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Release Notes

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.

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.

Release v4.0.22 (26 items)

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

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

Release v4.0.22 (26 items)

Parser

TES-2179

Recognize predefined compiler variable `__func__`.

Project Handling

TES-2109

New preference option to open the last project on startup.

Enhancement

Scenario Editor (SCE)

TES-2148

Don't allow editing CTE test data for scenarios.

TESSY (General)

TES-1988

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

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

TES-938

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

Enhancement

Driver

TES-2113

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

Interface Editor (TIE)

TES-2115

Enhanced Performance when opening TIE with huge interfaces.

Enhancement

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

TES-1825

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

New Feature

Compiler/Target/Microcontroller

TES-1995

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

New Feature

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.

Release v4.0.20 (41 items)**Compiler/Target/Microcontroller*****New Feature***

TES-2044

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

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

TES-2049

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

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

TES-2071

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

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***Enhancement***

TES-2026

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

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.

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().

Release v4.0.20 (41 items)

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)

Enhancement

TES-1817

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

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%).

Release v4.0.20 (41 items)

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)

TES-2030

Handling of not existing functions within calltrace enhanced.

Enhancement

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'.

Compiler/Target/Microcontroller

TES-1653

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

New Feature

Compiler/Target/Microcontroller

TES-1659

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

New Feature

Release v4.0.19 (58 items)**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.

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.

Release v4.0.19 (58 items)

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.

Instrumenter

TES-1934

Fixed instrumenting operator [] method.

Release v4.0.19 (58 items)

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.

Parser

TES-1896

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

Release v4.0.19 (58 items)

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.

Test Data Editor (TDE)

TES-1834

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

Enhancement

Release v4.0.19 (58 items)

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.

C++

TES-1745

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

Release v4.0.18 (64 items)

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

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.

Release v4.0.18 (64 items)

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.

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.

Release v4.0.18 (64 items)

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.

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.

Release v4.0.18 (64 items)

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.

Report

TES-1694

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

Enhancement

Release v4.0.18 (64 items)

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

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.

Enhancement

Requirements

TES-1709

Save & restore notes for requirements.

New Feature

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)

TES-1795

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

Enhancement

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.

Test Data Editor (TDE)

TES-1780

Fixed setting of base class pointer to derived class target.

Release v4.0.18 (64 items)

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.

C++

TES-1595

Operators where missing in interface if declared outside a class.

Release v4.0.17 (109 items)

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 "xsit" 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

Compiler/Target/Microcontroller

TES-1515

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

New Feature

Release v4.0.17 (109 items)

Compiler/Target/Microcontroller

TES-1524

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

Compiler/Target/Microcontroller

TES-1535

New adaption of eSOL eBinder for ARM compiler.

New Feature

Compiler/Target/Microcontroller

TES-1542

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

Compiler/Target/Microcontroller

TES-1560

New combination for HighTec PPC compiler and PLS UDE debugger.

New Feature

Compiler/Target/Microcontroller

TES-1568

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

New Feature

Compiler/Target/Microcontroller

TES-1619

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

New Feature

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.

Coverage Viewer (CV)

TES-1252

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

Release v4.0.17 (109 items)

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.

Driver

TES-1580

Removed declaration of function pointer targets from slave source file.

Release v4.0.17 (109 items)

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)

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.

Enhancement

Environment Editor (TEE)

TES-1559

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

Enhancement

Import/Export

TES-1466

Fixed import of C++ super class members.

Release v4.0.17 (109 items)

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

TES-1294

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

Enhancement

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 (22 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 (22 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.

Coverage Measurement

Enhancement

TES-1327

Added support for MISRA do {...} while(0) macros to DC, MCC, and MC/DC coverage.

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.

Release v4.0.15 (22 items)

Interface Database (IDB)

TES-1502

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

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.

Release v4.0.14 (14 items)

Compiler/Target/Microcontroller

TES-1449

Updated Atollic adaption for Atollic TrueSTUDIO (7.1.1)

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.

Release v4.0.14 (14 items)

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 (37 items)

C++

TES-1426

Fixed default return of references for stubbed functions.

C++

TES-1438

Fixed reference parameter for constructors.

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

New Feature

TES-1371

New combination for ARM V5 compiler and iSYSTEM winIDEA debugger.

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

Enhancement

TES-1412

Updated configuration and makefiles for HighTec Tricore compiler combinations.

Compiler/Target/Microcontroller

Enhancement

TES-1417

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

Release v4.0.13 (37 items)

Compiler/Target/Microcontroller

TES-1425

Added FLOAT 96 define to Linaro/gdbserver makefile template.

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.

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.

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-1433

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

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.

Release v4.0.13 (37 items)

Interface Editor (TIE)

TES-1434

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

Parser

TES-1398

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

Parser

TES-1411

Support pragma for IAR RL78.

Parser

TES-1419

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

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-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

Test Evaluation

TES-1423

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

Release v4.0.13 (37 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 (40 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 (40 items)

Compiler/Target/Microcontroller

TES-1317

Updated VxWorks master file.

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.

Driver

TES-1384

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

Import/Export

TES-957

Importer for IBM Rational Test RealTime PTU files added.

New Feature

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-1344

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

Release v4.0.12 (40 items)

Interface Database (IDB)

TES-1346

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

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.

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-1070

Enabled using relative path names to images for HTML reports.

Enhancement

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.

Release v4.0.12 (40 items)

TESSY (General)

TES-1377

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

TESSY (General)

TES-1382

Support pragma pack for Greenhills MPC.

New Feature

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

Test Data Editor (TDE)

TES-1038

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

Enhancement

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 Data Editor (TDE)

TES-1364

Fixed setting of pointer to array.

Test Database (TDB)

TES-1351

Fixed possible wrong test result for in 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

Release v4.0.12 (40 items)

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 (30 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.

Compiler/Target/Microcontroller

TES-1308

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

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.

Coverage Viewer (CV)

TES-1282

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

Release v4.0.11 (30 items)

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 Database (IDB)

TES-1273

Global variables that became external variables were not marked as to be defined when the module was analyzed again.

Interface Database (IDB)

TES-1279

Fixed reading function pointer parameter from interface database.

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-1331

Scenario test object interface was not marked as incomplete within TIE when initially opening a component test module.

Release v4.0.11 (30 items)

Interface Editor (TIE)

Enhancement

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.

Parser

TES-1259

Exception specifiers were not handled for C++ methods and functions.

Parser

TES-1280

Failed to analyze interface if class definitions were added lazy.

Parser

TES-1291

Parser crashed if enum types were used for bit fields.

Parser

Enhancement

TES-1292

Suppress warning if static/inline functions with same name are defined in more than one source file (Only the first occurrence of such a function can be tested, i.e. the function within the first source file).

Parser

Enhancement

TES-1293

Suppressed CLANG warning during module analysis when obsolete "register" keyword was seen.

Parser

TES-1302

Missing type modifier for pointer to class objects.

Parser

TES-1312

When using define values within usercode, changes to these defines were not reflected when doing regression tests: The usercode was still using the old define value.

Requirements

TES-1287

Bugfix for possible exception in ReqIF requirement importer.

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 Execution

Enhancement

TES-1270

Display errors/warnings that occur during test execution in the Problems View

Release v4.0.10 (37 items)

C++

TES-1275

Added C++ support for IAR/ARM compiler and all related targets.

New Feature

CTE

TES-1224

A selection problem within CTE perspective caused an empty test data view being shown.

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.

Driver

TES-1206

Error generating C++ driver for struct typedefs.

Driver

TES-1213

Fixed C++ test driver for arrays containing pointers to classes.

Driver

TES-1216

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

Driver

TES-1229

Fixed using static test object as target for function pointer.

Driver

TES-1242

Fixed linkage error in master for Crossview and HiTop.

Driver

TES-1245

Error building test driver with C++ type names longer 255 characters.

Driver

TES-1261

Fixed generated code in new test driver for structures containing anonymous unions.

Driver

TES-1266

Fixed evaluation of class member targets.

Release v4.0.10 (37 items)

Environment Editor (TEE)

TES-1248

Updated JRE Binary Path attributes and CrossCore's Slave Call attribute.

Import/Export

TES-1247

Return values of C++ methods with pointer parameters could not be imported.

Interface Assigner (IDA)

TES-1217

Possible error opening IDA with interfaces containing complex structures.

Interface Assigner (IDA)

TES-1246

Fixed potential exception in IDA when preference value 'Hide Empty Sections' was active.

Interface Database (IDB)

TES-1209

Possible memory leak in recursively referencing classes.

Interface Database (IDB)

TES-1220

Fixed reading/writing interface database containing typedef of structure with base class.

Interface Database (IDB)

TES-1240

Fixed id conflict with define and synthetic variable.

Makefile Templates

TES-1234

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

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-1232

Fixed the old tks scanner for the following compilers:

All compilers using `#pragma inline` or `__inline__` or `_inline` were affected.

Keil C51/C166 and Tasking C166/VX/XC8XX have some other keywords which were affected.

Parser

TES-1233

If a test object has a parameter of type enum, union, or struct with const modifier, the const modifier was also applied to parameters of other test objects with the same type even if they were not const.

Release v4.0.10 (37 items)

Parser

TES-1257

Missing const modifier for module global variables.

Requirements

TES-1222

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

Requirements

TES-1236

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

Enhancement

Requirements

TES-1241

Bugfix for the database restore of linked requirements and requirement documents.

TESSY (General)

TES-1238

If the parameter list of a C++ test object contained pointer parameters, the generated CTE file name and other generated file names were invalid (contained the '*' character).

Test Data Editor (TDE)

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.

Enhancement

Test Database (TDB)

TES-1228

If a pointer member of the 'this' object points to a member variable of the 'this' object, the test database failed to set the pointer target.

Test Evaluation

TES-1250

Test evaluation failed if a previous test execution has failed due to a crash (e.g. access violation) of the test object.

Test Execution

TES-1214

A test object was not marked aborted if the test execution fails due to missing stub code.

Test Execution

TES-1215

A batch test execution could run out of memory if the test objects have very large interfaces.

Test Execution

TES-1269

The test execution could freeze when running large batch tests.

Release v4.0.10 (37 items)

Variant Management

TES-1231

Pointer to array elements were missing in inherited test data.

Variant Management

TES-1237

Fixed reuse problem with inherited dynamic objects.

Variant Management

TES-1265

If an inherited pointer value is changed the test database could fail to save the pointer.

Release v4.0.9 (38 items)

ASAP Conversion

TES-1040

Added parsing of optional REF_UNIT specification.

C++

New Feature

TES-779

Full analysis and editing support for C++ added: Using the CLANG parser TESSY now recognizes the complete interface of C++ classes and provides testing of constructors, methods, functions and full stubbing of external classes and methods. Also testing of template based classes is possible.

Command Line (tessycmd)

Enhancement

TES-405

Set description, specification and comment via tessycmd

Command Line (tessycmd)

Enhancement

TES-560

Implemented tessycmd commands "set-attribute" and "unset-attribute" for test collections and folders

Command Line (tessycmd)

New Feature

TES-911

Don't restore empty modules if the environment variable "CLI_DONT_RESTORE_EMPTY_MODULES" is set to "true".

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)

Enhancement

TES-1055

Allow setting test environment on project, test collection or folder level.

Release v4.0.9 (38 items)

Command Line (tessycmd)

TES-1147

Show log file content if TESSYD fails to start TESSY.

Enhancement

Command Line (tessycmd)

TES-1149

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

Enhancement

Compiler/Target/Microcontroller

TES-1069

Implemented parallelization of WindISS test runs.

Enhancement

Coverage Viewer (CV)

TES-920

Copy coverage report files to report output directory when generating a Test Details Report

Enhancement

Import/Export

TES-836

When exporting test objects without test cases (e.g. into XLS file), a dummy test case with zero values will be created as a template for external editing of test data and later import.

Enhancement

Import/Export

TES-855

Improved performance and parallelized operation of module (TMB) import.

Enhancement

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-1177

Failed to instrument condition in for loops having a sizeof statement with function pointer type argument. [e.g. for (int i = 0; i < sizeof (array) / sizeof (void (*) (int,int)); i++) {}]

Interface Editor (TIE)

TES-890

Remember selected type in "New Variable" dialog in TIE

Enhancement

Parser

TES-1161

Handle integer constants according to the ANSI C Standard.

Report

TES-39

Updated CVS keyword extraction from source files: Use valid Subversion (SVN) keywords and abbreviations for header, author, date and revision.

Enhancement

Release v4.0.9 (38 items)**Report****Enhancement**

TES-804

Allow use of tokens for report output directory

Report**Enhancement**

TES-881

Implemented parallelized report generation (e.g. for batch operations).

Save/Restore Database (TMB Files)**Enhancement**

TES-42

Backup and restore of requirements will now cover the whole version history of each requirement document.

Save/Restore Database (TMB Files)

TES-1113

Continue importing remaining modules when an error occurs for a module

Save/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)**Enhancement**

TES-937

Allow setting name, description, specification and comment for time steps

TESSY (General)**Enhancement**

TES-110

Greatly reduced memory consumption and improved performance for large projects.

TESSY (General)**Enhancement**

TES-734

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

TESSY (General)**New Feature**

TES-824

Added management and handling of sample projects.

TESSY (General)**New Feature**

TES-884

Added module inheritance and variant management: This provides very powerful testing of software variants including inherited test cases, test data and usercode. All TESSY objects now also have UUIDs assigned to uniquely identify each test case or test step.

TESSY (General)**New Feature**

TES-891

Support for test driven development (TDD) added: Synthetic test objects can be defined and test cases with test data can be prepared prior to having a source file available.

Release v4.0.9 (38 items)**TESSY (General)****Enhancement**

TES-1044

Improved performance of operations involving a large number of test items

TESSY (General)**Enhancement**

TES-1047

Automatically create partitions of potentially huge objects for "Test Item" or "Usercode Outline" view (e.g. test steps) and TDE (e.g. array elements) to speed up display.

TESSY (General)**Enhancement**

TES-1108

Added link in "Coverage" section within the Properties view to apply the current coverage selection to all modules contained in a folder or test collection.

Test Data Editor (TDE)**Enhancement**

TES-926

Improved filter in TIE and TDE

Test Execution**Enhancement**

TES-852

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

Test Execution**Enhancement**

TES-856

Improved performance of batch test execution

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.

Test Execution**New Feature**

TES-1192

It is now possible to exclude test cases from being executed (e.g. if they would fail due to null pointer exceptions within the test object).

Usercode Editor (UCE)**Enhancement**

TES-1043

Removed tabs in "Stub Functions" and "Prolog/Epilog" view; fixed selection issues in "Stub Functions" view.