries within the history view. Also enhanced display of semantic equal state of the selected version elements.

Enhancement

Restore Database (TMB Files)

TES-701

Missing test cases when importing component test from TESSY 2.9 tmb files.

Restore Database (TMB Files)

TES-702

Possible SQL exception when importing module archives with test objects having a CTE file assigned.

Scenario Editor (SCE)

TES-698

Allow usage of defines from user code as parameter or return for component functions.

Test Data Editor (TDE)

TES-502

Allow reverse value ranges for generator test cases (e.g. [5:-5])

Enhancement

Test Data Editor (TDE)

TES-595

Show feedback in Test Data Editor when input is invalid or read-only

Enhancement

Test Data Editor (TDE)

TES-651

Abort 'set pointer target' mode when escape button is pressed.

Enhancement

Test Data Editor (TDE)

TES-678

Creating a dynamic object fails if the option 'Hide empty sections' in interface preferences is active and the dynamic object node in TDE is hidden.

Test Evaluation

TES-675

Fixed evaluation of hexadecimal NULL (0x00000000) for pointers.

Release v3.2.7 (45 items)

Test Execution

Enhancement

TES-622

A test is now only executable when non void stub functions have code for all test items or test object or module code to ensure that the function returns something useful. A warning is issued when a stubbed function with pointer parameter lacks test object or module stub code.

Test Execution

Enhancement

TES-643

Added option to limit number of test objects held in memory when in headless mode

Test Execution

Enhancement

TES-644

Check & prepare test area before test execution

Test Execution

TES-649

A test case is now executable only when all its test steps are executable.

Release v3.2.6 (26 items)

CTE

TES-590

Failed to open read only files with CTE.

CTE

TES-630

Possible missing test data after auto layout in CTE.

CTE

TES-633

Possible missing test data when entering data inside a refinement.

Command Line (tessycmd)

TES-574

Fixed tessycmd commands to remove defines and include paths.

Compiler/Target/Microcontroller

TES-557

Reduced number of breakpoints needed for Cosmic/Zap.

Compiler/Target/Microcontroller

TES-610

Support long double for IAR AVR.

Compiler/Target/Microcontroller

Enhancement

TES-616

Updated e2 studio / RX C(++) template makefiles and configuration.

Release v3.2.6 (26 items)

Component Test

Enhancement

TES-612

Variable `TS_CURRENT_TIMESTEP` available for stubs and user code.

Component Test

TES-617

Possible loss of dynamic objects when reusing component test scenario.

Component Test

TES-638

Fixed entering component function parameter containing '&' and '['].

Coverage Viewer (CV)

Enhancement

TES-523

Tooltips added for names of atoms (i.e. for the column names) within the condition coverage tables.

Driver

TES-609

Fixed resetting `TS_CALL_COUNT` in component test stubs.

Driver

TES-611

Usage of functions as targets for scalar and void pointers.

Environment Editor (TEE)

TES-636

Possible missing inherited attribute values after editing an environment.

Import/Export

TES-631

Fixed importing values from multiple value sheets in Excel.

Import/Export

TES-632

Fixed importing stub code from Excel.

Interface Database (IDB)

TES-608

Error during compare/merge if a bitfield contains fillbits of mixed types (integers and enums).

Interface Editor (TIE)

TES-634

Creating synthetic variable failed when option 'One section for global and external Variables' is active.

Parser

TES-620

Support keywords `_Bool` und `__attribute__` for TI TMS470/570.

Release v3.2.6 (26 items)

Parser

TES-623

Allow `__attribute__((packed))` in cast expressions.

Requirements

TES-641

Error in requirement coverage view after deleting a requirement.

Restore Database (TMB Files)

TES-548

Save & restore requirement linking for scenario test cases.

Test Data Editor (TDE)

TES-597

Treat single input value for advanced stub return value vector similar to single value inside { }.

Test Database (TDB)

TES-601

If only the value of define used as testdata changes in a sourcefile, the value of the define is not changed in the test database. Following tests are executed with the old values.

Test Database (TDB)

TES-639

Possible sort order problem of interface variables (if advanced stub functions were used) could cause the displayed interface in TDE being empty.

Test Execution

TES-594

Added preference option to display folders before modules

Enhancement

Release v3.2.5 (11 items)

Command Line (tessycmd)

TES-584

tessycmd may run out of internet handles when executing a huge amount of test objects.

Compiler/Target/Microcontroller

TES-579

Implemented C++ support for Renesas RX compiler.

New Feature

Coverage Measurement

TES-592

Functions without any conditions will now be treated differently than in previous TESSY versions: When called at least once, the single entry point into the function will result in 100% coverage for DC, MC/DC and MCC coverage measurements. Formerly, no coverage result was available for such functions due to the lack of conditions.

Enhancement

Release v3.2.5 (11 items)

Driver

TES-571

Possible wrong order of declarations of structures in driver if an array of structures is used inside a struct.

Driver

TES-576

Error in test driver for component test with OUT->OUT pointer to dynamic object.

Instrumenter

TES-572

Error instrumenting sources with '\$' in variable names.

Parser

TES-583

Support #pragma inline=forced for IAR MSP430.

Restore Database (TMB Files)

TES-580

Erroneous 0 value in test data of enum values when importing CTE test cases from Tessy 2.9 TMB files where enum constants were used as value assignments within CTE tree elements.

Scenario Editor (SCE)

TES-570

Do not show empty time steps in actual calltrace view when a filter is applied.

TESSY (General)

TES-546

Optional command line parameter for setting the SOURCE_ROOT added to tessyd.exe.

New Feature

TESSY (General)

TES-568

Possible crash of task executor process for commands without any command line arguments.

Release v3.2.4 (13 items)

Driver

TES-564

Error in generated driver file for static local pointer that is OUT->OUT and targeting a dynamic object.

Import/Export

TES-555

Test data values for advanced stub function variables are missing after test data import if the variable data type is structure passed by value.

Import/Export

TES-556

Stub functions without any stub code are missing in the test object export file.

Release v3.2.4 (13 items)

Instrumenter

TES-551

Possible wrong input and/or expected value for static local variables having an initialization value surrounded with curly braces.

Interface Assigner (IDA)

TES-562

Fixed reuse of defines used as parameter or return value in component functions.

Interface Database (IDB)

TES-503

Automatic reuse of test objects where only irrelevant structure components have changed.

Enhancement

Interface Database (IDB)

TES-527

Error loading test run that contains a function moved from unused functions to the interface that calls another unmoved function that uses a static local variable.

Interface Editor (TIE)

TES-553

Added "Copy Name" command to context menu in TIE

New Feature

Parser

TES-519

Fixed handling of IAR compiler specific constants 0.nan, 0.infinite, and special function `__c99_generic(...)`.

Parser

TES-565

Support type bool for Microchip XC8 and XC16 compiler.

Report

TES-429

Project description field now available within test details report data sets.

Enhancement

Restore Database (TMB Files)

TES-542

Restore requirements and coverage settings via command line

Scenario Editor (SCE)

TES-559

Enum values were displayed with their numeric value instead of the enum name within the parameter and return value properties of called component functions.

Release v3.2.3 (8 items)

Coverage Measurement

New Feature

TES-547

Added support for MISRA do {...} while(0) macros: Those while loops will be left out of scope for coverage calculation.

Import/Export

TES-545

Fix for ReqIF importer handling requirements with string ids.

Parser

TES-543

Parser error on duplicate typedef of a function pointer.

Restore Database (TMB Files)

TES-544

Possible missing stub code after module backup restore.

Scenario Editor (SCE)

Enhancement

TES-549

Fixed entering variable names for component function parameter and return.
Allow to enter compare operators (==, !=, <=, >=, <, >) for component function return.

Scenario Editor (SCE)

TES-550

Avoid infinite loop while trying to display the call trace for a scenario if a component function is called more than once.

TESSY (General)

TES-536

Optimized start/stop operation of the DERBY database on TESSY startup/shutdown.

Test Database (TDB)

TES-541

OutOfMemory exception when trying to import module archives containing test objects with very large arrays (> 8 MB of data).

Release v3.2.2 (17 items)

ASAP Conversion

TES-512

Error in ASAP evaluation when a calculated value is outside the normal variable types boundary.

CTE

TES-517

Changing the name of a test sequence inside CTE has no effect inside TESSY.

Release v3.2.2 (17 items)

Component Test

TES-533

Missing stub code when importing component test module archives created with TESSY version prior to 3.0.

Instrumenter

TES-500

The instrumenter may crash on conditions with more than 16 atoms.

Instrumenter

TES-530

The instrumenter fails on IAR specific special floating point function isnan.

Instrumenter

TES-534

The instrumenter crashes on functions containing more than 32 switch statements.

Interface Assigner (IDA)

New Feature

TES-70

Reuse of all test objects of a module in IDA by selecting the module for reuse.

Interface Database (IDB)

TES-532

Possible error comparing interface databases containing structures declared inside structures.

Interface Database (IDB)

TES-539

Possible inconsistent passing directions in struct components after analyze or reuse.

Interface Editor (TIE)

TES-507

An artificial variable of a structured type that was declared with pack pragma in the user source lacked the pragma.

Report

New Feature

TES-376

Notes assigned to modules, test objects and test cases can now be added to the test details report (by selecting the new report option "Show Notes").

Restore Database (TMB Files)

TES-514

Possible SQL exception when importing module archives having a test database that contains no longer referenced test data.

Scenario Editor (SCE)

TES-513

Exceptions in Senario View when showing C code fragments with leading empty lines.

Release v3.2.2 (17 items)

Scenario Editor (SCE)

TES-516

Error loading empty Scenarios.

Scenario Editor (SCE)

TES-537

Call trace filter may not work correctly for calls from work task.

TESSY (General)

TES-497

Reworked database process management to avoid leaving running nonfunctional daemon processes when exiting TESSY.

TESSY (General)

TES-518

Skip database verification when saving a module that has not been analyzed.

Release v3.2.1 (14 items)

Coverage Viewer (CV)

Enhancement

TES-90

All views of the CV can be used in other perspectives.

Coverage Viewer (CV)

TES-404

Refresh only currently selected test objects while executing tests.

Interface Assigner (IDA)

New Feature

TES-214

Assignment of interface settings and test data from any test object to another.

Interface Assigner (IDA)

TES-390

The commit button within IDA closed all open interface assignment views but actually committed only the currently active one.

Report

Enhancement

TES-443

Optional timer result measurements added to test details report.

Restore Database (TMB Files)

Enhancement

TES-498

Notes will be saved and restored to/from TMB files

TESSY (General)

New Feature

TES-200

New filter for test objects within the test project view introduced. Unwanted test objects can be excluded from the project tree.

Release v3.2.1 (14 items)**TESSY (General)*****New Feature***

TES-287

Added filter inputs to Test Project view and Save/Restore database dialog.

TESSY (General)***New Feature***

TES-369

Support static analysis tools Cppcheck and PC-lint.

TESSY (General)***Enhancement***

TES-424

The path to the TESSY_TESTAREA may now be provided on the command line for silent installations.

TESSY (General)***Enhancement***

TES-458

Allow setting default environment for a project

Test Database (TDB)***Enhancement***

TES-46

- Split Plot View into two separate views for defining and displaying plots.
 - Plots can now be generated by headless application.
 - Dynamic objects and array elements can now be used within plots.
-

Test Execution***New Feature***

TES-407

Report output can now be in PDF, HTML, or Microsoft Word (.docx) format

Usercode Editor (UCE)***New Feature***

TES-335

Allow defining global default prolog/epilog for test cases and test steps
