e2studio 1.1.1.8 Release Note: 25th February 2013

New features in 1.1:

Component	Description
	Debug configuration options improved for RX and RL78. For example RX now supports external RAM
Debug configurations	configuration and flash overwrite options.
	Build and debug support now available for the SH device. GNU SH and Renesas SH C toolchains are
	supported. E10A-USB debugger is supported. Device families are SH2 and SH2A.
SH support	SH supports the trace and eventpoints functionality in the same manner as RX and RL78.
Profile	Profile plugin developed. Any device that has trace functionality is supported.
Coverage	Coverage plugin developed to support RL78 IECUBE.
	Enhanced memory plugin developed to provide endian aware rendering modes and improved memory fill
	capaiblity.
Memory	Importing memory via a file also has improved performance.
Registers	Register radix can now be defined on a per register basis. It is saved to the debug configuration.
Project Wizard	Project wizard improved for easier device selection and nicer look and feel.
	New import facility to import projects from the HEW IDE to e2studio. Supports HEW 4.07 onwards and SH
HEW Project Importer	and RX projects.

Important workarounds useful to know when using 1.1.1.8:

ID	Component	Description
	Application	Symptoms: About box does not show 1.1.1.8 following update. Workaround: To keep the update size small the main e2studio version was not updated for 1.1.1.8. If you examine installation details you can see e2studio is 1.1.1.8. Only the RL78 GDB component was updated for 1.1.1.8.
2010	HEW Importer	Symptoms: Project fails to build after import from HEW Conditions: If a long filename or path is used, and the HEW project importer is used, the project may fail to build. Workaround: Move the original HEW project to a shallow directory structure (i.e.) C:\Workspace and import from there.
1922	Application	Symptoms: Project fails to build in first instance after archive project import (not from HEW) Conditions: If an archived project is imported it may fail to build the first time, due to a residual .d file. Workaround: Clean and Build a second time.
1730	Application	Symptoms: Macro expansion fails due to invalid Placeholder. Conditions: Placeholder (being used in include path) corrupted if the source folder is deleted. \${workspace_loc:/\${ProjName}/src} becomes: "\${workspace_loc:/PlaceCorrupt/PlaceCorrupt/src}" Workaround: If you intend to delete the source directory, the include paths need to be updated or removed from include path list prior to deleting the source directory.

Fixed issues in 1.1.1.8

ID	Component	Description
2323		Revised RL78 GDB executable added to e2studio. This is required for the effective debugging of RL78 GCC 13.01 projects. This is due to enhanced debug information containing DWARF4 in the latest toolchain.

Fixed issues in 1.1.1.7

ı	ID	Component	Description

2064	Application	Device Support The following MCUs of the RX family have been added to the support line: R5F562G7 (NOTE) and R5F562GA (NOTE) (RX62G group) R5F5630A (NOTE) and R5F5630B (NOTE) (RX630 group) R5F5631D (NOTE), R5F5631E (NOTE), R5F5631M, R5F5631N, and R5F5631P (RX631 group) R5F563ND (NOTE) and R5F563NE (NOTE) (RX63N group) R5F563T4 (NOTE), R5F563T5 (NOTE), and R5F563T6 (NOTE) (RX63T group) R5F52103, R5F52104, R5F5210A, and R5F5210B (RX210 group) R5F52146, R5F521A7, and R5F521A8 (RX21A group) R5F52201, R5F52203, R5F52205, and R5F52206 (RX220 group)
2287	Micrium Probe	Corrects a threading issue and handles probe requests more elegantly. If you use the current version of the proxy you may find the endianess of some values becomes backwards, resulting in incorrect data.
2219	Application	New build configuration based on an existing configuration fails when attempting to build or change linker sections. An exception is raised: {{{ java.io.FileNotFoundException: <projectlocation>\.BE_Newlinker }}} Copying the same file for another configuration and renaming it works around the issue.</projectlocation>
2221	Application	Following a project import the -mcpu=rx600 flag is incorrectly passed to the GCC tools.
2258	Application	C++ code in e2studio builds fine but the internal code parser does not recognize the code as valid. This has been rectified and C++ code can now be parsed correctly by e2studio.
2260	RX Build Plugin	Endian is not set correctly for GNU RX in release configuration. This has been corrected in the assembler build options.
2262	CCRX Build Plugin	When using the Renesas RX Compiler the compiler phase is not invoked correctly when using the Compiler -> Object -> Assembly code(*.src) options.
2292	IAR Plugins	IAR update site URL location corrected.
2262	Application	Link to the RenesasRulz community corrected.

Fixed issues in 1.1.1.5

ID	Component	Description
		Obsolete hardware debug plugins are not disabled which causes an exception when upgrading for 1.1.0.30 to 1.1.1.4. To remedy the problem in 1.1.1.4 do the following:
		1. Close e2studio.
		Browse to the folder C:\Renesas\e2studio\eclipse\plugins. Delete the plugin named com.renesas.hardwaredebug.e1v850_1.0.1.201207131525.jar.
		4. Re-start e2studio and view your debug configurations.
1961	Application	This was an issue re-introduced in 1.1.1.4.

Fixed issues in 1.1.1.4

ID	Component	Description
471	GDB	All 16 bit registers on the RL78 display 20 bits, the only such register in CubeSuite? is 'PC'.
		Building a project after renaming fails to build.
		"Artifact Name" is not being changed.
		Build Artifact needs to be manually modified after this operation.
		Using \${ProjName} avoids this issue as the build artifact is automatically updated.
901	Application	However with GCC tools the linker archive options also need to be manually modified.
		When attempted to rename the project in e2studio, the new binary gets created with the previous project name
903	Project Generation	and not with the modified project name.
1559	GDB server EXEC	Setting a software breakpoint in an invalid memory region can crash the GDB server.
1866	Application	Dependency scan fails for if linked resource file is renamed.
		This problem occurs for all toolchains following import.
		Following an import and build the project is built successfully however the .d files are deleted so when building
		again the entire project is re-built.
1922	Application	This only occurs once - after this second build operation is normal.
		Provided GNURX and RXC samples are not using the latest iodefine.h files which are shipped with the
1933	Application	product.
1939	RX build plugin	Conditional header file scanning dependencies can fail for existing projects.

	I	,
		For the Renesas CCRX compiler, dependency scanning fails to scan the options specified under compiler >
1946	RX build plugin	user defined options for defines, includes and un-defines.
1948	Application	When moving the position of real-time chart when it is updating it causes e2studio to hang.
1057	RX build plugin	Dependency compling fails for files at relative path with appears does not work correctly
1937	KX bulla plugiri	Dependency scanning fails for files at relative path with spaces does not work correctly. Retrieval and display of profile data is taking a very long time (5 minutes) when using RL78 IECUBE. Waiting
1066	Profile plugin	this time will show the results correctly.
1900	Frome plugin	uns une will show the results correctly.
1070	SH build plugin	For Renesas SH C following the hew import procedure the include paths are not sent to the compiler correctly.
1979	Si i buliu piugiri	RL78 registers AX, BC, DE & HL are displayed as 20 bit, with the top nibble as "F" which is incorrect. These
		registers are only 16 bit registers.
		registers are strip to bit registers.
		for example 16 bit AX is concatenation of A & X registers with A as most significant byte.
		or statisfies to statisfies of the statisfies of
		This is the same for the 16 bit banked registers (Bank* rp*, eg bank0 rp0).
		Also, if the 8 bit registers are manually changed in the debugger view, the 16 bit values do not update and the
		the way around. Selecting the register for in-place edit shows the correct value.
2026	GDB server EXEC	, , , , , , , , , , , , , , , , , , ,
		If gdb hangs and another connection attempt is made, it can leave processes running in Windows XP that
2037	GDB server	can only be closed using task manager. This can block subsequent connection attempts.
		It is observed that Resume,Restart,Reload,Reset buttons are active before Debug session starts fully.
2071	Debug Console plugin	When `Resume(F8)` is pressed before the ongoing task of `Debug(F11)` the session goes to unstable state.
2076	IO view plugin	On RX63N the IO registers do not update ADCSR value. The IO file is not correctly generated for RX63N.
		Debug launcher changed to launch debugger connection as a foreground task.
2139	Debug Configuration	This feature is on the debug configurations, common tab.

Fixed issues in 1.1.0.31

ID	Component	Description
2020	GDB Server EXEC	RL78 IO registers were showing incorrect data. This is due to them being displayed in the incorrect endian.
		Micrium probe plugin was not being loaded correctly. So did not appear correctly in e2studio preferences
2028	Application	view.
		When debugging using RX63N using the Ethernet is blocked because the trace is setup to use TRCLK.
2057	GDB Server FFW	Ethernet needs P83 but this cannot be accessed.
		The -rom option in the RXC toolchain link phase could not be removed. When it was removed it was
2033	RX build plugin	automatically added back in.

Fixed issues in 1.1.0.30

ID	Component	Description
		Obsolete hardware debug plugins are not disabled which causes an exception when upgrading for 1.0.0.38 to
		1.1.0.29. To remedy the problem in 1.1.0.29 do the following:
		1. Close e2studio.
		2. Browse to the folder C:\Renesas\e2studio\eclipse\plugins.
		3. Delete the plugin named com.renesas.hardwaredebug.e1v850_1.0.1.201207131525.jar.
1961	Application	Re-start e2studio and view your debug configurations.

Fixed issues in 1.1.0.29

Ū	Component	Description
1861	Application	Cannot connect to a RL78 G13 101GC with IECube. This affects more devices than just the 101GC.
		When using coverage, lines not being marked covered when suspending via the suspend button on the
1971	Application	Renesas Debug tool bar.
		Custom added build configuration results in project build failure.
792	RX build plugin	The error occurs as the linker section feature is not available for the newly added build configuration.
		When adding a new .src file to the project and build is initiated the source file is not built.

Error when building project. After creating a new GNU project with default so build (error from GNU RX project):	them by following these steps:
make all "Invoking: Library Generator' rx-elf-libgen -o "libTestRx2.a" "rx-elf-libgen is not recognized as an internal or external command, operable program or batch file. 1856 Project Generation make: *** [libTestRx2.a] Error 1 568 Real-time Memory No context sensitive help exists in the real-time views. 468 Real-time Watch Realtime Chart View only working for first hardware debug session If you delete support files like the gdb or IO files for devices you can recover Go to the internal directory under the e2studio folder. Edit the version_info.txt file and change the version number to be one less the file. Save the file and restart e2studio. e2studio will now begin copying the support files in the DebugComp, internal It is possible that after debug runs the real-time chart may stop working. Even updating the chart does not. 569 Real-time Memory e2studio will require a restart to fix this problem.	han the number currently in the
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569 Real-time Memory e2studio will require a restart to fix this problem.	and the real-time watch view is
GNU RX Build component, building of Assembler file fails if workspace is loc	
GNO NA Build component, building of Assembler life fails if workspace is foc	eated in the nath with enaces
	ated in the path with spaces.
870 Application	
On adding an expression to the expressions view for the first time you may g	
1124 Real-time Watch pressing "Add new expression" again you will be able to add an expression. Sometimes on suspend the expressions being monitored will disappear temp	
1176 Real-time Watch debugger is resumed	
Expressions view will display an error message for global variables/expressi	ons saying target not available
while running.	
This is confusing as it simply means that this variable is not being monitored	in real-time. This message has
1823 Real-time Watch been improved.	
When using the RL78 family (with limited real-time monitoring) there is no no	otification to the user that all
1150 Real-time Watch available memory has been used in the Expressions View 1458 Project Generation Imported projects contained toolchain directories of the original owner.	
When using re-start with RL78 the temporary breakpoint set as main is not co	leared correctly.
This is only noticed when there is a loop right at the beginning of main. The for main is the start of the loop.	address the breakpoint is set at
Tot main to the start of the loop.	
The program appears to execute but stops after 5 or 6 iterations of the loop.	
	stant actions as add a line of acids
To workaround this issue remove the breakpoint at main from the debugger: 1789 Application before the while loop - such as a nop.	start settings or add a line of code
"In the debug configurations, when clicking the 'Debugger' tab (e.g. from the 530 Debug Configuration takes 4-5 seconds until the tab comes up during which the window is in an 'in	
530 Debug Configuration takes 4-5 seconds until the tab comes up during which the window is in an 'ii If you can not change the number format of all the registers, please do the formation of the company of the compa	
1) Select all registers except the "General Registers" label.	3
Using context menu select "Register Format" and select "Default"	
3) Un-select the registers. 1925 Application 4) From Number Format menu you will now be able to change the format of a	all registers
7) From Number Format menta you will now be able to change the format of a	an registers.
370 Application Following a product update the product version on the about box installation	
If you remove all the sections under Project->Properties->C/C++ Build->Sett	
1107 Application settings, close the properties dialog then re-open the sections section, cause If skip all breakpoints is clicked with the target running & multiple breakpoint	
following error and the debug session is terminated.	
961,041 ~"Interrupted while waiting for the program.\n" 961,041 ~"Give up (and stop debugging it)? (y or n) [answered Y; input not fi	rom terminal³\n"
961,041 ~ Give up (and stop debugging it)? (y or it) (answered it, input not it	om terminagui
961,042 29^error,msg="unknown error"	
961,042 (gdb)	
91 Application When running in non-stop mode this no longer happens for any of the device	es (RX RI 78 SH)
If a variable value is changed within the Variable or Expressions window it d	
View (Although it does if you perform a cton)	·
view. (Although it does if you perform a step).	
1511 Application View. (Although it does if you perform a step).	or build source by default.
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1511 Application When creating a new project the src folder is the only one considered valid f Currently the project folder is not a valid location for source files. Files adde	d here are not automatically
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1478	Trace plugin	Saved SH Trace cannot be loaded back into the view.
		Deleting directory can cause e2studio to lock up. Within e2studio, delete the "src" directory.
		From file system, copy another directory with source code to your project and rename to "src" (case
		sensitive).
		Refresh within e2studio.
		All new source files are "excluded", and cannot be "included" ("exclude from build management mechanism
1874	Application	does not work).
		Some options are not updated for all the configurations after updating the options on selecting All
600	Application	Configurations
	Application RX build plugin	Latest development environment. User can not remove the last section in Sections viewer list-box. RX C build plugin.
	Real-time Chart	All real-time views will accept an interval of no less than 100 milliseconds.
	rear time emare	Sometimes when attempting to delete a project, with remove from disk checked, the operations fails due to an
		open file.
		The error message displayed is:
		Death and a second and the deleting and a second
		Problems encountered while deleting resources. Could not delete '/TestRx1'.
		Problems encountered while deleting files.
1855	Application	Could not delete: C:\e2studio_images\1_1\22\jubula_test_workspace\TestRx1\.info.
		, , , , , , , , , , , , , , , , , , ,
737	Application	When restart is used the target does not stop at the breakpoint set in the Start-up tab in debug configurations
		Realtime Views sometimes stop updating after 5 minutes. When this happens all the views stop updating
		simultaneously. Manually refreshing does not fix the issue.
	L	
	Real-time Watch	Terminating and re-connecting to the target should solve the problem.
	Debug Configuration Real-time Watch	The Launch Configuration created during Project Generation should be created in the Project. Adding an Icon to identify which expressions are monitored in real time would help the user.
1202	I VOAITUINE WALCII	Change default GDB & lo File paths to be relative to eclipse home.
		Sharings assault SDD at 10 file patrio to be relative to collipse frome.
		GDB location should be specified by \${eclipse_home} placeholder.
		Now the debugger configurations are shared and therefore exported with the project the GDB location needs
1262	Debug Configuration	to be eclipse directory location independent.
		Profile View is not displaying results profile results for IECube since labels are not being set for the trace
	Profile plugin	records.
322	GDB	Initial debug view is at incorrect address. Caused by an erroneous PC register value. While the target is running the "restart" button is active. If the "restart" button is pressed while running and a
		software breakpoint is hit the debugger provides no indication that the target has stopped. If the "pause"
298	Application	button is pressed at this point, the PC is shown at the breakpoint location.
	71	When building with the Renesas CCRX toolchain with many files the link can fail.
		, ,
		This is because the constructed command line is too long.
1203	RX build plugin	To avoid this - use the external sub-command file option.
4044	Deal Gree Mercen	Real-time memory update does not work for RDK RX63N. The function works correctly in the expressions
1811	Real-time Memory	view but not the memory view. When debugging with RL78, a reload operation can cause GDB to GPF.
		When debugging with NE76, a reload operation can cause GDB to GFT.
		This is easily reproduced when using real-time updating in the expressions and chart views.
		3 3 3
1006	GDB server	It can also happen with other devices such as RX but is less easy to reproduce.
		Creating an OA eventpoint with RL78, setting the data compare to more than 1 bytes of data causes the
		eventpoint not to set.
700	GDB server EXEC	e.g A compare with fc works but 3fc fails
783	RX build plugin	-notpu option for RX200 is not passed when switched from RX600 to RX200. There are problems debugging RX big endian debuggers.
		There are problems debugging KA big endian debuggers.
1767	Application	Error message is shown at connection stating it cannot find a file with the extension .mon.
1101	, application	Hex endian is the default memory rendering and is not endian aware. We will default instead to Hex Integer
1875	Application	which is a new memory renderer provided in e2studio.
		Renesas compiler inbuilt macros /defines' are not currently used in the dependency scanning process when
	RX build plugin	using the Renesas compiler.
1570	Debug Configuration	The default value for the RL78's verify on writing to memory should be 'yes' but is actually 'no'
		In the debug configuration for RX E1 the debug configuration dialog is not remembering the voltage choice of
698	Debug Configuration	5V.
		Default C++ project for RX630E with E1 emulator does not build.
1//0	Application	Also affects RX210 projects. A workaround is to delete the .option_bytes & .endian_bytes sections.
1443	Application	Linker section editor user interface needs improvement for CCRX.
		Unable to add section without selecting existing section & UI does not indicate this.
		As a result unable to add section before start of current sections without convoluted process rearranging
		sections after creating new section
939	RX build plugin	This also seems to be an issue with the GNU section editor.
_		Eventpoints are project based in e2studio rather than workspace based.
000	Application	A side offset of this limitation is that according to an article and in the state of the state o
882	Application	A side-effect of this limitation is that eventpoints can only be set in project source code.
		Summary of issues with RXC Section editor:
		Cannot set section to address of 0, this sets to follow on from previous.
		Clearing address should set to follow on from previous
		Unable to add section without selecting existing section & UI does not indicate this.
		As a result unable to add section before start of current sections without convoluted process rearranging
		sections after creating new section.
		This also seems to be an issue with the GNU section editor.
		DATE or a series of the series of the series DVO and set of the series to the series of the series o
	RX build plugin	When opening or importing any RXC project created prior to version 1.0.0.38 the sections will need to be corrected before building.

		e2studio/GDB not preventing loading to invalid memory.
1468	Application	Loading code to address 0xFFE00000 on RX62N generates no errors or warnings. In HEW, this was caught on download. Mechanism should allow loading code to Internal RAM/Flash or external memory(if expanded mode).
1081	GDB server	Trace is taking up to one minute to return in IECube and sometimes timing out This is only noticeable on the IECube target where the trace buffer is full with 65536 records
		Reset->Reload->Run functionality can cause target stability problems. This is due to the asynchronous nature of these features - operating them in close succession can cause a GDB error.
1236	GDB server	
1469	Application	Using debug configuration start-up "set breakpoint at:" only works once after starting a debug session. Subsequent reset/go sequences no longer stop.
559	Application	Reload image should have a checkbox remembering your choice.
		Real time expression not working without re-connect.
688	Real-time Watch	The first time the project is opened and debugged it not possible to view anything in the real time expressions window. The debugger must be disconnected and reconnected to start the updates. New additions etc then work OK.
545	Project Generation	Build steps dialog does not allow multiple pre-build steps.
708	Trace plugin	Trace address filter end range value gets converted to decimal from hex display.
179	RX build plugin	Changing toolchain version (via C/C++ Build -> Change Toolchain Version) does not change the include paths set in the compiler options.
847	RX build plugin	Linker section options are enabled when user opts to use external linker script.
726	Application	RX630 could not be connected using JTAG switch.

Fixed issues in 1.0.1.18

ID	Component	Description
1424	GDB Server	Connection for RX630E with JTAG connection was failing.
1307	GDB Server	Connection for RX630E with Segger emulator was failing.
		Linker archive paths were accepting Eclipse placeholders and then changing back to absolute paths.
		Fix now allows placeholders correctly and an additional placeholder \${TCINSTALL} has been added. Projects will default to this when created.
		Note: Changes also made to the compiler include paths but these do not default to the new placeholder when
1281	Build plugin	a new project is created. This will be rectified in a later release.
1361	IO view plugin	Latest IO files for RX added.
		RL78 device support updated.
		1) RL78/G13:
		Device file DR5F101AG.DVF updated:
		- correction of internal Flash memory size: 128KB (previous 96KB)
		- correction of internal Flash memory size: 12KB (previous 8KB)
		2) RL78/G14
		Device file DR5F104BD.DVF updated:
		- correction of internal Flash memory size: 48KB (previous 32KB)
		- correction of internal Flash memory size: 5.5KB (previous 4KB)
		3) RL78/L12
		All device files updated to V1.01:
		The interrupt request name of the vector table address (0044H)
1365	Application	has been changed to INTLCD (previous name: INTLCD0)
1371	Project Generator	RX62N IO define file updated for the Renesas RX compiler.

Fixed issues in 1.0.1.14

ID	Component	Description
166	RL78 build plugin	Build file for RX C rebuilds file every time rather than only building when changes are needed.
279	Application	GDB server and port number although configurable are currently hard coded.
		Structure dereferencing not available in the real time expression window.
576	Real-time Watch	
		Importing projects does not allow an easy way to move the toolchain path if the toolchain is either in a different
791	Application	location or does not exist.
876	Application	Unable to set OA Address range for RX targets. Workaround: set another eventpoint first to channel 0.
902	Application	After adding a new build configuration the new configuration cannot be built successfully.
490	Application	e2studio current GDB versions do not support the python scripting switches.
		Only two RL78/D1A devices are currently supported. R5F10DPG, R5F10DPJ. More devices are required to
1054	Application	be added.
1249	Application	Realtime does not work with old RL78 launch configurations
1245	GDB Server EXEC	RL78 real-time only allows monitoring of 8 bytes.

ID	Component	Description
2419	GDB Server	When viewing some 16-bit io register on a RL78 in the IO view the value is always displayed as 0x0000. This behaviour is confirmed for SMR0n (e.g. SMR02) & MULA. For SMR0n registers the value after reset should be 0x0020, so this is not an io_define.h or compiler issue with writing to the register.
16	Application	When debugging Segger J-Link application using RX, at the first (invalid) breakpoint, it shows garbage values for global variables.
		There are some IO Registers where the same memory address holds 2 registers with difference access sizes. These registers are general a read-only register and another register used for writing which is write-only.
17	IO view plugin	These registers are currently all listed as R/W in the IO Map file and so the view will attempt to display values for the wrote-only registers. When it does this the bytes are displayed reversed.

40	Application	The message "Error: Unable to create variable object" is sometimes shown during debugging when stepping out of functions.
70	Application	Register values have incorrect initial values when using the RX Simulator or RX hardware debugging. Initially, R0 values are same as ISP in E2S whereas R0 values are same as USP in the HEW environment. R0 is alias
		to USP. Later on the R0 values are same as ISP / USP depending on the stack usage.
41	Application	Incorrect Accumulator value is displayed (i.e, Accumulator is 0, when checked on command line as well, gdb does not update accumulator values). This is a RX Simulator issue.
72	IO view plugin	All IO registers for RX devices are listed as Read/Write? in the IO xml files used by the IO view, even though some are read or write only.
		e2studio needs permissions to write to the installation directory. This is a standard Eclipse problem however you may experience issues registering your toolchains or performing updates if you do not have administration
110	Application	access when using directories with restricted access. e2-server-gdb executable currently causes a security alert in Windows when executed for the first time. The
220	GDB server	publisher is currently undefined also. Accepting the dialog allows normal operation to proceed.
		When debugging in e2studio only the file name is used to match breakpoints when debugging. So a breakpoints set in a different project to the one being debugged can cause breakpoints to be set on the debugger, if the file name matches.
		There is no indication in the breakpoints view which project a breakpoint is in, but the marker will only appear
	Application Trace plugin	in the correct file. Trace buffer full functionality needs addition. New checkbox needs adding to the GUI.
		In case of MinGW toolchain projects - Whenever you add any include path in the compiler / assembler include path option, it is displayed in the Project Explorer -> <pri_name> -> Includes.</pri_name>
		In case of KPIT / Renesas toolchain projects - Whenever you add any include path in compiler / assembler include path option, it is not displayed in the Project Explorer -> <pri>prame> -> Includes.</pri>
364	Application	It only displays the default include paths added during project generation. The include paths are shown in the build option preferences as you would expect.
373	GDB server	e2studio does not support debugging using multiple E1 emulators connected to the system. There is no way to select which emulator you would like to connect to.
		When using a brand new RX62N RDK with the Segger J-link if the board is brand new you cannot connect to the device the first time. The second time if you use the debug button on the debug configuration page and
392	GDB server FFW	press debug instead it works correctly. FMtool for Romless devices not implemented.
		In the debugger settings in HEW you choose a mot file and address which then gets downloaded during the connection process. This is not implemented in e2studio.
398	GDB server	This will be supported for SH only in 1.1. When using the project generators some settings are not remembered correctly when moving forward in the
		wizard and then stepping back.
		The 'CPU Type' information is not saved, while some of the additional options are remembered and some not.
419	Project Generation	
		Trace view - save and load trace data. When trace data is saved the save dialog defaults to .xml extension rather than .rtt. This means that the saved data is not loaded back into the view.
		Also the load dialog defaults to .xml, but does not load the trace data back into the trace view regardless of the
452	Trace plugin	file type. Illegal trace files are not flagged as non standard trace files as per requirements. Once a debug session has been terminated when using an IECUBE another connection is not possible until
	GDB server EXEC Event points plugin	the IECUBE had been unplugged from the machine. Clicking on column headers in Eventpoints view does not order entries.
	Event points plugin	Unable to add eventpoints using the insert key.
		Clicking on OK of the Trace Configuration dialog does not download changes to the device.
		Expected Result Clicking on the OK button should commit all of the changes made in the dialog back into the main events points list, the updates will then be downloaded to the device if connected.
491	Event points plugin	In reality, the eventpoints are added to the main eventpoint list in the Eventpoints view but do not appear to get downloaded to the device.
401	Event points plugin	Browse () remaining disabled on Eventpoints view.
		Open the Eventpoints view. Double click on the Event Break eventpoint category. Select OR in the Trigger combo box. Click Add on the Edit Trace dialog. Click on the button alongside the Address text control.
482	Event points plugin	A dialog should appear with a list of address labels but the button remains disabled
	GDB server	When Move to Line is used with RX targets the program is resumed from the selected line, the expected behaviour is that the program would remain suspended.
525	ODD SCIACI	When the refresh interval is <120 msecs the Realtime views are not updating.
		First observed in Realtime Expressions, but will probably affect Chart and Memory too.
540	GDB server	Inreasing the refresh interval to 200 msecs is a workaround. When entering address, compare and mask values for an eventpoint, hex digits are assumed. The dialog
549	Application	should assume field values are decimal unless prefixed by a modifier such as "0x" for hex. This is for consistency with data entry and presentation throughout Eclipse/CDT.
	Real-time Chart	It is not possible to edit series name in the real-time chart view.

		When instruction stepping into code, PC is sometimes not correctly placed.
		When this happens the home button does not restore the PC location correctly. Clicking the current stack
628	Application	frame in the Renesas debug view does remedy the issue.
 		Custom debug configuration.
		Warning message to be generated if custom.bat is empty
ļ		Test case: to check if the default settings of predefined Custom Debug launch configuration are correct. Steps:
ļ		Create a project for custom debug configuration. Select Custom Debug' on 'Select default debug settings' page while creating the project.
ļ		2. Don't update custom.bat with any path.
ļ		3. Build the project 4. click debug icon.
ļ		If user has not specified any path in custom.bat and clicks the debug button, user should get warning message
652	Application	that file is empty. When changing the project in the debug configurations tab - a dialogue appears asking if changes want to be
663	Debug Configuration	saved regardless of whether changes have actually occurred.
671	Application	There is no library project type available in e2studio. RL78 Importing projects from 64bit to 32bit machines does not work seamlessly.
ļ		TRE76 importing projects from 64bit to 32bit machines does not work seamlessiy.
700	Application	The path changes are not remembered in Linker > Archives in the Archive search directories. When doing
700	Application	builds this is not always remembered. Un-installing HEW, un-installed RXC toolchains 1.1.0 and 1.2.0
714	Application	However the entry in TC_supported remains as expected, but due to this E2S allows to create projects for RXC toolchains and fails during project build.
(11	Application	Using Find on "Address" allows the entry of a case insensitive hex number. However on "Destination Address"
722	Trace plugin	a case sensitive string is required. This needs to be made clearer on the UI. The "Add" button is greyed out when trying to add a "Before PC" in the Eventpoint window. Can only be
723	Event points plugin	added from the source code windows.
l		GDB server takes a long time to terminate when previous debug session used real-time update.
762	GDB server FFW	Tested using RX63N and E1.
785	Trace plugin	Bus mode records sometimes fail to update if rapid cycling through the available trace modes.
789	Trace plugin	The trace plugin data field if find & filter is set does not remember its value. When reopened the data option has both fields populated with a numerical number not entered by the user.
	. 0	RL78 program execution not stopping for OA eventpoints set between ranges.
 		Create an Event break OA eventpoint
ļ		2. Enter an address in the address field
ļ		Select Range in the address conditions Enter an end address
ļ		Eventpoint dosen't trigger when an address between the range specified is reached and program execution
	GDB server GDB server	dosen't stop RL78 program execution stopping on word access when byte access is specified.
	GDB server	RL78 program execution stopping on 'Equal' when 'Not Equal' is specified in the Comapre Settings.
	Event points plugin GDB server	Long should be removed from the size combo for Data Settings for RL78. Trigger Count not supported for RL78 but is still available in the Eventpoint View.
011	ODD 361V61	Data Access mask not working for address values for RL78. Program execution stops each time the address
816	GDB server	is accessed no matter what value it contains. Address mask not working for RL78. Program execution does not stop, expecting to see program execution
	GDB server	stopping everytime we access an address ending in e8.
820		stopping everytime we access an address chang in ec.
820		org.eclipse.cdt.ui is delayed due to common utilities instantiated.
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820		org.eclipse.cdt.ui is delayed due to common utilities instantiated. Toolchain validation holds up the loading of org.eclipse.cdt.UI which the IAR plugin depends upon. If this is delayed the IAR plugin will not start up causing the editor to fail with exceptions.
	Project Generation	org.eclipse.cdt.ui is delayed due to common utilities instantiated. Toolchain validation holds up the loading of org.eclipse.cdt.UI which the IAR plugin depends upon. If this is
822	Project Generation	org.eclipse.cdt.ui is delayed due to common utilities instantiated. Toolchain validation holds up the loading of org.eclipse.cdt.UI which the IAR plugin depends upon. If this is delayed the IAR plugin will not start up causing the editor to fail with exceptions.
822 827	Project Generation Advanced Debug Manager (AD)	org.eclipse.cdt.ui is delayed due to common utilities instantiated. Toolchain validation holds up the loading of org.eclipse.cdt.UI which the IAR plugin depends upon. If this is delayed the IAR plugin will not start up causing the editor to fail with exceptions. Registering toolchains and then restarting should remedy the problem. Setting "Force Hardware Breakpoints" in the debug configuration will cause eventpoints to stop functioning. Record sometimes saves blank file. When using the record feature in the real-time expressions view the
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822 827 831	Project Generation Advanced Debug Manager (AD)	org.eclipse.cdt.ui is delayed due to common utilities instantiated. Toolchain validation holds up the loading of org.eclipse.cdt.UI which the IAR plugin depends upon. If this is delayed the IAR plugin will not start up causing the editor to fail with exceptions. Registering toolchains and then restarting should remedy the problem. Setting "Force Hardware Breakpoints" in the debug configuration will cause eventpoints to stop functioning. Record sometimes saves blank file. When using the record feature in the real-time expressions view the saved file is sometimes empty. HEW debug fails for RX200, RX63N. HEW debugging templates do not exist for RX200 and RX63N.
822 827 831 846	Project Generation Advanced Debug Manager (ADI Real-time Watch Application	org.eclipse.cdt.ui is delayed due to common utilities instantiated. Toolchain validation holds up the loading of org.eclipse.cdt.UI which the IAR plugin depends upon. If this is delayed the IAR plugin will not start up causing the editor to fail with exceptions. Registering toolchains and then restarting should remedy the problem. Setting "Force Hardware Breakpoints" in the debug configuration will cause eventpoints to stop functioning. Record sometimes saves blank file. When using the record feature in the real-time expressions view the saved file is sometimes empty. HEW debug fails for RX200, RX63N. HEW debugging templates do not exist for RX200 and RX63N. No Renesas GDB hardware launch shortcut for IAR & Green Hills plugins. Launch shortcut needs manual
822 827 831 846	Project Generation Advanced Debug Manager (ADI Real-time Watch	org.eclipse.cdt.ui is delayed due to common utilities instantiated. Toolchain validation holds up the loading of org.eclipse.cdt.UI which the IAR plugin depends upon. If this is delayed the IAR plugin will not start up causing the editor to fail with exceptions. Registering toolchains and then restarting should remedy the problem. Setting "Force Hardware Breakpoints" in the debug configuration will cause eventpoints to stop functioning. Record sometimes saves blank file. When using the record feature in the real-time expressions view the saved file is sometimes empty. HEW debug fails for RX200, RX63N. HEW debugging templates do not exist for RX200 and RX63N. No Renesas GDB hardware launch shortcut for IAR & Green Hills plugins. Launch shortcut needs manual creation. Execution Address Eventpoints with trigger count do not work with Breakpoints on Segger RX.
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822 827 831 846 873	Project Generation Advanced Debug Manager (ADI Real-time Watch Application Debug Configuration	org.eclipse.cdt.ui is delayed due to common utilities instantiated. Toolchain validation holds up the loading of org.eclipse.cdt.UI which the IAR plugin depends upon. If this is delayed the IAR plugin will not start up causing the editor to fail with exceptions. Registering toolchains and then restarting should remedy the problem. Setting "Force Hardware Breakpoints" in the debug configuration will cause eventpoints to stop functioning. Record sometimes saves blank file. When using the record feature in the real-time expressions view the saved file is sometimes empty. HEW debug fails for RX200, RX63N. HEW debugging templates do not exist for RX200 and RX63N. No Renesas GDB hardware launch shortcut for IAR & Green Hills plugins. Launch shortcut needs manual creation. Execution Address Eventpoints with trigger count do not work with Breakpoints on Segger RX. Setting an execution address eventpoint with a trigger count on Segger JLink RX62N is not possible if any breakpoints exist, including the default at main. If an execution address eventpoint with a trigger count is set with a breakpoint both the eventpoint & the breakpoint do not function. Multiple breakpoints are set then only 1 does not work. Additional eventpoints
822 827 831 846 873	Project Generation Advanced Debug Manager (AD) Real-time Watch Application Debug Configuration Event points plugin	org.eclipse.cdt.ui is delayed due to common utilities instantiated. Toolchain validation holds up the loading of org.eclipse.cdt.UI which the IAR plugin depends upon. If this is delayed the IAR plugin will not start up causing the editor to fail with exceptions. Registering toolchains and then restarting should remedy the problem. Setting "Force Hardware Breakpoints" in the debug configuration will cause eventpoints to stop functioning. Record sometimes saves blank file. When using the record feature in the real-time expressions view the saved file is sometimes empty. HEW debug fails for RX200, RX63N. HEW debugging templates do not exist for RX200 and RX63N. No Renesas GDB hardware launch shortcut for IAR & Green Hills plugins. Launch shortcut needs manual creation. Execution Address Eventpoints with trigger count do not work with Breakpoints on Segger RX. Setting an execution address eventpoint with a trigger count on Segger JLink RX62N is not possible if any breakpoints exist, including the default at main. If an execution address eventpoint with a trigger count is set with a breakpoint both the eventpoint & the breakpoint do not function. Multiple breakpoints are set then only 1 does not work. Additional eventpoints function as normal.
822 827 831 846 873	Project Generation Advanced Debug Manager (ADI Real-time Watch Application Debug Configuration	org.eclipse.cdt.ui is delayed due to common utilities instantiated. Toolchain validation holds up the loading of org.eclipse.cdt.UI which the IAR plugin depends upon. If this is delayed the IAR plugin will not start up causing the editor to fail with exceptions. Registering toolchains and then restarting should remedy the problem. Setting "Force Hardware Breakpoints" in the debug configuration will cause eventpoints to stop functioning. Record sometimes saves blank file. When using the record feature in the real-time expressions view the saved file is sometimes empty. HEW debug fails for RX200, RX63N. HEW debugging templates do not exist for RX200 and RX63N. No Renesas GDB hardware launch shortcut for IAR & Green Hills plugins. Launch shortcut needs manual creation. Execution Address Eventpoints with trigger count do not work with Breakpoints on Segger RX. Setting an execution address eventpoint with a trigger count on Segger JLink RX62N is not possible if any breakpoints exist, including the default at main. If an execution address eventpoint with a trigger count is set with a breakpoint both the eventpoint & the breakpoint do not function. Multiple breakpoints are set then only 1 does not work. Additional eventpoints function as normal. IOView is populated for the incorrect target for debug-only projects. If you open the debug configuration dialog the IOView is populated with the correct target information.
822 827 831 846 873 874 877	Project Generation Advanced Debug Manager (AD) Real-time Watch Application Debug Configuration Event points plugin Debug Configuration Trace plugin	org.eclipse.cdt.ui is delayed due to common utilities instantiated. Toolchain validation holds up the loading of org.eclipse.cdt.UI which the IAR plugin depends upon. If this is delayed the IAR plugin will not start up causing the editor to fail with exceptions. Registering toolchains and then restarting should remedy the problem. Setting "Force Hardware Breakpoints" in the debug configuration will cause eventpoints to stop functioning. Record sometimes saves blank file. When using the record feature in the real-time expressions view the saved file is sometimes empty. HEW debug fails for RX200, RX63N. HEW debugging templates do not exist for RX200 and RX63N. No Renesas GDB hardware launch shortcut for IAR & Green Hills plugins. Launch shortcut needs manual creation. Execution Address Eventpoints with trigger count do not work with Breakpoints on Segger RX. Setting an execution address eventpoint with a trigger count on Segger JLink RX62N is not possible if any breakpoints exist, including the default at main. If an execution address eventpoint with a trigger count is set with a breakpoint both the eventpoint & the breakpoint do not function. Multiple breakpoints are set then only 1 does not work. Additional eventpoints function as normal. IOView is populated for the incorrect target for debug-only projects. If you open the debug configuration dialog the IOView is populated with the correct target information. Find and filter are greyed out after closing trace view. The only way to activate find and filter options is to resume debugging and suspend.
822 827 831 846 873 874 877 879 887	Project Generation Advanced Debug Manager (AD) Real-time Watch Application Debug Configuration Event points plugin Debug Configuration Trace plugin Trace plugin	org.eclipse.cdt.ui is delayed due to common utilities instantiated. Toolchain validation holds up the loading of org.eclipse.cdt.UI which the IAR plugin depends upon. If this is delayed the IAR plugin will not start up causing the editor to fail with exceptions. Registering toolchains and then restarting should remedy the problem. Setting "Force Hardware Breakpoints" in the debug configuration will cause eventpoints to stop functioning. Record sometimes saves blank file. When using the record feature in the real-time expressions view the saved file is sometimes empty. HEW debug fails for RX200, RX63N. HEW debugging templates do not exist for RX200 and RX63N. No Renesas GDB hardware launch shortcut for IAR & Green Hills plugins. Launch shortcut needs manual creation. Execution Address Eventpoints with trigger count do not work with Breakpoints on Segger RX. Setting an execution address eventpoint with a trigger count on Segger JLink RX62N is not possible if any breakpoints exist, including the default at main. If an execution address eventpoint with a trigger count is set with a breakpoint both the eventpoint & the breakpoint do not function. Multiple breakpoints are set then only 1 does not work. Additional eventpoints function as normal. IOView is populated for the incorrect target for debug-only projects. If you open the debug configuration dialog the IOView is populated with the correct target information. Find and filter are greyed out after closing trace view. The only way to activate find and filter options is to resume debugging and suspend. Trace address filter end range value gets set to the start range after reopening dialog.
822 827 831 846 873 874 877 879 887 904	Project Generation Advanced Debug Manager (AD) Real-time Watch Application Debug Configuration Event points plugin Debug Configuration Trace plugin	org.eclipse.cdt.ui is delayed due to common utilities instantiated. Toolchain validation holds up the loading of org.eclipse.cdt.UI which the IAR plugin depends upon. If this is delayed the IAR plugin will not start up causing the editor to fail with exceptions. Registering toolchains and then restarting should remedy the problem. Setting "Force Hardware Breakpoints" in the debug configuration will cause eventpoints to stop functioning. Record sometimes saves blank file. When using the record feature in the real-time expressions view the saved file is sometimes empty. HEW debug fails for RX200, RX63N. HEW debugging templates do not exist for RX200 and RX63N. No Renesas GDB hardware launch shortcut for IAR & Green Hills plugins. Launch shortcut needs manual creation. Execution Address Eventpoints with trigger count do not work with Breakpoints on Segger RX. Setting an execution address eventpoint with a trigger count on Segger JLink RX62N is not possible if any breakpoints exist, including the default at main. If an execution address eventpoint with a trigger count is set with a breakpoint both the eventpoint & the breakpoint do not function. Multiple breakpoints are set then only 1 does not work. Additional eventpoints function as normal. IOView is populated for the incorrect target for debug-only projects. If you open the debug configuration dialog the IOView is populated with the correct target information. Find and filter are greyed out after closing trace view. The only way to activate find and filter options is to resume debugging and suspend.
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	Application	in the manage
コロンキ	Application Installer	is the message. Repair from Add/Remove/Programs does not work for e2studio.
1021	Installer	Build console arrows (Next and previous) does not work as expected.
1065	Application	On selecting 'Next' arrow, the listed errors are not scanned/visited through.
		The V850E JTag Break Option - 'stop emulation of peripherals when stopping' has not been implemented in
	Debug Configuration	the debugger options. "Add Watchpoint" from Variables window context menu crashes the debugger.
1131	GDB server	The following message is sometimes being returned from GDB with RL78 on a suspend event, the debug
		session cannot be resumed.
		The workaround is to stop an start the debug session.
		565,173 (gdb)
		565,360 218-var-update 1 var15
		565,376 218error,msg="Remote failure reply:
4450	000	E98300003403029FE9030000000009F00000000000000000000000
1152	GDB	00000000060000BE020000F6FD0000" Adding a Event Break eventpoint using a label and then resuming fails to apply the eventpoint. Workaroung
1231	GDB server	Use the Apply button after creating the eventpoint.
1255	GDB server	For RL78 the expressions View can only monitor 8 chars (each 1 byte), should be able to monitor 16 bytes
		RX200 CPU selection should not be supported for toolchains =< 1.00.01 for the CCRX Renesas toolchain.
		· ·
1263	Application	This toolchain does not support RX200
		"Data record header" option should be passed to converter instead of linker phase.
		Steps to reproduce:
		1. Create BYC project
		 Create RXC project. Select Linker -> Output -> Data record header -> S1.
		Workaround : The '-record=s1' or 'S2' etc option should can be set as user defined option in the converter
	A 11 41	phase.
1264	Application	IAR build plugin.
		Folder names containing . are sometimes cut off and not displayed correctly in 'Browse for folder Window
1289	IAR plugins	when browsing for the location of the Embedded Workbench.
		Following an import into 1.1 the RX_Converter.exe tool needs to be removed from the post build steps.
1315	Application	This tool is now included in the user interface.
		This tool is now included in the user interface. GNU Linker section: Deleting section using delete button (keyboard) does not work.
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1352 1354 1388	Application Real-time Watch Coverage plugin	This tool is now included in the user interface. GNU Linker section: Deleting section using delete button (keyboard) does not work. Pre-increment of a global variable can cause inconsistencies in the expressions view for this value. It is due to a problem with CDT: https://bugs.eclipse.org/bugs/show_bug.cgi?id=252099 The user is not prompted for Coverage data to be cleared from the current debug session. The trace acquisition dialog always displays a trace capacity of 1M Byte even if the targets trace capacity is not prompted.
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1352 1354 1388 1404 1417	Application Real-time Watch Coverage plugin Trace plugin Application	This tool is now included in the user interface. GNU Linker section: Deleting section using delete button (keyboard) does not work. Pre-increment of a global variable can cause inconsistencies in the expressions view for this value. It is due to a problem with CDT: https://bugs.eclipse.org/bugs/show_bug.cgi?id=252099 The user is not prompted for Coverage data to be cleared from the current debug session. The trace acquisition dialog always displays a trace capacity of 1M Byte even if the targets trace capacity is different. e2studio aborts on startup if too many hardware breakpoints have been specified. NOTES: 1: The boundary of the problem is on setting 4 hardware breakpoints. 2: That problem reported by the dialogue box talks about software breakpoints, when the option to use only hardware breakpoints has been selected. 3: The debug session must be setup to use only hardware breakpoints. 4: For SH2/SH2A targets in general, there does not seem to be any direct relationship between the maximum number of hardware breakpoints supported by the target and the number of preset breakpoints required to cause the problem. However that said, the issue is consistantly activated when the number of preset breakpoints is either the same as the maximum supported by the hardware or one or two less than this figuration that have been selected. When debugging some RX projects, after hitting some breakpoints the session hangs while retrieving stack data & the session must be terminated. The same module downloaded and debugged though HEW does not display this issue. Comparing the two appears GDB is attempting to load more stack levels than actually exist.
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		The relation between -sho and -form options of Linker was not correct.
1484	RX build plugin	An unnecessary warning is displayed.
	Application	The edited address value in Memory window does not highlighted in red but does update.
		Breakpoint properties do not work when set in the CDT dialogs. For example using the filter operation and
1486	Application	removing the breakpoint for the process being debugged.
1523	HEW Project Converter	HEW import page is displayed even when user tries to import normal project (other than HEW project).
		The edited value in Expressions window is not highlighted.
		The expressions are not updated in SR1 in the following circumstances:
		When editing in-place within the expressions window.
		Modifying the value of the expressions in the memory window.
		When the target suspends and the views refresh.
1531	Application	In each of these cases any expressions with modified values should be highlighted in yellow.
		The edited value in Registers window was not highlighted when modifying the value in the registers window
		The edited value should be yellow highlighted.
		Note: This appears to work for the first edited register okay following a target suspend. However any
1532	Application	subsequent modifications are not highlighted.
		Both Error and Warning messages are displayed with the same content on Problems window in Build time
1533	RX build plugin	when the system include files are scanned as dependencies for C++ projects.
		Device type 72691 is not available for SH project.
		Workaround:
		create a SH project using "Other" target device. From debug configuration select new for the project, select
<u>1</u> 546	Project Generation	target device from list.
		When local options are set for a file or folder the "Reset to Defaults" on the build options properties does not
1561	Application	clear the local option setting for the selection.
		When changing the address of an eventpoint set from the source editor a marker should be created at the
	1	location & the old one removed.
1593	Event points plugin	Currently marker at old location is removed but no new marker is created.
		Renaming a project using the right click menu in the project explorer causes its respective debug configura
1595	Application	to disappear.
<u>16</u> 16	RX build plugin	The options of a Build Configuration were not correct after specifying Multiple Configurations functionalit
		After creation a project cannot be deleted straight away. If the user waits around 30 seconds the project cannot be deleted straight away.
1640	Application	then be deleted.
		Erase flash on startup option on RL78 should be executed once.
		When e2studio connects successfully to RL78 target and erases the flash, this option should return to false
1642	Application	so that flashing is not done everytime target is connected.
		l l
		For the SH7216 target (and most likely other targets), when using the address conditions and associated
1645	Event points plugin	mask, the boolean parameter (parameter 17) 'address mask compare type' is not being set to true.
	Z vorn pomio pragii:	When using Data Access eventpoints (on SH target hardware) specifying "Not Equals" for an address mas
16/0	Application	has no effect. The default of "Equals" is always used.
1043	Application	SH data access events points must stipulate word width as byte, word (16bit) or long (32bit). Therefore the
1651	Application	option 'Not Specified' is not permitted.
1001	Application	GUI is using the wrong limit on the number of pass counts for the SH7216. The pass count being reported
1674	Application	the GDB server is 4096. But the GUI is not even allowing a pass count of 1.
1074	Application	GUI not permitting 32 bit data mask value (e.g. fffffff) to be set for the SH 7216 target, reporting invalid dat
1675	Event points plugin	mask.
	RX build plugin	There is no UI support for customizing the linkage order.
1717		IDahua sassion for new RX62T never makes it to main() - When only using hardware breaknoints
1717	Application	Debug session for new RX62T never makes it to main() - When only using hardware breakpoints.
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1717 1722 1726	Application	E1RL78 Connection can fail. Failure to connect can be caused if an area of flash used by the debugger gets corrupted. This can be worked around by setting the debugger configuration / connection settings tab option "Erase Flash ROM When starting" to Yes. Once connection is established OK, the option can be reset to No. Deleting a source directory causes the placeholder (being used in include path) to become corrupted. \${workspace_loc:/\${ProjName}/src} becomes: "\${workspace_loc:/PlaceCorrupt/PlaceCorrupt/src}"
1717 1722 1726	Application Application	E1RL78 Connection can fail. Failure to connect can be caused if an area of flash used by the debugger gets corrupted. This can be worked around by setting the debugger configuration / connection settings tab option "Erase Flash ROM When starting" to Yes. Once connection is established OK, the option can be reset to No. Deleting a source directory causes the placeholder (being used in include path) to become corrupted. \${workspace_loc:/\${ProjName}/src} becomes: "\${workspace_loc:/PlaceCorrupt/PlaceCorrupt/src}" If you intend to delete the source, the include paths also need update and therefore updating / removing the source path from include path list prior to deleting the source directory will avoid path corruption.
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1717 1722 1726 1730 1742 1744	Application Application Application Debug Configuration	E1RL78 Connection can fail. Failure to connect can be caused if an area of flash used by the debugger gets corrupted. This can be worked around by setting the debugger configuration / connection settings tab option "Erase Flash ROM When starting" to Yes. Once connection is established OK, the option can be reset to No. Deleting a source directory causes the placeholder (being used in include path) to become corrupted. \$(workspace_loc:/\${ProjName}/src} becomes: "\$(workspace_loc:/PlaceCorrupt/PlaceCorrupt/src}" If you intend to delete the source, the include paths also need update and therefore updating / removing the source path from include path list prior to deleting the source directory will avoid path corruption. When the project has been selected to use SH. The user is prompted to select the launch configuration of clicking 'run'. The launch configuration should be automatically selected correctly. No entry of Hello world project under Executable project. The HEW project importer does not import the linkage order from HEW. e2studio does not have the facilit
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1717 1722 1726 1730 1742 1744 1750	Application Application Application Debug Configuration Application HEW Project Converter	E1RL78 Connection can fail. Failure to connect can be caused if an area of flash used by the debugger gets corrupted. This can be worked around by setting the debugger configuration / connection settings tab option "Erase Flash ROM When starting" to Yes. Once connection is established OK, the option can be reset to No. Deleting a source directory causes the placeholder (being used in include path) to become corrupted. \${workspace_loc:/\${ProjName}/src}} becomes: "\${workspace_loc:/PlaceCorrupt/PlaceCorrupt/src}" If you intend to delete the source, the include paths also need update and therefore updating / removing the source path from include path list prior to deleting the source directory will avoid path corruption. When the project has been selected to use SH. The user is prompted to select the launch configuration of clicking 'run'. The launch configuration should be automatically selected correctly. No entry of Hello world project under Executable project. The HEW project importer does not import the linkage order from HEW. e2studio does not have the facility define the linkage order. -start option should be added to the sub-command file. If many sections are defined it is possible to excert
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1717 1722 1726 1730 1742 1744 1750	Application Application Application Debug Configuration Application HEW Project Converter	E1RL78 Connection can fail. Failure to connect can be caused if an area of flash used by the debugger gets corrupted. This can be worked around by setting the debugger configuration / connection settings tab option "Erase Flash ROM When starting" to Yes. Once connection is established OK, the option can be reset to No. Deleting a source directory causes the placeholder (being used in include path) to become corrupted. \${workspace_loc:/\${ProjName}/src}} becomes: "\${workspace_loc:/PlaceCorrupt/PlaceCorrupt/src}" If you intend to delete the source, the include paths also need update and therefore updating / removing the source path from include path list prior to deleting the source directory will avoid path corruption. When the project has been selected to use SH. The user is prompted to select the launch configuration of clicking 'run'. The launch configuration should be automatically selected correctly. No entry of Hello world project under Executable project. The HEW project importer does not import the linkage order from HEW. e2studio does not have the facilit define the linkage order. -start option should be added to the sub-command file. If many sections are defined it is possible to except the Windows command line length. RXC - For Compiler > Object > Output file type: "Assembler code(*.src)", the *.src files are deleted after project is built .
1717 1722 1726 1730 1742 1744 1750 1751	Application Application Application Debug Configuration Application HEW Project Converter RX build plugin	E1RL78 Connection can fail. Failure to connect can be caused if an area of flash used by the debugger gets corrupted. This can be worked around by setting the debugger configuration / connection settings tab option "Erase Flash ROM When starting" to Yes. Once connection is established OK, the option can be reset to No. Deleting a source directory causes the placeholder (being used in include path) to become corrupted. \${workspace_loc:/\${ProjName}/src}} becomes: "\${workspace_loc:/\$PlaceCorrupt/PlaceCorrupt/src}" If you intend to delete the source, the include paths also need update and therefore updating / removing th source path from include path list prior to deleting the source directory will avoid path corruption. When the project has been selected to use SH. The user is prompted to select the launch configuration o clicking 'run'. The launch configuration should be automatically selected correctly. No entry of Hello world project under Executable project. The HEW project importer does not import the linkage order from HEW. e2studio does not have the facility define the linkage order. -start option should be added to the sub-command file. If many sections are defined it is possible to exceet the Windows command line length. RXC - For Compiler > Object > Output file type: "Assembler code(*.src)", the *.src files are deleted after project is built. Actual (After build is complete): rm src/sbrk.src src/dbsct.src src/interrupt_handlers.src src/reset_program.
1717 1722 1726 1730 1742 1744 1750 1751	Application Application Application Debug Configuration Application HEW Project Converter	E1RL78 Connection can fail. Failure to connect can be caused if an area of flash used by the debugger gets corrupted. This can be worked around by setting the debugger configuration / connection settings tab option "Erase Flash ROM When starting" to Yes. Once connection is established OK, the option can be reset to No. Deleting a source directory causes the placeholder (being used in include path) to become corrupted. \$(workspace_loc:/\$(ProjName)/src) becomes: "\$(workspace_loc:/PlaceCorrupt/PlaceCorrupt/src)" If you intend to delete the source, the include paths also need update and therefore updating / removing th source path from include path list prior to deleting the source directory will avoid path corruption. When the project has been selected to use SH. The user is prompted to select the launch configuration of clicking 'run'. The launch configuration should be automatically selected correctly. No entry of Hello world project under Executable project. The HEW project importer does not import the linkage order from HEW. e2studio does not have the facility define the linkage order. -start option should be added to the sub-command file. If many sections are defined it is possible to except the Windows command line length. RXC - For Compiler > Object > Output file type: "Assembler code(*.src)", the *.src files are deleted after project is built. Actual (After build is complete): rm src/sbrk.src src/dbsct.src src/interrupt_handlers.src src/reset_program. src/RXC.src src/idcode.src src/vector_table.src - all file are removed.
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		When setting the 'Internal Flash Memory Overwrite' debug option, it is possible to exceed the maximum
		number of non-continuous memory blocks supported. No warning is given if this limit is exceeded.
1778	Application	When setting this option ensure the limit (16 for RX devices) is not exceeded. The range button is available on the Eventpoints Data Access Settings tab of an OA address point even
1786	SH build plugin	though these eventpoints are unavailable on the SH target.
1790	Real-time Watch	Real-time expression settings are not saved when the application exits.
		The PC can sometimes disappear from the disassembly window. This is due to the view getting the current stack frame confused.
		stack frame confused.
		When this occurs clicking the home button on the disassembly view does not force the view to the program counter.
		As a workaround, clicking the Top Stack Frame in the Renesas Debug View will cause the view to jump to the
	Application	PC.
1792	GDB Server SH	Trace Fill until Full or Stop has no effect for some SH targets. Defaulting to "Fill until stop". Debug configuration button does not show last configuration.
		The tooltip shows "Debug RX630E"
		but when the button is pressed
	Application	"RX62T" is launched, and "RX62T" is the one at the head of the list also.
1802	GDB Server SH	Unable to apply SH OA event point when Compare Settings chekbox is checked.
		After reload of modified file near breakpoints, do a reset and go - the breakpoints were shown in the source
		and breakpoint view but the target did not stop.
1804	Application	After a step over a breakpoint the target stopped correctly at all breakpoints. This was found on RX62T.
		There is currently a limit of 11 to the stack trace depth that will be shown in the Renesas Debug View.
		This can be increased to n by executing the command from the GDB console:
		set backtrace limit <n></n>
1000	CDP conver	
1000	GDB server	While source mode is enabled on the trace view if you swap or cycle to another view, before returning to the
		trace view. The contents of the view will be removed. To obtain the source view again please follow these
		steps:
1807	Trace plugin	Enable Bus mode on the trace view, disable source mode on the trace view, renable source mode and then disable Bus mode.
1007	Trace plugiii	disable bus mode.
		Import a HEW RX project in e2studio using the HEW project importer.
1808	HEW Project Converter	Check : Project > Properties > Compiler > Source > Include file directories. Paths are duplicated
4045	5 1.0 W. I	Currently there is no manual refresh menu item for the Variables and Expression view. The refresh menu item
1815	Real-time Watch	will be available in CDT 8.0 release. Every now and then (in this case after switching project), when building a project has been completed, the
1840	Application	build progress bar hangs indicating that the build is still in progress when clearly it is not.
1841	HEW Project Converter	Importing HEW project generates warning in e2studio for 'src' directory.
		HEW Importer: Compiler > Warnings > Advance > Enable All check-box is not mapped.
1846	HEW Project Converter	All warnings checkboxes are checked as expected, however the 'Enable All' option is not checked.
		Unable to create a project for the following target in project generation
		Toolchain: GNUSH v12.01 Target: R5F71374FPV
1847	Debug Configuration	Emulator : E10A SH2
		Program execution stops inside a range when Range Exclusive is specified in the address settings for OA
		event points.
	GDB server	HEW molecular report in not cupred at a control of 4.4
1863	HEW Project Converter	HEW makefile project import in not supported in e2studio 1.1. Using the Renesas Quick Settings set the warning messages to off.
		Using Renesas Tool Settings set Inhibit All warning messages to on. The Advanced settings are set to on but
		the settings are greyed out.
1880	Application	The build output displays warnings when none are expected. Access to real-time refresh interval UI requires an expression to be defined.
		nocess to real-time refresh interval of requires an expression to be defined.
		It should be possible to adjust the real-time refresh interval without adding an expression or even opening the
1882	Application	Expressions view. Realtime expressions view can become out of date on suspend when compared to the value in the memory
		window. This is due to the timing of the update against the suspend.
		A further step operation will refresh the view or you can see the value in memory. This only affects the values
1885	Real-time Watch	being viewed in real-time.
		Due to file extension issue with .s and .S and due to known bug, e2studio users wont be able to use .s or .S effectively to pre-process assembly files that need GCC. Hence we suggest renaming these files to use:
		.S -> .asm
1889	Application	.s -> .src
		When an RX hardware debug session is executing the reset button can be operated but does nothing.
	A 12 12	la DI 70 thank have see in a contract to
	Application Profile plugin	In RL78 the debugger is reset correctly. Profile view: Go to source throws an exception if no file path is defined in profiler.
	Trace plugin	Trace: Find destination address does not work due to case sensitivity.
	Application	Dependency scanning for Renesas assembly files does not work.
		If you wish to run the makefile from the command line the system environment or the required configuration to
1921	Application	set-up the environment needs to be manually added to the make file. This can be done by using the makefile.init file.
1		· · ·

1927	Event points plugin	Trace Record execution address eventpoints are allowed with e2Studio, these are not available with HEW, should only allow Trace Record eventpoints of type data access to make consistent with HEW.
	Application	From the memory view, the memory load feature does not work for reloading data into external flash.
		When using the IECUBE for RL78 the source lines for coverage are not being highlighted correctly in some
		cases.
1936	Coverage plugin	
		Deleting 1 of 2 instances of an expression being monitored in real time, takes the second instance out of real
1940	Real-time Watch	time monitoring mode.
		A user tries to import a already imported project (in a different workspace) again. However the project is
		deleted from the previous workspace.
		This results in the following error message "The selected .hwp file overlaps the location of another project".
		See attached dialog.
		This is because when the project is removed from the project tree the Eclipse projects are not physically
4050	HEM Project Occupation	removed. Deleting the Eclipse project files from the directory allows the operation to continue.
1950	HEW Project Converter	If you import a v850 debug-only project with a debug configuration and attempt to either debug the project; \(\)
		will get problem occured message which will say "Unknown Debug Hardware 'E1 (V850)'". E1 (V850)
1951	Application	hardware is not available in e2studio 1.1
		Profile address filter throws number format exception.
		Enter a valid address e.g. FFF8006E, into the filter which is listed within the profile view.
		If unsuccessful the follwoing exception is raised:
1954	Profile plugin	ava.lang.NumberFormatException?: For input string: "FFF8006E"
		Uninstalling e2studio can remove installed toolchains if they reside in the same directory.
1956	Installer	To fix this issue you need to run a repair on the removed toolchains.
1965	GDB server EXEC	RL78 IECUBE performance appears less than CubeSuite+ and the E1 in e2studio
		Profile address filter shows no records when a valid filter is applied.
1974	Profile plugin	
1074	Trome plagin	For Renesas CCRX the Converter phase gets invoked even when using the external linker subcommand
1982	RX build plugin	option. This should not happen.
		HEW Project Import fails to build file due to File or path name too long.
		This is due to the difference between HEW and Eclipse. In HEW object files are output to the configuration
2010	HEW Project Converter	directory. In Eclipse the files are output alongside the source file in the same directory.
2030	Application	Linker Section UI: Move Down button is disabled for the first element from any section.
		Source/Disassembly not being displayed after trace view is opened.
		Toggle off and on the Source Mode button and source is now displayed and view continues to behave
2044	Trace plugin	correctly there on.
2047	Application	Trace Start OA Eventpoint does not work on RX100 and RX200.
		Linker Section Editor - Need to conditional Enable / Disable the UI buttons.
		Elitikel decilon Editor - Need to conditional Eliable / Disable the or buttons.
		'Add button' is not disabled when user selects contents (Label, Expression or Keyword) inside the section.
2059	RX build plugin	When user clicks on add button, when Label, Keyword or expression is selected, nothing gets added. The \$WORKSPDIR macro not resolved during HEW project import procedure.
		Additional information: For this project, the .hwp and .hws files are located at the same directory.
2068	HEW Project Converter	Currently logic is implemented to search the workspace at parent directory for the specified project.
		Further enhancements are required to improve the speed of profiling when using the IECUBE emulator
		hardware.
2078	Application	Currently the system can take 1-2 minutes to receive all data for profiling.
		After building a project if user changes anything in linker subcommand file option, only ObjCopy is gets
2081	Application	invoked. Linker should get invoked.
2082	HEW Project Converter	HEW importer when using SHC Renesas compiler. The linker option "-show=total_size" is passed extra in e2studio as compare to HEW following conversion.
2002	TIEVV Troject Converter	ezstudio as compare to TEV following conversion.
		Folder with name having special characters like '&','%' are not recognized which leads to failure in build.
		Steps to reproduce
		1. Create a folder anywhere with name "New%Folder" 2. Create any dummy project OR copy existing projects to this folder
		3.Import to your workspace and build
		In My case error I got as:
2109	Application	** L3300 (F) cannot open file : "E:\NEW\New/Newfolder/Tutorial?\Debug\LinkerSubCommand?.tmp"
2143	Application	Exported project is not exporting the linker sections correctly following the linker sections being modified.
		Realtime Chart: Series removed after stopping and restarting debugger. It would be more user friendly if thi
		I may a second and
	Real-time Chart	did not happen.
	Real-time Chart GDB Server SH	Trace filtering does not work correctly for SH devices.
2152	GDB Server SH	Trace filtering does not work correctly for SH devices.
2152		Trace filtering does not work correctly for SH devices. When using the profile window, for SH72643, the 'execution time' and 'average execution time shows negating the profile window, for SH72643, the 'execution time' and 'average execution time shows negating the profile window, for SH72643, the 'execution time' and 'average execution time shows negating the profile window, for SH72643, the 'execution time' and 'average execution time shows negating the profile window, for SH72643, the 'execution time' and 'average execution time shows negating the profile window, for SH72643, the 'execution time' and 'average execution time shows negating the profile window, for SH72643, the 'execution time' and 'average execution time shows negating the profile window, for SH72643, the 'execution time' and 'average execution time shows negating the profile window, for SH72643, the 'execution time' and 'average execution time shows negating the profile window, for SH72643, the 'execution time' and 'average execution time' and 'execution
2152 2156	GDB Server SH	Trace filtering does not work correctly for SH devices. When using the profile window, for SH72643, the 'execution time' and 'average execution time shows negativalues for the first time only after which it runs normally. The SH72167 device does not support changing the trace data setting to either enable or disable. The only options that are allowed are 'Data' and 'Branch+Data' but not 'Branch' alone.
2152 2156	GDB Server SH Application	Trace filtering does not work correctly for SH devices. When using the profile window, for SH72643, the 'execution time' and 'average execution time shows negativalues for the first time only after which it runs normally. The SH72167 device does not support changing the trace data setting to either enable or disable. The only
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2152 2156 2158	GDB Server SH Application	Trace filtering does not work correctly for SH devices. When using the profile window, for SH72643, the 'execution time' and 'average execution time shows negativalues for the first time only after which it runs normally. The SH72167 device does not support changing the trace data setting to either enable or disable. The only options that are allowed are 'Data' and 'Branch+Data' but not 'Branch' alone. When using the trace feature and the E1 the trace data types are not shown correctly.
2152 2156 2158	GDB Server SH Application Application	Trace filtering does not work correctly for SH devices. When using the profile window, for SH72643, the 'execution time' and 'average execution time shows negativalues for the first time only after which it runs normally. The SH72167 device does not support changing the trace data setting to either enable or disable. The only options that are allowed are 'Data' and 'Branch+Data' but not 'Branch' alone. When using the trace feature and the E1 the trace data types are not shown correctly. Even when branch+data is shown on branch is displayed. On a subsequent run branch+data is then shown correctly. Software breakpoints are not supported on targets that use external flash to run application.
2152 2156 2158	GDB Server SH Application Application	Trace filtering does not work correctly for SH devices. When using the profile window, for SH72643, the 'execution time' and 'average execution time shows negativalues for the first time only after which it runs normally. The SH72167 device does not support changing the trace data setting to either enable or disable. The only options that are allowed are 'Data' and 'Branch+Data' but not 'Branch' alone. When using the trace feature and the E1 the trace data types are not shown correctly. Even when branch+data is shown on branch is displayed. On a subsequent run branch+data is then shown correctly.
2152 2156 2158 2159	GDB Server SH Application Application GDB server	Trace filtering does not work correctly for SH devices. When using the profile window, for SH72643, the 'execution time' and 'average execution time shows negativalues for the first time only after which it runs normally. The SH72167 device does not support changing the trace data setting to either enable or disable. The only options that are allowed are 'Data' and 'Branch+Data' but not 'Branch' alone. When using the trace feature and the E1 the trace data types are not shown correctly. Even when branch+data is shown on branch is displayed. On a subsequent run branch+data is then shown correctly. Software breakpoints are not supported on targets that use external flash to run application. Also, in this case 'force Hardware Breakpoints'(In Debug tool settings) set to 'No' by default.
2152 2156 2158 2159 2161	GDB Server SH Application Application GDB server Application	Trace filtering does not work correctly for SH devices. When using the profile window, for SH72643, the 'execution time' and 'average execution time shows negativalues for the first time only after which it runs normally. The SH72167 device does not support changing the trace data setting to either enable or disable. The only options that are allowed are 'Data' and 'Branch+Data' but not 'Branch' alone. When using the trace feature and the E1 the trace data types are not shown correctly. Even when branch+data is shown on branch is displayed. On a subsequent run branch+data is then shown correctly. Software breakpoints are not supported on targets that use external flash to run application.
2152 2156 2158 2159 2161 2176	GDB Server SH Application Application GDB server	Trace filtering does not work correctly for SH devices. When using the profile window, for SH72643, the 'execution time' and 'average execution time shows negativalues for the first time only after which it runs normally. The SH72167 device does not support changing the trace data setting to either enable or disable. The only options that are allowed are 'Data' and 'Branch+Data' but not 'Branch' alone. When using the trace feature and the E1 the trace data types are not shown correctly. Even when branch+data is shown on branch is displayed. On a subsequent run branch+data is then shown correctly. Software breakpoints are not supported on targets that use external flash to run application. Also, in this case 'force Hardware Breakpoints'(In Debug tool settings) set to 'No' by default. A warning message should be displayed while trying to set software breakpoints in such cases.