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Release Notes

Release v4.0.27 (12 items)

Application Notes

TES-2485

Fixed TESSY samples path for CodeWarrior legacy application note.

Compiler/Target/Microcontroller

TES-2803

Added missing linker file variable to HighTec TriCore/winIDEA makefile template.

Component Test

TES-2980

Fixed possible loss of test data for dynamic objects if a pointer is removed from the interface.

Driver

TES-3090

User defines where visible in slave control file

Interface Database (IDB)

TES-2817

Fixed handling of multi dimensional array parameter used as pointer.

Parser

TES-2836

Possible incomplete list of called functions when functions are used recursively.

Report

TES-3004

Fix plots not being rendered in reports in Windows 10 versions newer than 1803.

Release v4.0.27 (12 items)

Requirements

TES-3003

Test case links could get lost in certain situations: Changes of test case links (adding, updating or deleting links) caused all not altered links of all test cases of the respective test object to be lost if TESSY was restarted. As a workaround, when executing such test objects after changing the links, the changes were persisted correctly and no links were lost.

Requirements

TES-3032

Fix display error in VxV matrix view when adjusting column width.

TESSY (General)

TES-2802

Fixed missing working directory when running "Check Source" command on newly created modules.

TESSY (General)

TES-2820

Removed obsolete "Show Results" menu entry.

TESSY (General)

TES-3108

Fixed potential race condition when starting TESSY which caused the derby demon to be terminated.

Release v4.0.26 (26 items)

Batch Operation

TES-2626

Fixed endless loop during batch test execution when restoring TMB files containing unknown module environments.

C++

TES-2560

Missing name for enums declared inside a structure.

C++

TES-2605

Fixed generating driver for dynamic object of class containing bitfield with fill bits.

Compiler/Target/Microcontroller

TES-2593

TRACE32: Deleting flag files before test run.

Coverage Viewer (CV)

TES-2597

Fixed erroneous line and column information within CV when a parameter list of a test object contained line breaks.

Release v4.0.26 (26 items)

Driver

TES-2565

Erroneous casts were generated for TASKING XC166 VX compiler for some memory modifiers.

Driver

TES-2587

Fixed generated code for function local typedefs.

Driver

TES-2600

Fixed generating driver for class with self referencing pointer.

Driver

TES-2615

Fixed problem with pointers targeting struct components that have the same address as the struct itself.

Driver

TES-2617

Fixed missing "void" declaration in empty parameter list of a test driver slave function.

Enhancement

Driver

TES-2646

Fixed evaluating pointer targets inside structs/unions with equal address and different names (e.g. &struct and &struct.first_member).

Environment Editor (TEE)

TES-2773

Fixed synchronization problems while reloading the TEE configuration into TESSY when the TEE contents were saved. Also prevent TEE from being closed when test executions are aborted within TESSY.

Instrumenter

TES-2544

Fixed wrong instrumentation if a function to stub is used inside an initializer list.

Instrumenter

TES-2670

The instrumenter failed to find the test object to instrument, if the function signature is prefixed with `__attribute__((...))`. [e.g. `__attribute__((noinline)) int Test (void)`]

Interface Assigner (IDA)

TES-2698

Fixed reusing pointer targeting an array that is a component in a struct array.

Interface Database (IDB)

TES-2566

Fixed adoption of passing directions that were changed by the user when the option 'Update passing directions on module analysis' is disabled.

Release v4.0.26 (26 items)

Interface Database (IDB)

TES-2588

Fixed adoption of passing directions of advanced stub variables that were changed by the user when the option 'Update passing directions on module analysis' is disabled.

Interface Database (IDB)

TES-2677

Improved performance of defines parser.

Enhancement

Interface Editor (TIE)

TES-2592

It was possible to change passing of fillbits to other than IRRELEVANT with CLANG enabled.

Notes View

TES-2563

Notes assigned to modules, test objects or test cases will now display the full path (test collection/folder/module/test object) within the test project as source object name within the notes view and overview reports.

Enhancement

Parser

TES-2570

Fixed possibly missing interface variables if a GCC assembler function is present.

Parser

TES-2685

Passdirection of IRRELEVANT array parameter used as pointer was set to IN.

Report

TES-2627

Fixed problem with report generation (premature end of file error caused by corrupted XML report file) that caused the execution in batch mode being terminated with error.

TESSY (General)

TES-2237

Fixed erroneous merging of tessy.conf files from newer TESSY v4.1 and v4.0 versions.

Test Data Editor (TDE)

TES-2601

Fixed using special *min*/*max* values as input range values for generator test cases.

Test Execution

TES-2715

Added option to automatically retry execution for aborted test objects.

Enhancement

Release v4.0.25 (31 items)

C++

TES-2415

Fixed invalid interface database if a superfluous typedef is used.

Release v4.0.25 (31 items)

C++

TES-2453

For method parameters of type "class", the name printed within the test report was always "**this*" and member variables of constructor parameters were not listed within the test report.

C++

TES-2463

Fixed declaration of extern stub functions with class by value parameter.

C++

TES-2478

If a template class has multiple overloaded operators starting with '<' (e.g. operator <) stubbing of the operator method could fail.

CTE

TES-2444

Fixed error opening CTE perspective when the interface contains a union that has passing IN/OUT with all components IRRELEVANT.

Compiler/Target/Microcontroller

TES-1197

Added CLANG support for TASKING XC166 VX.

Enhancement

Compiler/Target/Microcontroller

TES-1430

Improved winIDEA adaption so that (optionally) one instance of the IDE can be used for all tests.

Enhancement

Compiler/Target/Microcontroller

TES-1566

New combination for Green Hills MPC compiler with PLS UDE debugger.

New Feature

Compiler/Target/Microcontroller

TES-2285

New combination for Green Hills TriCore compiler with PLS UDE debugger.

New Feature

Compiler/Target/Microcontroller

TES-2318

Added CLANG Support for Atollic ARM compiler.

Enhancement

Compiler/Target/Microcontroller

TES-2522

Adapted FreeScale Metrowerks S12Z for use with CLANG parser.

Component Test

TES-1771

Generate master code without compiler warnings for component test using dynamic objects.

Release v4.0.25 (31 items)

Driver

TES-2445

Fixed generating code for arrays of structs/unions declared inside structs.

Driver

TES-2509

Fixed evaluating addresses inside structs for pointers to different targets with same address (e.g. first component of a substruct and substruct).

Import/Export

TES-2469

Fixed import of return value of C++ functions with multiple parameters.

Instrumenter

TES-2520

Fixed instrumenting return statement with preceding `_Pragma` directive.

Interface Database (IDB)

TES-2451

When a struct type modifier changed it was not always applied after analyzing the module.

Interface Database (IDB)

TES-2454

Fixed error loading test data after reuse if a pointer pointer passing was set manually from IN->IRRELEVANT to IN->IN.

Interface Database (IDB)

TES-2516

Fixed show/hide static and inline functions in module.

Interface Editor (TIE)

TES-2410

Fixed validation in "Create Variable" dialog in test interface editor TIE.

Parser

TES-2094

Added CLANG support for the Cosmic STM8 compiler.

Enhancement

Parser

TES-2403

Fixed a possible stack overflow that could occur if an expression with too many nested brackets is used. If the error 'bracket nesting level exceeded maximum of 256' now occurs when analyzing the module, then the option `-fbracket-depth=N` (e.g. `-fbracket-depth=512`) must be set in the 'Parser Options' attribute.

Parser

TES-2405

The parser error 'passing ... changes address space of pointer' was fixed. This error occurred if a function in the parameter list had an address space modifier [e.g. `void callee (void near *p);`], but the current parameter in the call did not.

Release v4.0.25 (31 items)

Parser

TES-2412

Fixed parsing typedefs with integrated memory modifiers (e.g. typedef near struct str NEAR_STR;)

Report

TES-2401

Fixed short path names in coverage reports.

Enhancement

Report

TES-2521

Inherited prolog/epilog was missing in details report of variant test objects.

Test Data Editor (TDE)

TES-2380

Fixed setting pointer to array and creating dynamic object for pointer to array.

Test Data Editor (TDE)

TES-2481

If there are no parameter names in the signature of a constructor and a dynamic object was created for the class, no test data could be saved for these parameters.

Test Database (TDB)

TES-2439

Implemented rollback mechanism for CTE test data to avoid data loss in case of errors while saving.

Enhancement

Test Evaluation

TES-2470

Fixed evaluation of very long advanced stub vector values.

Test Execution

TES-2327

Test objects might be not executed in batch test due to a race condition when reading CVS information from source files.

Release v4.0.24 (7 items)

C++

TES-2342

Fixed generated code for constructor with a class reference parameter of a class also having a constructor with class reference parameter.

Compiler/Target/Microcontroller

TES-2307

Updated winIDEA / Green Hills MPC makefile template.

Parser

TES-2360

Parameter accessed only in a void cast statement are considered IRRELEVANT.

Release v4.0.24 (7 items)

TESSY (General)

TES-2190

Fixed problem with icon rendering on computers with >100% windows font scaling. This fix was erroneously already reported for version v4.0.23 and v4.1.7 of TESSY.

TESSY (General)

TES-2359

Fixed painting artefacts when resizing coverage columns within test project view and result columns within test item view.

TESSY (General)

TES-2374

Creating support files could fail due to blocking of "CoFreeUnusedLibraries" native method. In TESSY.ini set `-Dorg.eclipse.swt.internal.ole.win32.FreeUnusedLibraries=false` to prevent the method call if TESSY freezes when creating a support file.

Usercode Editor (UCE)

TES-2369

Usercode (stub code and prolog/epilog) could be corrupted after a reuse operation and subsequent changes of usercode. This could happen in the following cases:

- If constants of enum types were used in usercode which are only available within the signature of external called functions.
- If variables, enum constants or defines used within usercode were renamed and not properly assigned within IDA during the reuse operation.

Release v4.0.23 (57 items)

C++

TES-2200

Erroneous declarations of references to arrays were generated into the test driver code.

C++

TES-2201

The generated functions of the test driver application contained invalid characters for test objects with arrays of templates.

C++

TES-2205

An invalid test driver was generated for templates using the bool type.

C++

TES-2233

Fixed generated code for dynamic structures from a pointer declared in a different source than a pointer targeting an address inside the structure.

C++

TES-2255

If a class has a function template and a method with the same name, the instrumenter was not able to instrument that method.

Release v4.0.23 (57 items)

C++

TES-2273

Generate possibly needed destructor to union containing dynamic objects.

C++

TES-2289

Fixed possible error calculating coverage for classes containing template methods.

C++

TES-2294

Fixed generating driver for pointer pointer to class.

C++

TES-2297

Fixed displaying names of dynamic classes within TDE.

C++

TES-2328

Fixed erroneous test driver for pointer members in class references.

Command Line (tessycmd)

TES-814

Improved handling of license problems in TESSY headless mode.

Compiler/Target/Microcontroller

TES-2054

Fix CLANG parser error concerning Green Hills V850 compiler.

Compiler/Target/Microcontroller

TES-2066

Switched default interface analyze parser for IAR ARM V5 to CLANG.

Compiler/Target/Microcontroller

TES-2145

New TASKING C/C++ compiler for ARM adapted in conjunction with Lauterbach TRACE32.

New Feature

Compiler/Target/Microcontroller

TES-2203

Fixed build problem concerning Keil C51 compiler and uVision.

Compiler/Target/Microcontroller

TES-2251

New combination for ARM V6 with TRACE32.

New Feature

Compiler/Target/Microcontroller

TES-2257

Added C++ support for Microchip XC32 with MPLAB X.

New Feature

Release v4.0.23 (57 items)

Compiler/Target/Microcontroller

TES-2282

Fixed makefile template for GNU Tools for ARM.

Compiler/Target/Microcontroller

TES-2303

Fixed communication makefile of GHS v850 / TRACE32.

Compiler/Target/Microcontroller

TES-2315

Added board files section for Tasking VX XC166 / Lauterbach TRACE32 makefile template.

Defines

TES-2048

IAR STM8 and IAR RL78: Collect defines from C files.

Defines

TES-2204

Missing values for defines, if there is a comment behind the define. [e.g. #define One 1 /* this is one */]

Driver

TES-2196

Testing memset with instrumentation was not possible.

Driver

TES-2232

Fixed missing send/receive function prototypes for structures in case of multiple source files within a module.

Driver

TES-2234

Fixed wrongly generated test driver if test object parameter names conflicted with structure component names.

Driver

TES-2236

If a define was used in the user code for which the parser could not calculate a value, then the test driver failed to compile.

Import/Export

TES-2281

Fixed import of anonymous struct/union components

Instrumenter

TES-2246

Fixed instrumenting methods returning a struct pointer.

Interface Assigner (IDA)

TES-2275

Fixed error reusing a test object from old parser containing an array parameter used as pointer when analyzed with new CLANG parser.

Release v4.0.23 (57 items)

Interface Assigner (IDA)

Enhancement

TES-2296

New enum constants shall not display a warning within the new interface of a test object.

Interface Assigner (IDA)

TES-2312

Fixed automatic assignment of enum constants in typedefs when switching to CLANG parser.

Interface Database (IDB)

TES-2192

The tag name was missing at recursive structs.

Interface Editor (TIE)

TES-2314

Fixed possible Null Pointer Exception when moving a variable or function from unused to used section.

Parser

TES-866

Added `__inline` to Green Hills type table file.

Parser

TES-2173

Fixed `__in64` parser error for ARMv5 using CLANG parser.

Parser

TES-2199

Added long double type to HighTec TriCore type table file.

Parser

Enhancement

TES-2219

Added support for global anonymous unions.

Parser

TES-2228

Fixed IAR ARM type table concerning type `_Bool`.

Parser

TES-2252

Fixed computing array size if `sizeof struct` is used as array size.

Parser

TES-2310

Extern variables were missing in interface if declared inside a function body.

Parser

TES-2311

Added parser option `-write-init-collector` to collect external variables that are used to initialize a global variable which is not used by any test object.

Release v4.0.23 (57 items)

Parser

TES-2324

Fixed erroneous type modifier at return type for Cosmic compiler.

Parser

TES-2330

Fixed possible invalid characters in IDB files, when a second file contains a function template specialization.

Project Handling

TES-1801

Changing the SOURCEROOT of a project from a directory inside the PROJECTROOT to a directory outside the PROJECTROOT was not persisted within the PDBX file.

Report

TES-2156

Optimized parsing of CVS infos from source and header files.

Enhancement

Save/Restore Database (TMB Files)

TES-2268

Fixed missing user code when importing v2.9 TMB module archives.

TESSY (General)

TES-1139

Dynamically choose a port for communication with the DERBYD database demon process to avoid port conflicts when running different TESSY versions concurrently.

Enhancement

TESSY (General)

TES-1264

Validate compiler and target install paths before analyzing modules.

Enhancement

TESSY (General)

TES-2206

An error message was printed into the console if a report was generated for executed test objects with missing expected values for output arrays.

TESSY (General)

TES-2222

Prevent to create attributes on test collection or folder level because such attributes will not be persisted when backing up the project.

TESSY (General)

TES-2322

Fixed possible TESSY startup error on computers with low performance.

Test Data Editor (TDE)

TES-1048

Fixed random test data initialization with given ranges for unsigned long variables: Allow up to maximum unsigned long value.

Release v4.0.23 (57 items)

Test Data Editor (TDE)

TES-1873

Fixed conversion of data format to "String" for integer arrays. The data format for all array elements will now correctly be "Character".

Test Data Editor (TDE)

TES-2244

Fixed missing updates of user code views (especially call trace view) on creation of views and on certain subsequent selections within test project, test item and test data views.

Enhancement

Test Data Editor (TDE)

TES-2263

Functions that were called directly by the test object were not visible in the available functions list of the call trace view if they were also called by stubbed functions.

Test Execution

TES-2207

Avoid garbage output from ts_pathname.exe if an empty path is passed

Variant Management

TES-2202

Correctly initialize the inherited call trace for variant test steps when the attribute "Default Call Trace Evaluation" is overwritten in the environment editor TEE.

Release v4.0.22 (26 items)

Command Line (tessycmd)

TES-2183

Validation matrices were not restored via command line client.

Compiler/Target/Microcontroller

TES-2130

Fixed debugger problem for large tests concerning Tasking's script debugger.

Compiler/Target/Microcontroller

TES-2139

STVD: Fixed interactive debugging problem and optimized non-interactive test runs.

Compiler/Target/Microcontroller

TES-2140

Updated Cosmic STM8 makefile template.

Compiler/Target/Microcontroller

TES-2160

Fixed Compiler Call attribute for the ARMv6 compiler.

Release v4.0.22 (26 items)

Compiler/Target/Microcontroller

TES-2171

Added new target handler script for MPLAB X V4.20.

Compiler/Target/Microcontroller

TES-2184

Fixed NI LabWindows/CVI adaption.

Component Test

TES-2147

Fixed possible loss of test data during automatic reuse of component test.

Coverage Viewer (CV)

TES-1831

Fixed showing faded flow chart when next/previous unreached conditions/branches buttons are pressed. Also fixed missing selection of unreached branches. This fix was erroneously already reported for version v4.0.19.

Driver

TES-2135

The define TESSY_SOURCE_NR was not generated into the source file for compiler gcc with instrumentation.

Driver

TES-2144

Fixed declaration of helper variables for advanced stub methods in namespace.

Driver

TES-2166

Test run aborted when the constructor of the test objects class called an unused external function.

Environment Editor (TEE)

TES-1404

Updated TASKING VX configuration and facilitated flash handling.

Instrumenter

TES-2123

The Instrumenter failed when C++11 extended initializer lists were used.

Instrumenter

TES-2126

Possible wrong instrumentation if sizeof was used in conjunction with stubs.

Interface Database (IDB)

TES-2182

Fixed recognizing new pass direction at class members.

Makefile Templates

TES-1098

Changed default test object build path to \$(MODULEPATH).

Enhancement

Release v4.0.22 (26 items)

Parser

TES-2127

The parser failed on @PA_ODR:7 because the TKS did not remove the @ expression.

Parser

TES-2158

Fixed possible erroneous type modifiers at parameters for Cosmic compiler.

Parser

TES-2165

Wrong IDB if typedef const struct {} name; was used

Parser

TES-2179

Recognize predefined compiler variable __func__.

Project Handling

Enhancement

TES-2109

New preference option to open the last project on startup.

Scenario Editor (SCE)

TES-2148

Don't allow editing CTE test data for scenarios.

TESSY (General)

Enhancement

TES-1988

Add option --cleanup to TESSYD to cleanup before starting the JAVA process.

Variant Management

TES-2039

Fixed inheritance of test data for values within nested arrays with structs/unions.

Variant Management

TES-2121

Fixed problem with inherited call traces.

Release v4.0.21 (4 items)

Compiler/Target/Microcontroller

Enhancement

TES-938

Optimized IAR C-SPY test execution and enabled headless command line execution using CSPYBAT.

Driver

TES-2113

Fixed generated code order for union arrays declared inside a struct.

Release v4.0.21 (4 items)

Interface Editor (TIE)

Enhancement

TES-2115

Enhanced Performance when opening TIE with huge interfaces.

TESSY (General)

TES-2111

Wrong version number v4.0.19 was displayed within the TESSY setup and reports for TESSY version v4.0.20.

Release v4.0.20 (41 items)

ASAP Conversion

TES-2079

Fixed error converting value from integer to physical or vice versa when the variable name is empty.

C++

TES-1948

Fixed potential error when retrieving typedef name of anonymous struct/union.

C++

TES-2006

Error generating test driver when when two classes reference each other and both classes have the same base class.

C++

TES-2023

If a constructor used by the test object is also called during the start up of the executable the test execution failed.

C++

TES-2043

Code for IRRELEVANT template variables is not generated anymore.

Command Line (tessycmd)

TES-2007

When switching to demon mode, the TI loses the headless mode information. This causes message boxes to be displayed in case of an error. If the test execution runs under CI control, the test job is blocked.

Command Line (tessycmd)

TES-2098

Fixed missing error message on command line when invoking PTU file import on module level using tessycmd.

Compiler/Target/Microcontroller

New Feature

TES-1825

New adaption of DS-5 debugger for Keil ARM V5 and ARM V6 compiler.

Compiler/Target/Microcontroller

New Feature

TES-1995

New combination for ARM V5 compiler and SEGGER J-Link debugger.

Release v4.0.20 (41 items)

Compiler/Target/Microcontroller

TES-2040

Add Generate Builtin Data feature to Tasking VX / Tasking TriCore for ctc compiler collection.

Compiler/Target/Microcontroller

TES-2041

Fixed Metrowerks S12Z type table file.

Compiler/Target/Microcontroller

TES-2044

New adaption of Keil ARM V6 compiler for ARM DS-5 and Keil uVision5.

New Feature

Compiler/Target/Microcontroller

TES-2049

New combination for Wind River RH850 compiler and Lauterbach TRACE32 debugger.

New Feature

Compiler/Target/Microcontroller

TES-2071

New combination for TI TMS 570 compiler and Lauterbach TRACE32 debugger.

New Feature

Compiler/Target/Microcontroller

TES-2072

Fixed IAR 8051 compiler configuration. Attribute "Config Header File" was missing.

Driver

TES-1949

Fixed error in generated test driver if static local variables of local tag types were used.

Driver

TES-2017

Fixed setting breakpoint for C++ test objects.

Driver

TES-2026

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

Enhancement

Driver

TES-2031

Fixed guard for user declarations in template file used with enabled user includes.

Driver

TES-2096

Fixed generating extern declaration of global variables with pragma directive.

Import/Export

TES-2027

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

Release v4.0.20 (41 items)

Instrumenter

TES-1970

TSCI crashed if case labels with more than 1024 characters were used.

Instrumenter

TES-2085

Fixed instrumenting source containing an enum constant initialized with sizeof().

Instrumenter

TES-2086

Fixed instrumenting source containing name space with `__attribute__` directive.

Instrumenter

TES-2102

Possibly wrong instrumentation if a C++ class has more than one constructor.

Interface Editor (TIE)

TES-1020

After module analysis, changed passing directions of variables are now adopted if they have not been changed by the user and if not resulting in possible loss of test data.

Parser

TES-1005

Support keyword `__builtin_va_list` for HighTec TriCore

Parser

TES-1680

Wrong block number for static local variable declared after a for loop.

Parser

TES-1975

Fix recognition of passing directions of function pointers and `**` objects.

Parser

TES-2080

Fixed parsing methods with function pointer parameter that uses own class as parameter.

Parser

TES-2088

Fixed parsing asm statement with comments containing parentheses.

Parser

TES-2091

Fixed parsing target compiler specific memory modifiers at pointers.

Save/Restore Database (TMB Files)

TES-1817

Added expand/collapse all functionality to Save/Restore Database dialog and don't automatically expand all elements when initially restoring a project.

Enhancement

Release v4.0.20 (41 items)

Save/Restore Database (TMB Files)

Enhancement

TES-2021

Automatically create missing coverage selections during database restore.

TESSY (General)

Enhancement

TES-1894

Added option to store the database in the local application data directory (%APPDATA%).

TESSY (General)

TES-1984

Fixed issue where overwritten attributes could not be edited after restarting TESSY.

Test Data Editor (TDE)

TES-1990

Changed behavior of "Show Array Elements" command in TDE to exclusively show the specified array elements.

Usercode Editor (UCE)

Enhancement

TES-2030

Handling of not existing functions within calltrace enhanced.

Variant Management

TES-1967

Changed passing direction of a variable in a variant module was overwritten during synchronization with the parent module.

Variant Management

TES-2036

A synthetic variable or a variable moved from unused to used within the test object interface was set to IRRELEVANT after first synchronization of a variant module.

Variant Management

TES-2037

A function that existed in a variant module but not in the parent module lost its stub settings during synchronization.

Release v4.0.19 (58 items)

C++

TES-827

Fixed instrumenting static function local variables in deeper scopes.

CTE

TES-1891

Fixed error that saving a CTE documents deletes a call trace that was set with 'Actual to Expected'.

Release v4.0.19 (58 items)**Compiler/Target/Microcontroller*****New Feature***

TES-1653

Added C++ support for HighTec GNU PPC and TriCore with PLS UDE. Was erroneously announced with v4.0.18.

Compiler/Target/Microcontroller***New Feature***

TES-1659

New combination for Green Hills MPC compiler and Freescale CodeWarrior 10.7. Was erroneously announced with v4.0.18.

Compiler/Target/Microcontroller***New Feature***

TES-1712

Added new combination for GNU Tools for ARM and Keil uVision.

Compiler/Target/Microcontroller***New Feature***

TES-1713

New combination for IAR RL78 compiler and iSystem winIDEA.

Compiler/Target/Microcontroller***Enhancement***

TES-1824

Updated HighTec configurations.

Compiler/Target/Microcontroller

TES-1845

Fixed Cosmic S12Z / iSYSTEM winIDEA makefile template.

Compiler/Target/Microcontroller

TES-1846

Updated IDB and TKS file for IAR ARMv5.

Compiler/Target/Microcontroller***New Feature***

TES-1848

New combination for GNU Tools for ARM with Lauterbach TRACE32.

Compiler/Target/Microcontroller

TES-1851

IAR C-Spy: Optimized debugger start.

Compiler/Target/Microcontroller

TES-1860

For Keil uVision: regard executable's file extension.

Compiler/Target/Microcontroller

TES-1867

Fixed makefiles for Green Hills ARM / iSYSTEM winIDEA.

Compiler/Target/Microcontroller

TES-1875

Old Version 3.3 of IAR 78k0 compiler is now obsolete. Select 'Show Obsolete Entries' within TEE to use it.

Release v4.0.19 (58 items)

Compiler/Target/Microcontroller

TES-1876

Hitex compiler and HiTOP debugger are now obsolete. Select 'Show Obsolete Entries' within TEE to use them.

Compiler/Target/Microcontroller

TES-1915

Fixed makefile template for Wind River TriCore / PLS UDE.

Compiler/Target/Microcontroller

TES-1932

Added Makefiles for TASKING VX / TASKING TriCore to compile with ctc instead of cctc.

Driver

TES-1832

For a synthetic class variable a default constructor was generated even if the class already had one.

Driver

TES-1861

Error in Testdriver when a structs typedef name and tag name are equal and a synthetic pointer is created of that type and a dynamic object is used as pointer target for the pointer.

Driver

TES-1878

Fixed possible error generating driver when a pointer inside a dynamic structure targets a dynamic object.

Driver

TES-1880

Fixed possible error in driver if the same struct is used with its tagname and a typedefname for different Variables.

Driver

TES-1924

Fixed error generating driver when a struct typedef is used as base class.

Driver

TES-1961

Do not generate struct forward declarations for Tasking C166.

Instrumenter

TES-1841

Fixed instrumenting test object that follows directly after a function that uses a template in the body.

Instrumenter

TES-1843

Fixed instrumenting functions following a friend declaration.

Instrumenter

TES-1901

Fixed instrumentation when extern "C" follows a namespace declaration.

Release v4.0.19 (58 items)

Instrumenter

TES-1934

Fixed instrumenting operator [] method.

Interface Assigner (IDA)

Enhancement

TES-1766

Improved warnings in IDA. The user is asked if he really wants to commit the assignment only if there is a possible loss of test data. Variables that were automatically assigned but forced a reuse due to type change or change of array size are now marked with a warning icon.

Interface Assigner (IDA)

TES-1931

Fixed verifying test data after renaming a test object.

Interface Assigner (IDA)

TES-1937

Fixed possible change of enum constants used in user code after reuse.

Interface Assigner (IDA)

TES-1957

Fixed context menu for root elements on target side.

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.

Interface Database (IDB)

TES-1868

Possible error reading idb when generating driver for recursive structures.

Interface Database (IDB)

TES-1871

Automatic reuse fails if a module contains more than 500 Functions (known and external).

Interface Editor (TIE)

TES-1835

Passing of class members became IRRELEVANT when a synthetic class object was deleted from a method.

Parser

TES-1830

Fixed missing const modifier at function pointer.

Parser

TES-1833

Fixed determining size of type int for 16 bit compiler.

Release v4.0.19 (58 items)

Parser

TES-1896

Error instrumenting operator > methods if a class contains more than one of these methods.

Parser

TES-1905

Mark interface incomplete if a structure contains a flexible array member.

Parser

TES-1952

Support keyword `__malloc__` for Tasking XC166 VX.

Parser

TES-1955

Possible missing type modifier for top level reference and pointer objects.

Preprocessing

TES-1918

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

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.

Scenario Editor (SCE)

TES-1716

Fixed possible id clash in scenario time steps.

TESSY (General)

TES-1758

New compiler GNU GCC Cygwin adapted.

New Feature

TESSY (General)

TES-1838

Analysis of interface can now be skipped for an entire TESSY session when opening a module holding the 'shift' key.

Enhancement

Test Data Editor (TDE)

TES-1818

Fixed bug where the context menu for time step column headers in the Test Data Editor would not show.

Release v4.0.19 (58 items)

Test Data Editor (TDE)

Enhancement

TES-1834

Disallow usage of the copy constructor to create C++ objects.

Test Data Editor (TDE)

TES-1883

Fixed setting pointer to a component of a struct that is a class member.

Test Database (TDB)

TES-1902

Fixed loading test data for class parameters that are passed by value.

Test Evaluation

TES-1923

Fixed instrumenting methods of a class declared inside a class.

Test Execution

New Feature

TES-1927

Support pre-analyze, pre-execute and post-execute batch scripts

Variant Management

TES-1864

Fixed handling of call trace in variant modules.

Variant Management

TES-1865

Fixed missing stub code for local functions in variant test objects.

Variant Management

TES-1866

Fixed handling of prolog/epilog for variant test objects.

Variant Management

TES-1965

Fixed possible loss of data in variant module after analyzation of variant and new synchronisation.

Release v4.0.18 (64 items)

C++

TES-1717

Wrong name for template classes if numbers are used as template parameter.

C++

TES-1719

For a class with a constructor with all parameters defaulted a default constructor was generated leading to a compiler error.

Release v4.0.18 (64 items)

C++

TES-1745

Fixed possible error opening modules with structs containing pointer to it self.

C++

TES-1746

Wrong test driver if synthetic class variables are used but the class lacks a default constructor.

Compiler/Target/Microcontroller

TES-1678

Updated configuration for TASKING VX TriCore and XC166.

Compiler/Target/Microcontroller

TES-1682

Fixed makefile template for uVision UVSC / Keil C51 concerning startup code.

Compiler/Target/Microcontroller

TES-1690

Updated Green Hills MPC makefile templates.

Compiler/Target/Microcontroller

TES-1715

Updated CodeWarrior 5/10 configuration for hcs12/s12x/s12z.

Compiler/Target/Microcontroller

TES-1740

New adaption of QEMU for GNU Tools for ARM and Linaro compilers.

New Feature

Compiler/Target/Microcontroller

TES-1769

Updated TEE configuration for Tasking VX.

Compiler/Target/Microcontroller

TES-1781

Updated Code Composer Studio configuration to support version 7.2.

Compiler/Target/Microcontroller

TES-1791

Updated Tasking VX configurations.

Enhancement

Compiler/Target/Microcontroller

TES-1797

New combination for Green Hills ARM and iSystem winIDEA.

New Feature

Compiler/Target/Microcontroller

TES-1811

New compiler GNU Toolchain for PowerPC adapted in conjunction with Lauterbach TRACE32

New Feature

Release v4.0.18 (64 items)

Coverage Viewer (CV)

TES-1696

Branch and statement coverage results for the "?" operator were not shown correctly within CV flow chart. It could be the case that missing coverage within such a sub flow was not highlighted in red or the sub flow element was marked red even though the sub flow was fully covered.

Driver

TES-1634

Fixed position of user defined variables in source code to make them available as pointer targets.

Driver

TES-1666

Defines are redefined at another position in slave to be usable in stubs of local functions.

Driver

TES-1701

Declarations of synthetic variables at another position in slave to be available in stubbed local functions.

Driver

TES-1720

Fixed generated default stub of not called external function returning a class reference.

Driver

TES-1744

Fixed using dynamic objects as parameter for test class constructor.

Driver

TES-1748

Generated assignment for pointer to arrays was not compilable with some target compilers.

Driver

TES-1761

Declare prolog epilog functions in extern "C" Block for C++ test to avoid conflicts with user headers inside extern "C" block.

Driver

TES-1770

Fixed possible error sending data for arrays inside unions if multiple unions of this type with differing pass direction for the array are contained in the interface.

Driver

TES-1772

Fixed possible error when dynamic objects are used for pointers in different source files.

Driver

TES-1787

Missing stub code for template methods with template type as template parameter.

Release v4.0.18 (64 items)

Driver

TES-1790

Fixed generated code for a struct array that contains a union and is declared inside another struct.

Driver

TES-1803

Fixed sending data for static class member of type struct, if the type is declared inside a class.

Environment Editor (TEE)

TES-1670

Added TI Java attribute to facilitate TEE's TI CCS configuration.

Import/Export

TES-1603

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

Instrumenter

TES-1768

Fixed execution error for classes with multiple constructors and a using namespace before the class declaration.

Interface Assigner (IDA)

TES-1615

Fixed assigning a removed test object to a test object in another module.

Interface Database (IDB)

TES-1625

Fixed update struct/union passing when comparing interfaces.
Do not allow struct IN/OUT with all members IRRELEVANT for old parser/driver.

Interface Database (IDB)

TES-1665

Fixed duplicate stub variables for methods declared with and without const modifier. [e.g. int get() const, int get ()]

Interface Database (IDB)

TES-1722

Fixed errors in test evaluation due to possible ID clash in recursive structures.

Interface Database (IDB)

TES-1812

Fixed possible loss of advanced stub setting during module analysis when the option `com.razorcat.tessy.IDBMemorySave` is true (default: false).

Interface Editor (TIE)

TES-1652

Disabled changing data format for float values.

Release v4.0.18 (64 items)

Interface Editor (TIE)

TES-1754

Undo "Delete Variable" in the Test Interface Editor produced an error.

Parser

TES-1725

Error opening module when a function pointer was using a function pointer as parameter or return.

Parser

TES-1731

Support keyword `_Bool` for Greenhills MPC.

Parser

TES-1759

Fixed storing function pointer return and parameter in IDB.

Parser

TES-1760

Support pragma for IAR ARM

Parser

TES-1764

Possible wrong stub for templates having methods with same name but different signature.

Parser

TES-1776

Fixed tks scanner for IAR.

Parser

TES-1779

Fixed parsing asm functions of compiler gcc-tricore.

Parser

TES-1783

Added missing keyword `_Bool` for Atollic GNU ARM Compiler.

Parser

TES-1786

Fixed parsing defines with comments for ARM RVDS.

Parser

TES-1808

Fixed problems in parser and driver when a struct is used as base class

Report

TES-1691

Report generation has been disabled when in the CTE perspective to prevent issues with missing CTE images in reports.

Release v4.0.18 (64 items)

Report

Enhancement

TES-1694

Added filter settings for requirement coverage reports (e.g. selected test means and validation matrix).

Report

TES-1700

The XSL Transformation for generation of jUnit reports out of TESSYs Details or Overview Reports marks now "not executed" tests correctly as skipped.

You can find the XSL files at C:\Program Files (x86)\Razorcat\TESSY_4.0\bin\plugins\com.razorcat.tessy.reporting.templates_4.0.17\ci

Report

Enhancement

TES-1774

New test details report option "Hide Test Steps" added: All test step contents will be hidden when activating this option. Can be used to create reports for test objects with a very large number of test steps.

Requirements

New Feature

TES-1709

Save & restore notes for requirements.

Requirements

TES-1788

Fixed exception when importing ReqIF files containing chapters that have requirement IDs assigned.

TESSY (General)

TES-1243

Fixed uninstall problem of the TESSY and FLS setups.

TESSY (General)

TES-1705

Correctly setup empty projects when opening them for the first time in headless mode.

TESSY (General)

TES-1721

Automatically removing a project with the same name as the project that is being opened did not work in headless mode.

TESSY (General)

Enhancement

TES-1795

If the CPU load reaches 100% during parallel test execution, a timeout sometimes occurred when new processes were started.

TESSY (General)

TES-1816

Fixed error when creating a new test case immediately after switching test objects.

TESSY (General)

TES-1854

Display and log errors occurring when analyzing a module by expanding it in the Test Project view.

Release v4.0.18 (64 items)

Test Data Editor (TDE)

TES-1780

Fixed setting of base class pointer to derived class target.

Test Execution

TES-1679

Fixed a bug where attempting to execute selected test cases via Ctrl+Shift+E ("Edit Execution Settings") would execute all test cases instead.

Test Execution

TES-1782

Fixed error in test communication when a constructor stub contains an eval macro.

Test Execution

TES-1784

Possible memory corruption in connection setup for socket communication.

Test Execution

TES-1813

Improved error handling during test execution when modules with unknown environment are scheduled for execution.

Release v4.0.17 (109 items)

ASAP Conversion

TES-1218

Fixed entering ASAP physical values for array elements.

ASAP Conversion

TES-1545

Fixed problems handling ASAP files with lines longer than 1024 bytes.

C++

TES-1495

Test cases for methods in classes without data members never became the state executable.

C++

TES-1518

Set breakpoint for C++ test objects to TESSY_TESTOBJECT_CALL.

C++

TES-1547

Add implicit called object constructors to called functions of test object interface.

C++

TES-1586

Fixed error when a base class has a pointer member to a sub class.

Release v4.0.17 (109 items)

C++

TES-1595

Operators where missing in interface if declared outside a class.

C++

TES-1608

Wrong names for objects inside an anonymous namespace.

C++

TES-1614

Fixed possibly missing called template methods in interface.

C++

TES-1628

Fixed problems when testing C++ 11 enum class objects.

Command Line (tessycmd)

TES-1278

Added option -append for test data import.

Enhancement

Command Line (tessycmd)

TES-1505

Added command "save-db" to export tmb files.

Enhancement

Command Line (tessycmd)

TES-1533

Added command "xslt" to transform a TESSY XML result file and pass it to stdout or a given output file.

Enhancement

Command Line (tessycmd)

TES-1647

Fixed invalid path error when using "remove-include-dir" on projects which had source root activated after an initial setup.

Compiler/Target/Microcontroller

TES-1341

Updated configuration and makefile template for IAR RL78 compilers.

Enhancement

Compiler/Target/Microcontroller

TES-1353

Improved optional communication checksum.

Enhancement

Compiler/Target/Microcontroller

TES-1451

New combination for Green Hills TriCore and Green Hills MULTI.

New Feature

Compiler/Target/Microcontroller

TES-1480

Parallel test execution on multiple instances of Lauterbach TRACE32.

Enhancement

Release v4.0.17 (109 items)

Compiler/Target/Microcontroller

New Feature

TES-1515

Added C++ support for CrossCore Blackfin / SHARC and updated CrossCore Blackfin / SHARC C configuration.

Compiler/Target/Microcontroller

TES-1524

Adding missing attributes for Renesas RX (C++).

Compiler/Target/Microcontroller

New Feature

TES-1535

New adaption of eSOL eBinder for ARM compiler.

Compiler/Target/Microcontroller

TES-1542

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

Compiler/Target/Microcontroller

New Feature

TES-1560

New combination for HighTec PPC compiler and PLS UDE debugger.

Compiler/Target/Microcontroller

New Feature

TES-1568

New compiler Renesas RH850 adapted in combination with Renesas CS+.

Compiler/Target/Microcontroller

New Feature

TES-1619

New combination for Wind River DIAB MPC compiler and PLS UDE debugger.

Compiler/Target/Microcontroller

TES-1627

Fixed initialization problem of global variables causing communication problems with IAR C-SPY debugger targets.

Compiler/Target/Microcontroller

TES-1629

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

Compiler/Target/Microcontroller

TES-1631

Fixed Slave Debug Code single line error.

Compiler/Target/Microcontroller

TES-1632

Added Compiler Dialect makefile variable to all makefile template where it was missing except for old Keil compilers.

Coverage Measurement

TES-1554

In very rare cases creating a coverage report could fail.

Release v4.0.17 (109 items)

Coverage Viewer (CV)

TES-1252

Fixed error in coverage viewer, when a C++ module contains functions with same name and different signature.

Driver

TES-1513

Fixed generating code to create dynamic object for class member that is a pointer to a class.

Driver

TES-1516

Fixed access violation when interface contains pointers and all pointers are IRRELEVANT.

Driver

TES-1520

For C++ tests in some cases the union generated to hold dynamic objects was not compilable.

Driver

TES-1523

Fixed evaluating reference parameter with target pass direction OUT.

Driver

TES-1531

User declarations were generated to source file and included from header. This could lead to conflicting type definitions.

Driver

TES-1536

Fixed generated name of helper variable for advanced stub vector counter.

Driver

TES-1550

Fixed generating driver for test objects using class pointer with pass direction IN->IRRELEVANT.

Driver

TES-1562

Fixed errors in master when receiving test object reference return from slave.

Driver

TES-1564

Do not generate advanced stub code for methods not called by the test object.

Driver

TES-1569

Possible wrong order sending/receiving test data for C++ test with multiple source files.

Driver

TES-1576

Fixed generated code for anonymous inner struct arrays.

Release v4.0.17 (109 items)

Driver

TES-1580

Removed declaration of function pointer targets from slave source file.

Driver

TES-1582

Fixed handling of operators declared as friend.

Driver

TES-1585

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

Driver

TES-1587

Fixed generating driver for methods with irrelevant struct members and a copy constructor.

Driver

TES-1591

Fixed evaluation of a pointer return using a dynamic object for evaluation.

Driver

TES-1594

Fixed generating type modifiers for reference parameters of stub functions.

Driver

TES-1598

Fixed error in driver when test object parameter is a reference to a class with a union member.

Driver

TES-1604

Fixed setting pointer for constructor parameter.

Driver

TES-1633

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

Driver

TES-1635

Fixed missing type modifier in return in declaration of function pointer.

Environment Editor (TEE)

Enhancement

TES-1075

New Menu Entry 'Copy to project' at file attributes, to copy a file from TESSY installation to the project folder where it can be edited if the installation is write protected and without affecting the installation.

Environment Editor (TEE)

Enhancement

TES-1559

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

Release v4.0.17 (109 items)

Import/Export

TES-1466

Fixed import of C++ super class members.

Import/Export

TES-1558

Fixed problems importing C++ advanced stub variables for methods, operators and class members with namespaces.

Instrumenter

TES-1527

Fixed instrumenting classes having inner structures without a tag name.

Instrumenter

TES-1528

Fixed instrumenting classes with template parameters with qualified name.

Instrumenter

TES-1563

Stub code was missing in generated driver files for C++ operator test objects.

Instrumenter

TES-1592

Fixed error if the parameter list of a test object starts after a line break

Instrumenter

TES-1600

Fixed error with code having extern template declarations.

Instrumenter

TES-1609

Fixed instrumenting operator methods.

Instrumenter

TES-1657

The instrumenter fails to find method definitions if "using namespace" is used.

Interface Assigner (IDA)

TES-1557

When a test object with incomplete interface is assigned the state remained incomplete even if actually completed by the assignment.

Interface Database (IDB)

TES-1458

Fixed comparing and assigning anonymous structures.

Interface Database (IDB)

TES-1529

Fixed parameter / return in templates using enums as type.

Release v4.0.17 (109 items)

Interface Database (IDB)

TES-1541

Automatic reuse of a test object could possibly fail when this test object was also a called function of another test object with incomplete interface.

Interface Database (IDB)

TES-1549

Fixed possible error reading old IDB containing array parameter used as pointer.

Interface Database (IDB)

TES-1578

Fixed update passing for IN/OUT structs with IRRELEVANT members during automatic reuse.

Interface Editor (TIE)

TES-1366

Disallow pass direction IN for class members in constructor test.

Interface Editor (TIE)

TES-1643

Added filter for "type" section in "Create Global" dialog.

License Manager

TES-1553

Fixed possible failure to check out an available license.

Parser

Enhancement

TES-1294

New Attribute 'Test Object Include List'. Only functions and methods that match the given pattern(s) are collected as test objects.

Parser

TES-1525

Fixed parsing initializer of specific struct components.

Parser

TES-1530

Fixed recognition of passing direction of reference parameters.

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.

Parser

TES-1573

Variables used as initializer where missing in the test object interface.

Release v4.0.17 (109 items)

Parser

TES-1617

Possible wrong pass direction for structure parameter passed by value

Parser

TES-1620

Fixed Wind River preprocessor line information.

Parser

TES-1636

Added handling of `__attribute__((...))` for TASKING Tricore compiler.

Report

TES-1133

New report option 'Show Unlinked Requirements Only'.

New Feature

Report

TES-1402

Added option to include notes assigned to modules, test objects and test cases into overview report.

Enhancement

Report

TES-1474

Added test execution preference option to include `*none*` values in report XML files (default is `"true"`). For large unit and component tests, this option can be used to significantly reduce the size of the generated XML result files (when set to `"false"`).

Enhancement

Report

TES-1590

Requirement execution coverage report: Added (optional) test case statistics for each requirement. Use the "List Test Statistics for Requirements" option to enable this feature.

Enhancement

Report

TES-1660

Fixed missing line breaks in multi-line text for notes and linked requirements.

Requirements

TES-1551

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

Requirements

TES-1577

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

New Feature

Requirements

TES-1583

Added test mean filter to Requirements Coverage view.

New Feature

Release v4.0.17 (109 items)

Requirements

New Feature

TES-1599

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

Requirements

TES-1656

Requirement documents were created with a wrong description for the default attributes.

Requirements

TES-1658

Semantic equal requirements where not correct restored after a restart of TESSY.

Save/Restore Database (TMB Files)

TES-1511

Test cases were consecutively numbered after restoring module.

Save/Restore Database (TMB Files)

TES-1522

Resolved issue where restoring the database via command line would sometimes fail when replacing existing modules.

Save/Restore Database (TMB Files)

TES-1650

Display user name for imported requirement history even if a user with that name does not exist on the local system.

Scenario Editor (SCE)

TES-1539

Fixed behaviour of work task view after a scenario specific work task configuration was set.

Scenario Editor (SCE)

TES-1618

Fixed updating call trace view.

TESSY (General)

Enhancement

TES-169

Support of functions with ellipsis parameter as stub functions

TESSY (General)

New Feature

TES-1429

Added button to save console output.

TESSY (General)

TES-1602

Internally used tag names are now invisible in the GUI.

TESSY (General)

TES-1622

Fixed library startup problem if more than 80 DLLs were loaded.

Release v4.0.17 (109 items)

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.

Test Data Editor (TDE)

TES-1637

Fixed exception in TDE when trying to display a union inside a dynamic object which is disabled.

Test Database (TDB)

TES-1526

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

Test Execution

Enhancement

TES-363

Aborted test execution is now more clearly visible within the Test Project view. Any aborted status will be propagated to all parent elements up to the test collection level.

Test Execution

Enhancement

TES-1521

Fixed potential problem with huge number of test items: Automatically set environment variable TESSY_USE_XML_APPEND_TMP=0 when a test with more than 254 test items is executed.

Test Execution

New Feature

TES-1649

Added Execution Mode (0x10000000) flag to terminate the slave process after the master has finished.

Usercode Editor (UCE)

Enhancement

TES-1289

Added "Compile Usercode" button in Usercode Outline View.

Variant Management

TES-1532

Missing call trace in variant module after initial creation.

Variant Management

TES-1548

Dynamic values overwritten in a variant were possibly reset to the parent values after synchronization.

Release v4.0.15 (21 items)

C++

New Feature

TES-1501

C++ support for IAR MSP430

Compiler/Target/Microcontroller

Enhancement

TES-1391

Added attribute Compiler Dialect for Keil ARM V5.

Release v4.0.15 (21 items)

Compiler/Target/Microcontroller

New Feature

TES-1445

New combination for Metrowerks S12Z / Lauterbach TRACE32.

Compiler/Target/Microcontroller

TES-1491

Improved target handler for e2studio.

Compiler/Target/Microcontroller

New Feature

TES-1493

New combination for GreenHills ARM compiler and Lauterbach TRACE32 debugger.

Compiler/Target/Microcontroller

TES-1504

Fixed Cosmic S12Z / TRACE32 configuration.

Compiler/Target/Microcontroller

TES-1506

Updated AD CrossCore Embedded Studio SHARC configuration.

Compiler/Target/Microcontroller

TES-1510

Turned to long path target binary file path for iSystem winIDEA script file because the iSystem winIDEA API cannot handle a short path.

Component Test

TES-1482

Do not use hidden static and inline functions in scenario interface.

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 Database (IDB)

Enhancement

TES-1484

Significantly reduced memory consumption of large interface databases.

Interface Database (IDB)

TES-1502

Class members inherited from another class possibly changed their passing to IRRELEVANT after analyze.

Release v4.0.15 (21 items)

Interface Editor (TIE)

TES-1496

Fixed renaming synthetic variables.

Parser

TES-1488

Fixed handling special keywords for Microchip XC16/XC32 compiler.

TESSY (General)

TES-1409

Component tests are no longer shown in the dialog to create variant modules, as no variant modules can be created for them.

TESSY (General)

TES-1486

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

TESSY (General)

TES-1489

Don't take special environment variables [e.g. =C:] into account when collapsing path names.

TESSY (General)

TES-1508

Checks for write permissions are now less restrictive when opening an existing project.

Enhancement

TESSY (General)

TES-1509

Don't attempt to validate default environment on startup if environments are not yet initialized.

Test Database (TDB)

TES-1492

Exception while saving arrays with unions from inside CTE and no union component is selected.

Release v4.0.14 (14 items)

Compiler/Target/Microcontroller

TES-625

New combination for Cosmic S12Z and Lauterbach TRACE32.

New Feature

Compiler/Target/Microcontroller

TES-1443

New adaption for ARM v5++ and iSYSTEM winIDEA.

Compiler/Target/Microcontroller

TES-1449

Updated Atollic adaption for Atollic TrueSTUDIO (7.1.1)

Release v4.0.14 (14 items)

Compiler/Target/Microcontroller

TES-1463

Fixed rule in winIDEA ARM makefile template concerning the startup file.

Compiler/Target/Microcontroller

TES-1471

Added default empty board file attributes to ARM V5 section in TEE.

Enhancement

Compiler/Target/Microcontroller

TES-1475

Fixed flaw in ARM V5++ / uVision makefile template.

Component Test

TES-671

Work task configurations can now be set individually for every scenario.

New Feature

Driver

TES-1465

Fixed generating prototypes of send/receive functions for arrays inside structs in modules with multiple source files.

Interface Editor (TIE)

TES-1453

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

Parser

TES-1462

Fixed possible wrong source number for indirectly referenced variables in modules with multiple sources.

Parser

TES-1472

Fixed missing type qualifier for void pointers.

Report

TES-1126

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

Report

TES-1478

Generating a test details report for either a not executed test object or when using the option "Hide Results (Show Test Data Only)" could fail in case of CTE test cases containing non-CTE test steps.

Variant Management

TES-1479

Overwriting of inherited test data for dynamic objects could fail if other inherited dynamic objects were deleted during a previous reuse operation.

Release v4.0.13 (28 items)

C++

TES-1426

Fixed default return of references for stubbed functions.

C++

TES-1438

Fixed reference parameter for constructors.

Compiler/Target/Microcontroller

TES-1371

New combination for ARM V5 compiler and iSYSTEM winIDEA debugger.

New Feature

Compiler/Target/Microcontroller

TES-1380

Updated TEE attributes "Preprocessor Call" which use the preprocessor of the target compiler and an idb-makefile.

Compiler/Target/Microcontroller

TES-1392

Updated GHS v850 / Multi2000 makefile template.

Compiler/Target/Microcontroller

TES-1401

Updated Microchip MPLAB X makefile template for XC16.

Compiler/Target/Microcontroller

TES-1412

Updated configuration and makefiles for HighTec Tricore compiler combinations.

Enhancement

Compiler/Target/Microcontroller

TES-1417

Collecting defines for usage as test data values added for GNU/ARM compiler.

Enhancement

Compiler/Target/Microcontroller

TES-1425

Added FLOAT 96 define to Linaro/gdbserver makefile template.

Driver

TES-1394

Fixed possible link error with stubbed methods in multiple source files.

Driver

TES-1399

Extern variables were defined in driver even if marked as do not define.

Driver

TES-1410

Declare synthetic enum variables only in the source where the type is known.

Release v4.0.13 (28 items)

Driver

TES-1418

Fixed generating C++ driver with pointers to test objects class member arrays.

Driver

TES-1420

Fixed generating driver for multiple source files where test object return and used global variables are in different source files.

Driver

TES-1422

Fixed generating driver when pointers to dynamic objects where manually edited in TDE.

Driver

TES-1444

In an empty parameter list of a generated prototype void was missing.

Instrumenter

TES-1393

Instrumentation failed with method names containing spaces.

Parser

TES-1419

Missing external functions in test interface if the function call is used in an unary dereference. [e.g. * foo() = 1;]

Plot View

TES-1058

Plots were not displayed correctly when including/excluding test items

Plot View

TES-1407

With the Plot View open in the active perspective, changes made in the Plot Definition View would be discarded (either immediately or after restarting)

TESSY (General)

TES-1428

Failed to start TESSY in turkish locale.

Test Data Editor (TDE)

TES-1416

Fixed setting pointers to array elements.

Test Database (TDB)

TES-1435

Inherited/overwritten values of pointers and arrays assigned to CTE non-leaf tree nodes were not propagated to the test cases properly

Release v4.0.13 (28 items)

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.

Usercode Editor (UCE)

TES-1397

Static local variables were shown in user code proposal dialog.

Variant Management

TES-1414

Fixed various problems with inherited modules concerning usercode, call trace, enum arrays and dynamic objects. Also test objects that were marked as removed but not yet deleted within the inherited module caused the synchronization to fail.

Variant Management

TES-1415

Possible missing values for dynamic objects in test objects of variant modules.

Release v4.0.12 (33 items)

ASAP Conversion

TES-1378

An optional ASAP test file can be provided by naming convention: If a file with the same name and location as the provided ASAP file and the extra extension ".test" exists, the containing conversion rules will be used as well for the ASAP conversion.

New Feature

C++

TES-1389

Added C++ support for Renesas RX

New Feature

C++

TES-1390

C++ support for Green Hills ARM

New Feature

Compiler/Target/Microcontroller

TES-1173

New combination for IAR HC12 / IAR C-Spy.

Compiler/Target/Microcontroller

TES-1189

New Combination for Linaro ARM compiler and gdbserver on BeagleBone Black and Raspberry Pi 3.

Release v4.0.12 (33 items)

Compiler/Target/Microcontroller

TES-1383

Updated makefiles and configuration for IAR HC12 / Lauterbach TRACE32.

Component Test

TES-1387

Fixed setting variables used by component functions as used variables for Scenario.

Driver

TES-1339

Helper variables for advanced stub functions have a prefix "TESSY_" since version 4.0. In order to generate the formerly used names without prefix, the attribute "Generate Stub Variable Prefix" of type boolean can be created and set to the value "true".

Driver

TES-1352

Wrong declaration in test driver if a struct is declared inside a class inside a name space starting with the same letters as the class.

Driver

TES-1367

Fixed evaluation of class member as pointer targets for constructor test.

Driver

TES-1368

Fixed testing constructor with stubbed base class destructor.

Import/Export

TES-957

Importer for IBM Rational Test RealTime PTU files added.

New Feature

Interface Database (IDB)

TES-1344

Fixed creating dynamic objects for recursion pointers nested two levels or more inside a structure.

Interface Database (IDB)

TES-1365

Fixed duplication of synthetic variables during analyze.

Interface Database (IDB)

TES-1370

Fixed stack overflow when comparing interface database with indirect recursive function calls.

Interface Editor (TIE)

TES-1335

Fixed displaying struct and enum type names for typedefs without tagname from old C parser.
Fixed displaying struct and enum types in Create Variable dialog.

Release v4.0.12 (33 items)

Interface Editor (TIE)

TES-1381

Error saving component test containing indirect recursive function call.

Parser

TES-1144

External functions from function pointer initialization where missing in interface.

Parser

TES-1342

External functions that are called but not declared were missing in the test interface.

Parser

TES-1385

Fixed parameter to undefine compiler defines for compilers using cpp-3.4.4-mingw.exe as preprocessor.

Report

TES-1360

Issue warning instead of error when generating coverage report for inline C++ methods fail.

Save/Restore Database (TMB Files)

TES-1375

Fixed possible missing test data when importing v2.9 module archives.

TESSY (General)

TES-1377

Fixed possible problem when collapsing a file path and environment variables with a single character as name exists.

Test Data Editor (TDE)

TES-903

Unused variables can now be set to IRRELEVANT from the context menu in the Test Data Editor.

Enhancement

Test Data Editor (TDE)

TES-933

Test cases and test steps can now be created using the context menu when a column is selected in the Test Data Editor.

Enhancement

Test Data Editor (TDE)

TES-935

Test steps can now be reordered within a test case using drag & drop.

Enhancement

Test Data Editor (TDE)

TES-1010

Added "Assign Value to All Array Elements" command to popup menu in Test Data Editor when an array element is selected.

Enhancement

Release v4.0.12 (33 items)

Test Data Editor (TDE)

Enhancement

TES-1038

Added toggle button in Test Data Editor to only show columns for the test items selected in the Test Item View.

Test Data Editor (TDE)

TES-1349

In some cases C++ test cases were not marked as executable even if no input data was missing.

Test Database (TDB)

TES-1351

Fixed possible wrong test result for inherited test data that is not overwritten.

Test Execution

TES-1386

Test execution job would sometimes get stuck after aborting a previous test execution job

Usercode Editor (UCE)

Enhancement

TES-1009

Functions called by stubbed functions are now by default hidden in the Call Trace View; a toggle button has been added to show all functions.

Usercode Editor (UCE)

TES-1372

Eval macro names were wrong or missing when using eval macros in stub functions on test object level.

Release v4.0.11 (14 items)

C++

New Feature

TES-1285

Added C++ support for Windriver MPC, RH850 and Tricore

C++

New Feature

TES-1309

Added C++ support for ARM V5 compiler.

CDT Perspective

TES-1284

Fixed using breakpoints for C++ functions with class parameter.

Command Line (tessycmd)

TES-1300

Requirement document history format (newly introduced with TESSY v4) could not be restored via command line application

Compiler/Target/Microcontroller

TES-1230

New combination for Freescale ColdFire / Lauterbach TRACE32.

Release v4.0.11 (14 items)

Compiler/Target/Microcontroller

TES-1308

New combinations for ARM V5 compiler replace the old ARM RVDS compiler combinations.

Coverage Viewer (CV)

TES-1282

Fixed invalid file names of flowchart reports for C++ methods containing pointer parameters.

Coverage Viewer (CV)

TES-1326

Fixed exception when selecting the "Functions" entry within the "Called Functions" view of the coverage viewer for component tests.

Driver

TES-1276

Added defines to addresses of static variables to make them usable in user code in modules with multiple source files.

Driver

TES-1314

Fixed error in generated test driver when methods of a class are defined in multiple source files, only methods in the first source could be tested.

Driver

TES-1329

When testing a method with the class itself as parameter object the actual values of class members were not saved. This resulted in *unknown* actual values of the member variables but did not cause the test step to fail.

Driver

TES-1330

Fixed generating test driver for copy constructors as parameters.

Interface Assigner (IDA)

TES-1267

Synthetic variables were not shown within the new interface when assigning test objects using IDA.

Interface Editor (TIE)

TES-1219

Allow pass direction of classes/structs to be IN or OUT and all members to be IRRELEVANT. Use the SHIFT key to change the passing direction of only the struct or its children.

Enhancement