



**Tessy V2.9.x**



Razorcat Development GmbH  
Witzlebenplatz 4  
14057 Berlin  
Germany

### Technical Support

phone +49 - (30) - 536 357 0  
fax +49 - (30) - 536 357 60  
email [support@razorcat.com](mailto:support@razorcat.com)  
www <http://www.razorcat.com>

## Release Notes

### Addressed In: 2.9.757 (17 item(s))

**CR Number: 4901**

Component: Driver

Fix: Driver generator crashes when struct declaration exceeds 2kB.

---

**CR Number: 4807**

Component: Driver

Fix: Missing const in declaration of const array parameter of stub functions if typedef is used.

---

**CR Number: 4789**

Component: IDA

Fix: Possible loss of test case prolog / epilog during reuse if the test case ids are not in strict order.

---

**CR Number: 4778**

Component: SCE

Fix: Missing evalmacro visualization in ProjectView.

---

**CR Number: 4766**

Component: SCE

Fix: Sorted stub function list in Scenario Project View.

---

**CR Number: 4733**

Component: Parser/Hightec Tricore

Fix: Module analysation fails if stdarg.h is included.

---

**CR Number: 4731**

Component: IAR ARM v5

Fix: Missing define TS\_HAVE\_INT64 in makefile templates for IAR ARM v5 for 64bit integer support.

---

**CR Number: 4730**

Component: Driver

Fix: Generate wrapper for inline function as testobject.

---

**Addressed In: 2.9.757 (17 item(s))****CR Number: 4723**

Component: Driver

Fix: Possible error in generated code for advanced stub function with void\* parameter.

**CR Number: 4704**

Component: Defines Parser

Fix: Failed to evaluate hexadecimal define values having a capital 'X' prefix. [e.g. #define NAME 0XAFFE]

**CR Number: 4702**

Component: Instrumenter

Fix: Failed to instrument cast expressions starting with a memory modifier. [e.g. if (a\_pointer == (@far int \*) 0xAFFE)]

**CR Number: 4699**

Component: Defines Parser

Fix: Wrong values for defines that using an explicit cast into signed long long data type having a negativ value. [e.g. #define SLL\_MIN ((signed long long 0x8000000000000000))]

**CR Number: 4693**

Component: Instrumenter

Fix: If a test object is inline and no instrumentation is enabled, building the test driver failed.

**CR Number: 4692**

Component: Driver

Fix: Possible error when evaluating OUT pointer to dynamic targets that have the same name but different layout in multiple testcases.

**CR Number: 4676**

Component: Parser/ IAR MSP430

Fix: Support #pragma inline for IAR MSP430.

**CR Number: 4675**

Component: Instrumenter

Fix: Instrumenter crashes if a single statement/expression is larger than 102400 bytes.

**CR Number: 4669**

Component: Driver

Fix: Redundant declarations in librazorcat.h

**Addressed In: 2.9.756 (16 item(s))****CR Number: 4645**

Component: HighTec PPC / TRACE32

Fix: New compiler/target integration: HighTec PPC / TRACE32

**Addressed In: 2.9.756 (16 item(s))****CR Number: 4623**

Component: Parser/Microchip dsPIC

Fix: Fixed handling of \_\_asm in keyword scanner for Microchip dsPIC.

**CR Number: 4622**

Component: Parser/TI TMX xxx

Fix: Fixed handling of \_\_asm in keyword scanner for TI TMX xxx.

**CR Number: 4620**

Component: TESSY

Fix: Automatically collapse filenames and directories to relative pathnames using the PROJECTROOT and a csv list of variables specified with the attribute 'Relative Path Variables' as anchor.

**CR Number: 4616**

Component: Driver / Keil C51

Fix: In the Environment for Keil C51 Compiler a boolean attribute 'Intermediate Assembler File' can be created and set to 'false' to create object files directly from c files for test execution (without intermediate .src file).

**CR Number: 4613**

Component: Parser / IAR R32C

Fix: Support pragma directives for IAR R32C.

**CR Number: 4596**

Component: Parser/IAR MSP430

Fix: Added support for \_Pragma() keyword for IAR MSP430.

**CR Number: 4595**

Component: Instrumenter

Fix: Instrumenter fails when return follows declaration of local static variable.

**CR Number: 4594**

Component: Driver

Fix: When Enable User Includes is set, MODULE\_INCLUDES are generated to makefile without enclosing "" (leading to problems with paths containing spaces)

**CR Number: 4581**

Component: Parser

Fix: Emit more specific messages on parse errors.

**CR Number: 4580**

Component: Evaluation

Fix: Fixed evaluating NAN and INF floating point values.

**CR Number: 4576**

Component: TDE

Fix: Impossible to enter delta values with negative exponent (e.g. 1.2e-3)

**Addressed In: 2.9.756 (16 item(s))****CR Number: 4575**

Component: Instrumenter

Fix: Timing problem with MC/DC coverage with more than 12 atoms.

**CR Number: 4574**

Component: IDB32

Fix: Namespace support for C++.

**CR Number: 4549**

Component: TXT Report

Fix: Scenario description is missing in text report documents.

**CR Number: 4441**

Component: Driver / winIDEA Wind River MPC

Fix: Missing TS\_FILE\_COMM define in winIDEA/Wind River communication makefile.

**Addressed In: 2.9.755 (21 item(s))****CR Number: 4515**

Component: Driver/Keil C51

Fix: Objects in 'data' memory were accessed with 'pdata' modifier.

**CR Number: 4485**

Component: Parser/TI TMS 470

Fix: Support `__attribute__` for TI TMS 470.**CR Number: 4460**

Component: Parser

Fix: Reckognize macro `__FUNCTION__` predefined by some compilers.**CR Number: 4459**

Component: Report/Component Test

Fix: Missing Declarations/Definitions in Component Test report.

**CR Number: 4446**

Component: Driver

Fix: Possible error when testdata contains static and non-static pointer targets.

**CR Number: 4385**

Component: Import

Fix: Possible error when importing values of dynamic structs.

**CR Number: 4383**

Component: tessycmd

Fix: Batchtest with Code Composer Studio not possible using commandline.

**Addressed In: 2.9.755 (21 item(s))****CR Number: 4373**

Component: Wind River MPC / Workbench

Fix: Error in makefile template.

**CR Number: 4360**

Component: Driver

Fix: Missing const in declaration of const array parameter of stub functions.

**CR Number: 4341**

Component: Instrumenter

Fix: Handle wrong C1/C2 results when mixing boolean expressions with subflow and relational expressions.

**CR Number: 4340**

Component: Instrumenter

Fix: Possible infinite loop when reading asm code comments.

**CR Number: 4330**

Component: IDA

Fix: In rare cases passdirections of indirect used variables may be IRRELEVANT after reuse.

**CR Number: 4317**

Component: Parser

Fix: Error with pragma directives &gt;1024 characters.

**CR Number: 4316**

Component: Import

Fix: Error when importing pointer to array.

**CR Number: 4293**

Component: IDA

Fix: Scenariofile may be corrupted after reuse, using sperate process for each reuse.

**CR Number: 4269**

Component: HTML Reports

Fix: HTML reports without actual values and color results.

**CR Number: 4268**

Component: Driver

Fix: Error using element [0] of static local array of struct as pointer target.

**CR Number: 4267**

Component: Instrumenter

Fix: Static local variables are not instrumented if there types are enum/struct/union and therefore not testable.

**Addressed In: 2.9.755 (21 item(s))****CR Number: 4251**

Component: Instrumenter

Fix: Wrong instrumentation result when mixing arithmetic/shift operations with logical expressions.  
[e.g. `x = f1() * (f2() && f3());`]**CR Number: 4250**

Component: Driver

Fix: Error with certain Compilers in assignment of return value when it is a pointer to const.

**CR Number: 4249**

Component: Parser

Fix: Unknown keyword `__packed` for IAR ARM.**Addressed In: 2.9.754 (6 item(s))****CR Number: 4241**

Component: Environment

Fix: Attributes of type Float did not work correctly.

**CR Number: 4239**

Component: Driver

Fix: Writing timer result file for targets using file communication.

**CR Number: 4238**

Component: HTML Report

Fix: In some cases CTE Graphics are not displayed.

**CR Number: 4237**

Component: Instrumenter

Fix: Errorneous space in `*=` assignment followed by a ternary operation.**CR Number: 4236**

Component: Coverage Viewer

Fix: Error in flow chart with switch cases that whre reached multiple times and by fall-through.

**CR Number: 4232**

Component: Driver

Fix: Error in driver when interface objects are entered manually as pointer targets.

**Addressed In: 2.9.753 (8 item(s))****CR Number: 4219**

Component: IDA

Fix: Loss of changed passdirection in advanced stub variables, with IDA Option 'UseTDBCP'.

**Addressed In: 2.9.753 (8 item(s))****CR Number: 4218**

Component: Driver

Fix: Error with recursive pointer in global struct (does not occur with pointer to global struct).

**CR Number: 4217**

Component: TDE

Fix: Error creating dynamic Object for recursive pointer in global struct (does not occur with pointer to global struct).

**CR Number: 4211**

Component: MPLAB Target Handler

Fix: CPU might not be set correctly due to buffer overflow.

**CR Number: 4210**

Component: TDE

Fix: Possible crash concerning recursive pointers in structures and dynamic objects.

**CR Number: 4208**

Component: Driver

Fix: Missing keyword in adress vector for pointers in specific memory area.

**CR Number: 4207**

Component: TRACE32

Fix: The latest TRACE32 Version couldn't handle fast Tessy requests.

**CR Number: 4198**

Component: MPLAB dsPIC33E / Simulator

Fix: Wrong values on simulator occured when using vectors of type short.

**Addressed In: 2.9.752 (4 item(s))****CR Number: 4213**

Component: Freescale ColdFire V1 / Freescale Codewarrior

Fix: New combination for Freescale ColdFire V1 and Freescale Codewarrior.

**CR Number: 4202**

Component: Wind River Workbench

Fix: Updated communication protocol with Wind River Workbench.

**CR Number: 4200**

Component: Instrumenter

Fix: Handle wrong MC/DC and MCC results when mixing boolean with relational expression.

**CR Number: 4199**

Component: Instrumenter

Fix: The instrumenter process may run out of file handles when generating the result xml files.

**Addressed In: 2.9.751 (2 item(s))****CR Number: 4194**

Component: Usercode Parser

Fix: Driver generator crashes if eval macros are used in stubfunctions within component test.

**CR Number: 4193**

Component: Driver

Fix: Erroneous cast in slave to set static local variable of type bit.

**Addressed In: 2.9.750 (9 item(s))****CR Number: 4178**

Component: IDB / Compare

Fix: Possibly detecting a difference in actually equal interfaces when comparing the interface of a function that calls two functions from different sourcefiles that both reference a static variable with the same name defined in each source.

**CR Number: 4177**

Component: Tasking XC8XX / Trace32

Fix: New compiler/target integration: TASKING XC8XX / Trace32.

**CR Number: 4172**

Component: IDA

Fix: Duplicate function id after reuse if an old called function is assigned to more than one new called function.

**CR Number: 4163**

Component: TASKING Tricore VX / UDE

Fix: Compile/link problem fixed, 64 bit double precision enabled as default.

**CR Number: 4151**

Component: Driver

Fix: Wrong cast in generated code of local advanced stub function for pointer to structure without tagname.

**CR Number: 4143**

Component: IDA (Component Test)

Fix: Usercode for a removed external function remains in scenario file after reuse, leading to an error when generating driver.

**CR Number: 4137**

Component: Parser (IAR)

Fix: Support of pragma pack for IAR MSP430 and pragma pack(push, x) for IAR M16C.

**CR Number: 4116**

Component: Parser(Tasking Tricore 3.5)

Fix: Support of keyword \_\_align().



**Addressed In: 2.9.750 (9 item(s))****CR Number: 4092**

Component: Parser (Cosmic)

Fix: Handling of pragma section(...) for Cosmic compilers.

**Addressed In: 2.9.749 (2 item(s))****CR Number: 4145**

Component: TASKING Tricore VX / winIDEA

Fix: New compiler/target integration: TASKING Tricore VX compiler and iSYSTEM winIDEA debugger

**CR Number: 4141**

Component: ASAP

Fix: Optional parameters of CHARACTERISTIC may be in arbitrary order.

**Addressed In: 2.9.748 (21 item(s))****CR Number: 4115**

Component: IAR AVR

Fix: Parser supports \_Pragma(...) for IAR AVR.

**CR Number: 4113**

Component: IAR 78K0

Fix: Handling of \_\_saddr (short address) in driver.

**CR Number: 4111**

Component: Driver

Fix: Possible crash of master process if the source contains conditions having function calls as atoms.

**CR Number: 4110**

Component: TI TMS320 C6000

Fix: Support keyword \_\_cregister and builtin type \_\_int40\_t for TI TMS320 C6000.

**CR Number: 4109**

Component: Rensas NC30 / NC100

Fix: Building driver with more than one source file.

**CR Number: 4106**

Component: ARM RVDS / HiTOP5

Fix: New compiler/target integration: ARM RVDS / HiTOP5

**CR Number: 4105**

Component: ARM RVDS / PLS UDE

Fix: New compiler/target integration: ARM RVDS / PLS UDE

**Addressed In: 2.9.748 (21 item(s))****CR Number: 4104**

Component: Instrumenter

Fix: Possible crash with conditions in macros.

**CR Number: 4103**

Component: Report / CHM Format

Fix: Problem with plot image files within CHM documents.

**CR Number: 4102**

Component: Driver

Fix: Missing memory modifier at pointer to array.

**CR Number: 4100**

Component: TASKING Tricore

Fix: Parser error with "\_\_noreturn\_\_" attribute

**CR Number: 4097**

Component: Renesas - TEE Configuration

Fix: Problem with spaces in path names.

**CR Number: 4096**

Component: Tessy

Fix: Spaces within the backup folder path or module save path are possible now (even though not recommended).

**CR Number: 4093**

Component: Driver

Fix: Pointer targets assigned in function local array resulted in \*unknown\* actual value.

**CR Number: 4090**

Component: Driver (Wind River Workbench)

Fix: Problem with exchange buffer for Wind River Workbench.

**CR Number: 4085**

Component: IAR R32C

Fix: Support keyword \_\_no\_init for IAR R32C.

**CR Number: 4084**

Component: IAR V850

Fix: Support #pragma pack(push) and pop directives for IAR V850 Compiler.

**CR Number: 4083**

Component: Parser/IAR R32C

Fix: Handling of IAR specific code constructs '@ 0x00', '0.NaN', '0.Infinity', '\_\_c99\_generic(...)' and '#pragma inline' corrected.

**Addressed In: 2.9.748 (21 item(s))****CR Number: 4082**

Component: Driver

Fix: Declaration of function prototypes to send/receive arrays without "volatile" keyword.

**CR Number: 4055**

Component: Report

Fix: Copy plots to report directory, if different from default (module directory).

**CR Number: 3955**

Component: TDE

Fix: Passed array values sometimes show as failed when Attribute "Conversion Delta LSB" is used.

**Addressed In: 2.9.747 (14 item(s))****CR Number: 4079**

Component: IDA

Fix: Possible Problem with functions that were removed and are added again after a reuse.

**CR Number: 4075**

Component: Evaluation

Fix: The evaluation process may fail on a large number of test cases.

**CR Number: 4064**

Component: Instrumenter

Fix: Wrong code generation for "if" statements directly followed by keywords (without "{}" block delimiters, e.g. "if (x) break;") if instrumentation is "none" but instrumentation is done because of static variables, stub functions, or calltrace.

**CR Number: 4062**

Component: Parser/HI-TECH PIC18

Fix: Adapted parser to Version 9.8 of HI-TECH PIC18.

**CR Number: 4061**

Component: Driver

Fix: Error in slave with OUT pointer to pointer to Dynamic Objects.

**CR Number: 4058**

Component: TRACE32

Fix: Performance problem with newer TRACE32 versions fixed (applicable for all microcontroller).

**CR Number: 4057**

Component: Driver

Fix: Definition of test driver send/receive functions for arrays with 'volatile' type modifier.

**CR Number: 4056**

Component: CDT Debugger for GNU/gcc

Fix: Support for the Eclipse CDT debugger for GNU/gcc added.

**Addressed In: 2.9.747 (14 item(s))****CR Number: 4046**

Component: Parser/Driver

Fix: Analyzation and generating of #pragma pack(push) and #pragma(pop) directives.

**CR Number: 4045**

Component: Driver

Fix: Changed cast to access static variables due to problems with Keil XC166 compiler.

**CR Number: 4044**

Component: Parser

Fix: Support #pragma inline for IAR STM8 compiler.

**CR Number: 4043**

Component: Driver

Fix: Generate void to empty parameter list in slave to avoid errors with certain compilers.

**CR Number: 4038**

Component: SCE

Fix: Missung icons an tooltip at Evalmacros C-Code-Fragments.  
Wrong actual/expectd value at hex elements.**CR Number: 4017**

Component: Defines

Fix: Wrong define value in shift operations if the MSB is set. [e.g. #define U32\_SHIFT\_31 ((unsigned int) 1) &lt;&lt; 31]

**Addressed In: 2.9.746 (17 item(s))****CR Number: 3988**

Component: IAR C-SPY Debugger

Fix: Transferring test data containing the hex value 0x0A to the C-SPY debugger could cause problems.

**CR Number: 3986**

Component: Driver

Fix: Wrong declaration of wrapper function for static testobjects with structures as return or parameter.

**CR Number: 3983**

Component: Instrumenter

Fix: The instrumenter terminates with an error if a '\\' character constant is seen.

**CR Number: 3981**

Component: Parser/TI TMS xxx

Fix: Fixed missing space between static and inline keywords after preprocessing.

**Addressed In: 2.9.746 (17 item(s))****CR Number: 3980**

Component: Batchtest

Fix: Suppress batchtest report progress dialog by setting TESSY\_NO\_BATCH\_REPORT\_PROGRESS in TESSY configuration file.

**CR Number: 3978**

Component: Batchtest

Fix: Setting 'Batchtest Wait Time' was not working correctly.

**CR Number: 3966**

Component: IDA

Fix: Passdirections of unassigned structure components may be inconsistent after reuse.

**CR Number: 3965**

Component: IDA

Fix: Improved automatic assignment of anonymous structs/unions.

**CR Number: 3964**

Component: Parser

Fix: Support #pragma pack() for Greenhills ARM.

**CR Number: 3963**

Component: Driver

Fix: Possible Problems in driver when various dynamic INOUT pointers target one object.

**CR Number: 3962**

Component: HiTOP

Fix: Synchronization problem with large data transfers.  
Transmission problem caused by query of endianness from slave.  
"Permission denied" problem with data files on Windows 7.**CR Number: 3961**

Component: SCE

Fix: View update.

**CR Number: 3960**

Component: Parser

Fix: Use original preprocessor for HI-TECH PIC16/PIC18 compiler.

**CR Number: 3959**

Component: Altera Nios II

Fix: Use TEE attribute for BSP library name.

**CR Number: 3958**

Component: STVD7

Fix: Template makefile must not use short paths.

**Addressed In: 2.9.746 (17 item(s))****CR Number: 3957**

Component: Renesas HEW Template Script

Fix: Changed address resolution mechanism.

**CR Number: 3956**

Component: STVD7

Fix: Sync wait time implemented for slow target connections.

**Addressed In: 2.9.745 (13 item(s))****CR Number: 3938**

Component: Driver

Fix: Missing function memory keywords for Cosmic (problem occurred in V2.9.(7)44).

**CR Number: 3933**

Component: TESSY

Fix: Force 'Generate Driver' when a copied testcase is pasted.

**CR Number: 3932**

Component: Parser

Fix: Support #pragma pack() for ARM RVDS.

**CR Number: 3930**

Component: Driver

Fix: Possible wrong code for dynamic objects inside other dynamic objects.

**CR Number: 3925**

Component: Parser/IAR ARM

Fix: Added support for the \_\_constrange(n,m) keyword.

**CR Number: 3920**

Component: VisualDSP++

Fix: Updated the target communication script to the latest VisualDSP++ version.

**CR Number: 3919**

Component: Report

Fix: Missing test step section in XML result file (problem occurred in V2.9.(7)44).

**CR Number: 3918**

Component: CTC++ Integration

Fix: New support for coverage measurements using CTC++ added.

**CR Number: 3917**

Component: IDB

Fix: Backward compatibility problem in interface database.

**Addressed In: 2.9.745 (13 item(s))****CR Number: 3915**

Component: Driver

Fix: Wrong defines for static struct variables in address vector in usercode

**CR Number: 3913**

Component: Export

Fix: Wrong stub function information in Excel export file.

**CR Number: 3911**

Component: Parser

Fix: Support `__restrict__` keyword for ARM RVDS.**CR Number: 3910**

Component: Green Hills Software MPC compiler / Lauterbach Trace32 debugge

Fix: New support for Green Hills Software MPC compiler and Lauterbach Trace32 debugger added.

**Addressed In: 2.9.744 (7 item(s))****CR Number: 3908**

Component: Instrumenter

Fix: Wrong instrumentation if a while body consist of a single switch statement without surrounding curly brakets.

**CR Number: 3900**

Component: Driver

Fix: For Tasking XC166 cast far pointer to unsigned long in slave for comparison since only the first 14 bit of far pointers are compared.

**CR Number: 3898**

Component: Driver

Fix: Error with static variables as pointer targets, when there are static variables in different memory areas.

**CR Number: 3897**

Component: Driver

Fix: Error generating memory modifier for functionpointers in structures.

**CR Number: 3829**

Component: TDE

Fix: Do not show evaluation icons at unused struct members.

**CR Number: 3824**

Component: HTML Report

Fix: Added missing default assignment for logoURL.

**Addressed In: 2.9.744 (7 item(s))****CR Number: 3800**

Component: Component Test

Fix: Show Usercode fragments in Scenario report.

**Addressed In: 2.9.743 (12 item(s))****CR Number: 3895**

Component: CTE/Tessy

Fix: Test step repeat count get lost during synchronization from CTE with Tessy.

**CR Number: 3881**

Component: Report

Fix: Header logo link substitution fails for IE.

**CR Number: 3879**

Component: Parser

Fix: Support for asm functions for Freescale MPC.

**CR Number: 3878**

Component: Driver

Fix: Generate \_\_packed for structure declarations in slave if necessary.

**CR Number: 3877**

Component: Driver

Fix: Fixed cast for const arrays in slave.

**CR Number: 3876**

Component: Tasking Crossview

Fix: Optimized data transfer from/to target.

**CR Number: 3874**

Component: Coverage Measurement

Fix: Optimized coverage data transfer resulting in shorter test execution time.

**CR Number: 3872**

Component: CTE/Tessy

Fix: Loss of test object prolog and epilog after synchronization with Tessy from CTE.

**CR Number: 3871**

Component: CTE/Tessy

Fix: Possible wrong test object state after synchronization with Tessy from CTE.

**CR Number: 3870**

Component: TI MSP430/TI CCSv4

Fix: New support added for TI CCSv4 Debugger and TI MSP430 C compiler



**Addressed In: 2.9.743 (12 item(s))****CR Number: 3869**

Component: Coverage Viewer

Fix: Possible wrong function coverage result display (green dot).

**CR Number: 3818**

Component: CTE/Tessy

Fix: Possible wrong test case states after synchronization with Tessy from CTE.

**Addressed In: 2.9.742 (17 item(s))****CR Number: 3867**

Component: CV

Fix: Wrong display of C1 coverage within CV for testobjects containing switch statements with fall-through cases (case without break).

**CR Number: 3865**

Component: Parser

Fix: Keyword `__forceinline` for ARM RVDS.**CR Number: 3849**

Component: IDA

Fix: Crash when a formerly removed external function is back in interface again.

**CR Number: 3848**

Component: Driver

Fix: Error initializing addressvector in slave with static functions used as pointer targets.

**CR Number: 3847**

Component: Driver

Fix: Code to access static variables of type bit if more than one is OUT.

**CR Number: 3845**

Component: Driver

Fix: Missing memory modifier in cast of absolute address.

**CR Number: 3844**

Component: Instrumenter

Fix: Add addresses of pointer targets inside static local structs to addressvector.

**CR Number: 3843**

Component: Driver

Fix: Error in generated code for far pointer inside far struct.

**CR Number: 3842**

Component: Driver

Fix: Do not generate code for fillbits in bitfields used by advanced stubs.

**Addressed In: 2.9.742 (17 item(s))****CR Number: 3841**

Component: Driver

Fix: Error in functions to get/set array with pointers to functions in other memory sections.

**CR Number: 3840**

Component: Driver

Fix: Moved variable initializations in slave code outside functions into function, These variables are not initialized by TI TMS 320 C6000 Compiler.

**CR Number: 3839**

Component: Driver

Fix: Error generating memory modifier for functionpointers for Cosmic Compilers.

**CR Number: 3838**

Component: Driver

Fix: Error generating memory modifier for array with functionpointers.

**CR Number: 3837**

Component: Driver/Component Test

Fix: Generate Evalmacros only for numbers, defines or enum constants.

**CR Number: 3832**

Component: ASAP

Fix: IDENTICAL compu method and ANNOTATION section handling added.

**CR Number: 3826**

Component: Green Hills Software MPC/Green Hills Software Multi2000

Fix: New support for Green Hills Software MPC compiler and Green Hills Software Multi2000 debugger added.

**CR Number: 3813**

Component: MPLAB Simulator DLL

Fix: Updated MPLAB interface to support current version.

**Addressed In: 2.9.741 (9 item(s))****CR Number: 3821**

Component: Instrumenter

Fix: Type of current teststep and testcase in user source.

**CR Number: 3820**

Component: TXT Report

Fix: Added additional layout scripts for text reports.

**CR Number: 3817**

Component: IAR PIC18/MPLAB

Fix: New support added for IAR PIC18/Microchip MPLAB.

**Addressed In: 2.9.741 (9 item(s))****CR Number: 3814**

Component: IDA

Fix: Automatic assignment of anonymous struct/union.

**CR Number: 3806**

Component: Parser

Fix: Added missing keywords for IAR STM8 compiler.

**CR Number: 3805**

Component: IAR AVR32

Fix: Added support of IAR AVR32 Compiler on C-SPY Debugger.

**CR Number: 3804**

Component: Driver

Fix: Error in generated code to get/set static variables of type bit.

**CR Number: 3803**

Component: Driver

Fix: Generate defines for static variables to usersource when local functions are stubbed.

**CR Number: 3802**

Component: Driver

Fix: Possible error in driver with dynamic structs and normal structs of same type used as IN and OUT variables.

**Addressed In: 2.9.740 (2 item(s))****CR Number: 3798**

Component: Parser

Fix: Added keywords for IAR 78K0 V4.2.

**CR Number: 3796**

Component: Tessy

Fix: Reset states to 'not executed' when user aborts test evaluation.

**Addressed In: 2.9.739 (11 item(s))****CR Number: 3793**

Component: Wind River / winIDEA

Fix: Update for Wind River / winIDEA

**CR Number: 3792**

Component: Wind River / Trace32

Fix: Update for Wind River / Trace32.

**Addressed In: 2.9.739 (11 item(s))****CR Number: 3790**

Component: Parser

Fix: Added missing keywords for TI TMS320.

**CR Number: 3781**

Component: TMS 570/TI CCS4

Fix: Added emulator support for TMS 570/TI CCS4.

**CR Number: 3780**

Component: Microware Ultra C/RadiSys Hawk

Fix: Added C++ support for Microware Ultra C/RadiSys Hawk.

**CR Number: 3779**

Component: Driver

Fix: Possible error generating driver for array of structs containing pointers to different memory areas.

**CR Number: 3778**

Component: Driver

Fix: Fixed generating casts for Tasking TricoreVX . This compiler does not allow memory modifiers in casts.

**CR Number: 3777**

Component: Evaluation

Fix: Error in evaluation of floats that have actual value \*unknown\*.

**CR Number: 3776**

Component: Driver

Fix: Possible error in driver for union containing structs that contain multiple structs of the same type.

**CR Number: 3775**

Component: OBT with HiTOP

Fix: Support for static variables for Original Binary Test on HiTop.

**CR Number: 3774**

Component: Word Report

Fix: Problem with Word 2010 fixed, scenario description for component tests added.

**Addressed In: 2.9.738 (6 item(s))****CR Number: 3763**

Component: IAR for STMicroware STM8

Fix: New support added for IAR for STMicroelectronics STM8 debugger/compiler.

**CR Number: 3762**

Component: Parser

Fix: Detecting passdirection of anonymous inner structs.

**Addressed In: 2.9.738 (6 item(s))****CR Number: 3761**

Component: Driver

Fix: Type of current testcase and teststep in usercode file.

**CR Number: 3760**

Component: Driver

Fix: Generating slave function for anonymous inner structs.

**CR Number: 3759**

Component: Driver

Fix: Generating memory modifier in cast to array with two or more dimensions.

**CR Number: 3758**

Component: Driver

Fix: Generating memory modifier for functionpointers for Cosmic compiler.

**Addressed In: 2.9.737 (12 item(s))****CR Number: 3745**

Component: Driver

Fix: Problem with high optimizing compiler, removing communication function for Trace32.

**CR Number: 3741**

Component: Defines

Fix: Possible wrong define value computation for long long constants.

**CR Number: 3740**

Component: RadiSys Hawk Debugger/Microware Ultra C compiler

Fix: New support added for RadiSys Hawk Debugger and Microware Ultra C compiler

**CR Number: 3739**

Component: PLS/UDE

Fix: New support added for PLS/UDE TI TMS 570 compiler/debugger.

**CR Number: 3738**

Component: TIE

Fix: Missing entry in popup menu "Don't create advanced stub".

**CR Number: 3737**

Component: Driver

Fix: Error in generating memory modifiers for arrays and function pointers.

**CR Number: 3736**

Component: EXP

Fix: Termination problem when running from tessycmd without a running Tessy.

**Addressed In: 2.9.737 (12 item(s))****CR Number: 3735**

Component: Tessy / Conversion

Fix: Possible error with enum constants when converting from 2.5 to 2.9.

**CR Number: 3734**

Component: SCE

Fix: Lowercase conversion bug.

**CR Number: 3733**

Component: Tessy

Fix: Support for Keil ARM RVDS (C++) added

**CR Number: 3728**

Component: TDE

Fix: Test object specific user code declarations and definitions are lost after synchronization with Tessy from CTE.

**CR Number: 3717**

Component: IDA

Fix: Possible los of test case prolog/epilog after reuse operation.

**Addressed In: 2.9.734 (10 item(s))****CR Number: 3713**

Component: ASAP

Fix: If a FORMAT is specified within a MEASUREMENT or CHARACTERISTIC section this format is used for conversion operations.

**CR Number: 3710**

Component: Altera NIOS II

Fix: New support added for Altera NIOS II compiler/debugger.

**CR Number: 3701**

Component: Parser

Fix: Implemented analyzation of pragmas for TI TMSx70.

**CR Number: 3698**

Component: ASAP

Fix: Fixed a conversion error if the interface object is a floating point number.

**CR Number: 3697**

Component: Tessy

Fix: Test step repeat count is lost during copy &amp; paste operation.

**CR Number: 3696**

Component: TDE

Fix: Added range check against min and max values for objects with ASAP information.

**Addressed In: 2.9.734 (10 item(s))****CR Number: 3695**

Component: Parser

Fix: Implemented analyzation of pragmas for Metrowerks HCS12(X).

**CR Number: 3694**

Component: Driver

Fix: Possible crash with large amounts of test steps while generating the test driver.

**CR Number: 3692**

Component: UDE

Fix: Always use given workspace and enable UDE GUI, if a workspace is provided within TEE attributes.

**CR Number: 3659**

Component: Import

Fix: The values "true" and "false" are recognized for \_Bool types during import.

**Addressed In: 2.9.733 (8 item(s))****CR Number: 3688**

Component: Original Binary Test

Fix: TDE crash during test data export for Original Binary Test

**CR Number: 3685**

Component: ASAP

Fix: Added support for ASAP TAB\_VERB conversion.

**CR Number: 3679**

Component: Driver

Fix: Possible error with pointers targeting components of dynamic structs.

**CR Number: 3678**

Component: Driver

Fix: Generating memory modifier for function pointers.

**CR Number: 3677**

Component: TRACE32

Fix: Updated TRACE32 interface to support current versions.

**CR Number: 3674**

Component: Tasking VX C166

Fix: Added support for new keywords of compiler version 2.4

**CR Number: 3672**

Component: Tessy

Fix: Loss of test object specific attributes after reuse.

**Addressed In: 2.9.733 (8 item(s))****CR Number: 3670**

Component: C++ Support

Fix: Added support for inner classes. [e.g. class foo { class bar { void method(); }; void method();};]

**Addressed In: 2.9.732 (3 item(s))****CR Number: 3664**

Component: Driver

Fix: Calculating memory modifier for structure components.

**CR Number: 3663**

Component: Driver

Fix: Error in cast of pointer to different memory area for parameter of Advanced Stub functions.

**CR Number: 3661**

Component: Tessy Command

Fix: Added facility to specify a project root together with a pdb database. The given project root will be assigned permanently to the given database.

**Addressed In: 2.9.731 (5 item(s))****CR Number: 3657**

Component: Driver

Fix: Error generating driver when a pointer inside an array of structs targets the array itself.

**CR Number: 3652**

Component: SCE

Fix: New view for improved copying of scenario content: copy of one scenario into multiple other scenarios is now possible.

**CR Number: 3651**

Component: SCE

Fix: Actions in scenario view are now selection sensitive. Deletion of empty, subsumed time steps is now possible.

**CR Number: 3650**

Component: SCE

Fix: Empty time steps at the end of a scenario will not be removed anymore.

**CR Number: 3611**

Component: SCE

Fix: Copy &amp; Paste of multiple time step elements fixed



**Addressed In: 2.9.730 (7 item(s))****CR Number: 3641**

Component: IDA

Fix: Fixed call trace problem with called functions if the scope changes from global to extern.

**CR Number: 3639**

Component: Import

Fix: Possible crash when importing from Excel with call traces.

**CR Number: 3633**

Component: Driver

Fix: Fixed generating stub Function prototype for Keil C166.

**CR Number: 3632**

Component: Driver

Fix: Missing commandline parameter DEBUG in assembler makefile command for Keil C51.

**CR Number: 3630**

Component: Usercode

Fix: Testdriver generation crashed if user code fragments (prolog/epilog/declaration/definitions) greater 1024 bytes are used.

**CR Number: 3628**

Component: Parser

Fix: Added support for ISO C99 compound literals. [e.g. \*pointer = (struct S) {1,2,3}; ]

**CR Number: 1904**

Component: Driver

Fix: Pointers and dynamic objects will work correctly in all memory areas (far, near, banked etc.).

**Addressed In: 2.9.729 (10 item(s))****CR Number: 3616**

Component: Parser

Fix: Possible problem with identifier names starting with asm when scanning the asm keyword.

**CR Number: 3615**

Component: TI CCSv4 / TMS570 and TMS320C6000

Fix: New feature: CCSv4 supported for TMS570 (e.g. CortexR4) and TMS320C6000

**CR Number: 3613**

Component: Driver

Fix: Fixed generating function prototype for functions returning a const value.

**CR Number: 3612**

Component: Parser

Fix: Added support for \_\_asm keyword for GNU compilers.

**Addressed In: 2.9.729 (10 item(s))****CR Number: 3609**

Component: Defines

Fix: Problem processing floating point values in defines [e.g. #define VALUE -9.81]

**CR Number: 3608**

Component: Defines

Fix: Added support for binary constants in defines [e.g. #define MASK 0b00000001]

**CR Number: 3604**

Component: TDE

Fix: Decimal Key on Numpad is not recognized.

**CR Number: 3602**

Component: TDE

Fix: Prevent Defines Combobox from opening for Values imported from CTE.

**CR Number: 3601**

Component: TDE

Fix: Define values from CTE are corrupted after copy/paste complete testcase.

**CR Number: 3600**

Component: Batch Report

Fix: Synchronization problem between signal picture generator and execution controller.

**Addressed In: 2.9.728 (7 item(s))****CR Number: 3593**

Component: Parser / IAR ARM

Fix: Added support for \_Pragma() keyword for IAR ARM.

**CR Number: 3586**

Component: TI Code Composer Studio 4

Fix: Support for TI Code Composer Studio 4 added.

**CR Number: 3584**

Component: Batch Report

Fix: Sometimes missing result plots in batch reports.

**CR Number: 3581**

Component: IDA

Fix: Added a facility to execute test data assignment in an own process per testobject to avoid crashes due to memory problems. For more information refer to the application note Committing your changes in IDA.

**CR Number: 3577**

Component: IDB

Fix: Missing type qualifiers for bit variables.

**Addressed In: 2.9.728 (7 item(s))****CR Number: 3575**

Component: Driver

Fix: Support for #pragma asm/endasm sections in user sources for Keil C51 compiler.

**CR Number: 3574**

Component: Instrumenter

Fix: Potentially wrong MCC and MC/DC decision tables in conjunction with negation operators and complex decision statements.

**Addressed In: 2.9.727 (7 item(s))****CR Number: 3562**

Component: IDB

Fix: Reuse did not work when a function is added or removed.

**CR Number: 3561**

Component: TDE

Fix: actual to expected only works for two teststeps.

**CR Number: 3560**

Component: TDE

Fix: Generate teststep dialog can only be used once.

**CR Number: 3559**

Component: TDE

Fix: CTE flag was copied on copy/paste complete testcase (Alt-C/Alt-V).

**CR Number: 3558**

Component: Tessy

Fix: Usercode was not copied when copying testcase in testcasewindow.

**CR Number: 3557**

Component: Driver

Fix: Transferring positive values to slave starting with '+' (e.g. '+42').

**CR Number: 3556**

Component: Instrumenter

Fix: Error instrumenting #pragma asm.

**Addressed In: 2.9.726 (14 item(s))****CR Number: 3547**

Component: Driver

Fix: Generate char instead of bit as default return value type in stub functions for Hitech PIC 18.

**Addressed In: 2.9.726 (14 item(s))****CR Number: 3546**

Component: IDA

Fix: Reuse of modules using aliasnames.

**CR Number: 3545**

Component: Green Hills / ARM

Fix: Added support for Green Hills ARM / Multi 2000.

**CR Number: 3544**

Component: ASAP

Fix: Test data import failed if no explicit 'Conversion Parameter' is set.

**CR Number: 3532**

Component: IDB

Fix: Invalid calltrace if compressed test data size equals uncompressed test data size.

**CR Number: 3531**

Component: Driver/C++

Fix: Generate .cpp file type for customer files in C++ modules.

**CR Number: 3530**

Component: Driver/C++

Fix: Generate typedef for TESSY\_CPlusPlus\_Result enum.

**CR Number: 3529**

Component: IDB

Fix: Added support for asm(...); statements for HI-TECH PIC-18.

**CR Number: 3528**

Component: IDA

Fix: Fixed crash when updating recursive called functions.

**CR Number: 3527**

Component: IDB

Fix: Handle possible parser crash if unable to recover from parse error.

**CR Number: 3526**

Component: IDB

Fix: Possible invalid call reference of variable, after changing source without reuse.

**CR Number: 3518**

Component: HI-TECH PIC-18

Fix: The asm(...); statement is now supported for HI-TECH PIC-18

**CR Number: 3515**

Component: Tessy

Fix: Don't complain about missing files when creating module archives with tar version &lt; 1.13.19

**Addressed In: 2.9.726 (14 item(s))****CR Number: 3509**

Component: Tessy

Fix: Support if the users APPDATA environment variable points to an UNC path. [e.g. \\server\folder]

**Addressed In: 2.9.24 (8 item(s))****CR Number: 3511**

Component: MPLAB

Fix: Communication problem between Tessy master and MPLAB target handler

**CR Number: 3507**

Component: GNU ARM/Cortex

Fix: Added support for ARM/Cortex controller and HiTOP debugger.

**CR Number: 3506**

Component: Parser

Fix: Added support for GNU specific keywords to GNU Arm, GNU Hitex Arm, and GNU Hitex Cortex.

**CR Number: 3505**

Component: Driver

Fix: Saving timer result file.

**CR Number: 3504**

Component: Instrumenter

Fix: Test execution may fail with instrumentation if ternary conditions like 'x = a ? b : (c || d);' are used.

**CR Number: 3503**

Component: TDE

Fix: Copy and paste for manually entered pointer targets.

**CR Number: 3502**

Component: Keil µVision

Fix: Initialization problem: Failed to read address of ts\_user\_callback.

**CR Number: 3501**

Component: Tessy

Fix: A false archiv corrupted warning appears when restoring a module archiv created with Tessy version 2.9.

**Addressed In: 2.9.23 (12 item(s))****CR Number: 3499**

Component: Report

Fix: Problem with HTML report and Firefox browser.

**Addressed In: 2.9.23 (12 item(s))****CR Number: 3498**

Component: TIE

Fix: User set array size (in case of unknown array size) was not saved.

**CR Number: 3497**

Component: Parser

Fix: Parse error on #pragma endasm when '(' directly followed endasm.

**CR Number: 3496**

Component: Import

Fix: Allow importing character values (e.g. 'a') as hexadecimal values.

**CR Number: 3495**

Component: Import

Fix: Setting passing directions of advanced stub variables during import.

**CR Number: 3494**

Component: ASAP

Fix: New tags supported for ASAP version 1.4.

**CR Number: 3493**

Component: Coverage Viewer

Fix: Display problem with large flowcharts.

**CR Number: 3491**

Component: Tasking XC166 VX / winIDEA

Fix: Support for Tasking XC166 VX / winIDEA added.

**CR Number: 3487**

Component: Driver

Fix: Generating variable definitions for arrays and pointers using typedef names with user includes feature enabled.

**CR Number: 3486**

Component: Driver

Fix: Generating function declarations with memory modifiers for Keil XC16x.

**CR Number: 3485**

Component: IDA

Fix: New variables used in stubbed local functions (for unit test) and those used within component functions (for component test) were not initially set to IRRELEVANT after reuse operation.

**CR Number: 3484**

Component: Parser

Fix: Added support for C99 simple loop initial declaration. [e.g. for (int i = 0; i &lt; 10; i++) ... ]

**Addressed In: 2.9.22 (7 item(s))****CR Number: 3476**

Component: TI TMS320 / CCS3

Fix: Slave call was not executed, resulting in CCS not being started for test execution.

**CR Number: 3475**

Component: IDA

Fix: Possible error with passdirection of Advanced Stub variables after reuse.

**CR Number: 3474**

Component: IDA

Fix: Defines used in test data were converted to their numerical values after reuse.

**CR Number: 3473**

Component: TDE

Fix: Error saving pointer target NULL when 'NULL' was entered manually within TDE.

**CR Number: 3472**

Component: TDE

Fix: Copy/paste of complete test steps within TDE did not copy anything.

**CR Number: 3471**

Component: Instrumenter

Fix: Wrong MC/DC instrumentation if an expression contains multiple character constants. [e.g. (a &lt;= '0' &amp;&amp; b &gt;= '9')]

**CR Number: 3461**

Component: Parser

Fix: The parser fails if the identifier being initialized is used within the initialisation statement itself.

**Addressed In: 2.9.21 (10 item(s))****CR Number: 3458**

Component: IDA

Fix: Corrupted interface database after a reuse operation if static local variables are enabled and present.

**CR Number: 3457**

Component: IDA

Fix: Possible problem with union component selector after reuse operation.

**CR Number: 3453**

Component: Test Evaluation

Fix: Evaluation of dynamic arrays.

**Addressed In: 2.9.21 (10 item(s))****CR Number: 3452**

Component: Tessy / Conversion

Fix: Error in passdirections of variables with unknown passdirection after converting Projects from Tessy 2.5.

**CR Number: 3451**

Component: Driver

Fix: Reactivated HIL test support.

**CR Number: 3450**

Component: Calltrace

Fix: Wrong calltrace with removed functions after reuse operation.

**CR Number: 3449**

Component: Parser

Fix: Invalid interface database if compiler intrinsic functions are used.

**CR Number: 3444**

Component: Tessy Main

Fix: Unwanted GUI controls on testobject properties tabs.

**CR Number: 3443**

Component: Report

Fix: Added configuration file to test report.

**CR Number: 3440**

Component: TDE

Fix: Corrupted return type for external functions without prototype.

**Addressed In: 2.9.19 (4 item(s))****CR Number: 3439**

Component: Driver

Fix: Wrong scenario code if there is only one timestep between last Timestep and End of Scenario.

**CR Number: 3416**

Component: Backup

Fix: Missing IDB/TDB files within module backup (\*.tmb) files causing the restore of modules to fail.

**CR Number: 3414**

Component: Export

Fix: Possible crash when exporting empty arrays

**CR Number: 3412**

Component: Coverage Viewer

Fix: Empty flow pane if a ternary statement is used within a switch selector.



**Addressed In: 2.9.18 (7 item(s))****CR Number: 3405**

Component: TESSY Command

Fix: Error in building the logfile name if an absolute path is given with the -log option.

**CR Number: 3399**

Component: TESSY / Conversion

Fix: Stub code and test data for functions with long names get lost during database conversion from 2.6 to 2.9.

**CR Number: 3398**

Component: IDA

Fix: Teststep call count gets lost during reuse operation.

**CR Number: 3397**

Component: IDA

Fix: Checking of file access privileges before reuse operation corrected (this caused problems on windows 2000).

**CR Number: 3395**

Component: Instrumenter

Fix: The instrumenter crashes if a ternary statement is used within a switch selector.

**CR Number: 3394**

Component: IDB

Fix: Recursively called test objects appeared as local functions in TIE

**CR Number: 3393**

Component: Instrumenter

Fix: Wrong positions in dataflow for Freescale MPC55xx compiler.

**Addressed In: 2.9.17 (7 item(s))****CR Number: 3386**

Component: Parser

Fix: New feature: Support of C99 feature to mix declarations and statements within compound statements.

**CR Number: 3385**

Component: Parser

Fix: New feature: Support of C99 feature to use designators in initializers.

**CR Number: 3384**

Component: IDB

Fix: New feature: Enum base types for bitfields are now supported.

**Addressed In: 2.9.17 (7 item(s))****CR Number: 3383**

Component: Coverage Measurement

Fix: New feature: Enhanced coverage measurement now supports the ternary "?" operator for branch and decision coverage. Also boolean expressions in statements are now supported for MC/DC coverage.

**CR Number: 3381**

Component: Database Backup

Fix: New feature: Easy saving and restoring of TMB file backups for all modules/projects of a PDB database.

**CR Number: 3258**

Component: IDB / TDB

Fix: New feature: Optimized interface database and test database.

**CR Number: 3257**

Component: Component Test

Fix: New feature: Time based component testing.

**Addressed In: 2.9.x (beta) (35 item(s))****CR Number: 3382**

Component: TDE/Evaluation

Fix: Wrong test result if ASAP values are is used in return values.

**CR Number: 3377**

Component: pdb32

Fix: pdb32 failed to extract compressed module archives when started from a shell without Tessy environment.

**CR Number: 3372**

Component: Instrumenter

Fix: Invalid flow generation if a call of a function to instrument is seen before the function definition.

**CR Number: 3371**

Component: Instrumenter

Fix: Generation of invalid code for initializations with braces. [e.g. int array[] = {1,2,3};]

**CR Number: 3370**

Component: Tessy / Conversion

Fix: Testobject specific usercode declarations and definitions get lost during conversion from 2.6 to 2.9.

**CR Number: 3369**

Component: Coverage Viewer

Fix: Return symbol will show the correct color for C2 coverage

**Addressed In: 2.9.x (beta) (35 item(s))****CR Number: 3366**

Component: Instrumenter

Fix: An invalid flow file is generated if the last statement of a statement list is an array declaration with initialization.

**CR Number: 3365**

Component: Instrumenter

Fix: Instrumenter crash if a condition consist of more than MAX\_MCC\_ATOMS or MAX\_MCDC\_ATOMS.

**CR Number: 3346**

Component: Instrumenter

Fix: New feature: C1/C2 coverage supports logical operations in assignment expressions and parameter lists.

**CR Number: 3345**

Component: Instrumenter

Fix: New feature: C1/C2 coverage supports ternary operations.

**CR Number: 3337**

Component: Driver

Fix: Declaration of irrelevant variables in Component Test removed

**CR Number: 3333**

Component: SCE

Fix: Custom Scenario Stepsize lost after reuse.

**CR Number: 3299**

Component: IDA

Fix: Missing testobject comment after restoring a module with subsequent reuse.

**CR Number: 3298**

Component: Driver

Fix: Testdriver generation fails if defines are used within usercode.

**CR Number: 3297**

Component: CTE / Tessy

Fix: Missing synchronization between Tessy and CTE after test execution.

**CR Number: 3296**

Component: CTE / Tessy

Fix: Test data get lost after a reuse and later synchronization with CTE.

**CR Number: 3295**

Component: Driver

Fix: Erroneous declaration of return type for far functions.

**Addressed In: 2.9.x (beta) (35 item(s))****CR Number: 3294**

Component: CV

Fix: Wrong presentation of while loops containing a break statement.

**CR Number: 3293**

Component: Instrumenter

Fix: The instrument generates defective code if in an if statement without block braces and a single return statement is used inside a switch statement.

**CR Number: 3291**

Component: CV

Fix: Update scenario information in coverage viewer after test execution.

**CR Number: 3289**

Component: TDE

Fix: Define values gets lost when entered within TDE.

**CR Number: 3288**

Component: EXP

Fix: Error during test execution if 'Testcase separately' is selected.

**CR Number: 3286**

Component: SCE

Fix: Disabled editing for unused stubfunctions.

**CR Number: 3285**

Component: CV

Fix: Rendering problem with large C1 counters.

**CR Number: 3280**

Component: SCE/Tessy

Fix: Copy &amp; paste of scenario code in SCE and in Tessy when copying testcases.

**CR Number: 3279**

Component: Export

Fix: Insensitive data selection radioboxes when exporting from an executed testobject.

**CR Number: 3278**

Component: Test Evaluation

Fix: Possible wrong test results for static local variables within inner scopes and expected value \*ignore\*.

**CR Number: 3273**

Component: Parser

Fix: The parser failed on cast expressions with pointer dereferences to absolute addresses within initializers [e.g. int \*p = {&amp;\*(S\*) 0xAFFE}.u;]

**Addressed In: 2.9.x (beta) (35 item(s))****CR Number: 3263**

Component: TE

Fix: The TE Process crashes if a queued command terminates with an error.

**CR Number: 3262**

Component: Analog Devices Blackfin

Fix: Added support for ``_Pragma()`` for Analog Devices Blackfin.**CR Number: 3261**

Component: Tasking Tricore / Tasking Tricore VX

Fix: Added support for arbitrary expressions within ``_at (...)`` for Tasking Tricore/Tasking Tricore VX**CR Number: 3260**

Component: Parser/Freescale MPC55XX

Fix: Added support for ``__declspec (...)``, ``asm void foo ()``, and ``asm {nop; nop;...}`` for Freescale MPC55XX compiler.**CR Number: 3177**

Component: Driver

Fix: Avoid crash when a pointer target is invalid after reuse.

**CR Number: 3174**

Component: Driver

Fix: Possible error in driver, when a static local variable is used as pointer target.

**CR Number: 3047**

Component: Parser

Fix: The parser fails if typedef names are used as identifiers.