e2studio 1.0.0.38 Release Note: 22nd March 2012

ID	Component	Description	Version	Priority
827	Advanced Debug Manager (ADM)	Setting "Force Hardware Breakpoints" in the debug configuration will cause eventpoints to stop functioning.	1.0.0.33	major
16	Application	When debugging Segger J-Link application using RX, at the first (invalid) breakpoint, it shows garbage values for global variables.	KPIT Eclipse v3.04	major
40	Application	The message "Error: Unable to create variable object" is sometimes shown during debugging when stepping out of functions.	KPIT Eclipse v3.04	major
41	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. 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.	KPIT Eclipse v3.04	major
91	Application	If skip all breakpoints is clicked with the target running & multiple breakpoints are set, GDB returns the 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 from terminal]\n" 961,042 =thread-group-exited,id="42000" 961,042 29^error,msg="unknown error" 961,042 (gdb)	Renesas Eclipse 1.0.0.3	critical
110	Application	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 access when using directories with restricted access.		major
112	Application	When using the RX C compiler, value assignments to ports (declared in the header files) are shown as syntax errors in the editor view.		major
127	Application	The default for the registers window should be hex not decimal.		major
180	Application	Hex display rendering of memory does not correctly handle endian. Suggest to use the traditional rendering or use the memory browser.	Renesas Eclipse 1.0.0.7	major
181	Application	Status of memory window not properly maintained through debug connection. When the debugger connection is terminated and re-established a new memory monitor is required to get updates again. This is an Eclipse bug in the standard memory view.	Renesas Eclipse 1.0.0.7	major
183	Application	Memory window does not support floating point rendering option.	Renesas Eclipse 1.0.0.7	major
184	Application	The general registers view should be able to show registers as floating point values. In addition need to show PSW/FPSO as enumerated bits, etc.	Renesas Eclipse 1.0.0.7	major
238	Application	Dependency to be handled in case CPU is changed from RX200 to RX600 under compiler CPU, then library generator and assembler should also be updated with the latest CPU option. This does not work as expected currently. CPU option is not correctly passed to assembler and library generator during project build.	Renesas Eclipse 1.0.0.14	major
268	Application	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 in the correct file.	Renesas Eclipse 1.0.0.14	major
279	Application	GDB server and port number although configurable are currently hard coded.	Renesas Eclipse 1.0.0.14	major
280	Application	Multiple debuggers cannot be connected to the PC at the same time when using e2studio. For example it is not possible to connect 2 E1 emulators to different e2studio application instances at the same time. The HEW IDE environment can support this feature.		minor
298	Application	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" button is pressed at this point, the PC is shown at the breakpoint location.	Renesas Eclipse 1.0.0.14	critical
364	Application	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 -> <prj_name> -> Includes. 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 -> <prj_name> -> Includes. 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.	Renesas Eclipse 1.0.0.16	minor
370	Application	Following a product update the product version on the about box installation history does not get updated.	Renesas Eclipse 1.0.0.16	major
490	Application	e2studio current GDB versions do not support the python scripting switches.	1.0.0.20	critical
549	Application	When entering address, compare and mask values for an eventpoint, hex digits are assumed. The dialog 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.		minor

558	Application		The CPU reset in the Renesas debug view does not highlight the PC in the editor.	1.0.0.24	major
593	Application		Error Parser tab displays non accessible IDs.	1.0.0.24	major
603	Application		Toolchain management feature does not prompt to integrate GNUV850. Install GNUV850 toolchain in 'Custom' mode (and uncheck the checkbox when it prompts to integrate with Renesas E2S) The toolchain will get installed at "C:\Program Files\KPIT Cummins\GNUV850v11.03-ELF" as expected. Now Re-launch E2S, the toolchain management does not display the GNUV850 toolchain for integration with E2S.	1.0.0.24	major
617	Application		V850: Options in Debugger configuration > debugger tab are not saved when user clicks apply button of Debugger configuration.	1.0.0.25	major
652	Application		Custom debug configuration. Warning message to be generated if custom.bat is empty Test case : to check if the default settings of predefined Custom Debug launch configuration are correct. Steps: 1. Create a project for custom debug configuration. Select Custom Debug' on 'Select default debug settings' page while creating the project. 2. Don't update custom.bat with any path. 3. Build the project 4. click debug icon. If user has not specified any path in custom.bat and clicks the debug button, user should get warning message that file is empty.	1.0.0.25	major
663	Application		When changing the project in the debug configurations tab - a dialogue appears asking if changes want to be saved regardless of whether changes have actually occurred.		trivial
671	Application		There is no library project type available in e2studio.	1.0.0.27	blocker
672	Application		RXC Errors not being parsed into Problems View.	1.0.0.27	blocker
690	Application		The JTAG frequency in Eclipse is not used for Segger connected devices. Interface to the Segger device is currently done through the J-link application. This applies to any other settings defined by the J-Link application to setup the Segger chip.	1.0.0.24	major
698	Application		In the debug configuration for RX E1 the debug configuration dialog is not remembering the voltage choice of 5V.	1.0.0.29	minor
700	Application		RL78 Importing projects from 64bit to 32bit machines does not work seamlessly. The path changes are not remembered in Linker > Archives in the Archive search directories. When doing builds this is not always remembered.	1.0.0.29	trivial
711	Application		Un-installing HEW, un-installed RXC toolchains 1.1.0 and 1.2.0 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.	1.0.0.30	major
737	Application			1.0.0.31	minor
787	Application		Changing the path for the Linker Archive and then clicking Apply and OK does not result in the path being changed when visiting the dialog again.	1.0.0.33	major
813	Application		The RL78 IECUBE debugger does not currently have an option to automatically write down the Option Bytes in the same manner as the E1.		major
826	Application		e2studio seems to lock-up on repeated clicks of the restart toolbar button. Condition being that said button is clicked as soon as enabled during a restart.	1.0.0.33	major
844	Application		With the standard V850 generated projects there can be issues debugging with the V850 GDB Simulator. Errors such as: "core: 1 byte write to unmapped address 0x3ffe000 at 0x1f12" can be generated.	1.0.0.33	critical
846	Application		HEW debug fails for RX200, RX63N. HEW debugging templates do not exist for RX200 and RX63N.	1.0.0.33	major
870	Application		GNU RX Build component, building of Assembler file fails if workspace is located in the path with spaces.	1.0.0.33	major
882	Application		Eventpoints are project based in e2studio rather than workspace based. A side-effect of this limitation is that eventpoints can only be set in project source code.	1.0.0.36	major
901	Application		Building a project after renaming fails to build. "Artifact Name" is not being changed.	1.0.0.36	major
902	Application		After adding a new build configuration the new configuration cannot be built successfully.	1.0.0.36	major
904	Application		Warnings are duplicated as errors in the problems view when using the CCRX compiler.	1.0.0.36	major
909	Application		Selecting "Inhibit all warning messages" does not disable advanced warnings.	1.0.0.33	major
910	Application		For GNU projects. The "Store string consts in the writable data segment (-fwritable-strings) option is not displayed in e2studio user interface.	1.0.0.33	minor
912	Application		v850 project build fails for V850E2 - 70F3504.	1.0.0.33	major
915	Application		When adding a new .src file to the project and build is initiated the source file is not built.	1.0.0.36	major
918	Application		Build file -lang option is passed incorrectly when compared to standard project build.	1.0.0.36	critical

919	Application	UTF-8 Input character code (-utf8 option) and output character code (-outcode=utf8) are being set in dialogs but not being passed to the compiler at build time. These codes can only be applied in conjunction with C99 option, but even when selected, still does not work.	1.0.0.36	major
927	Application	Go to Assembler -> Object. mpid option is available for selection This option should not be present as the compiler > CPU > 'Generate position independent code and date' option should take care of passing to assembler as well.	1.0.0.36	major
928	Application	Build fails when user add multiple commands in post-build.	1.0.0.36	major
936	Application	Duplicate Address is allowed in Linker->Section for GNURX and other targets.	1.0.0.36	major
939	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 This also seems to be an issue with the GNU section editor.	1.0.0.38	major
940	Application	Debugging on the E2S(1.0.0.36) using 'F5' (step into) does not work as expected when stepping into disassembly (mixed mode). The button 'F5' has the same response as F6 (step over).	1.0.0.24	major
941	Application	RL78 G13 project build fails for cpu type R5F1018A.	1.0.0.36	major
530	Debug Configuration	"In the debug configurations, when clicking the â€˜Debuggerâ€™ tab (e.g. from the â€˜Startupâ€™ tab), in my system it takes 4-5 seconds until the tab comes up during which the window is in an â€˜in-betweenâ€™ state."	1.0.0.22	minor
873	Debug Configuration	No Renesas GDB hardware launch shortcut for IAR & Green Hills plugins. Launch shortcut needs manual creation.		major
877	Debug Configuration	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.	1.0.0.36	minor
478	Event points plugin	Clicking on column headers in Eventpoints view does not order entries.	1.0.0.21	minor
480	Event points plugin	Unable to add eventpoints using the insert key.	1.0.0.20	minor
481	Event points plugin	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. 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.	1.0.0.21	minor
482	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. A dialog should appear with a list of address labels but the ... button remains disabled	1.0.0.37	minor
486	Event points plugin	Unable to apply OA eventpoints of Trigger Type Sequence and with a Range set in the Address Settings. Expected Behaviour Program execution should stop when the PC reaches an address within the range specified. Actual Behaviour The eventpoint cannot be applied to the target.	1.0.0.21	major
723	Event points plugin	The "Add..." button is greyed out when trying to add a "Before PC" in the Eventpoint window. Can only be added from the source code windows.	1.0.0.31	major
804	Event points plugin	Long should be removed from the size combo for Data Settings for RL78.	1.0.0.33	minor
874	Event points plugin	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.	1.0.0.24	major
934	Event points plugin	Eventpoints view toolbar label not updating for RL78 eventpoints.	1.0.0.37	minor
322	GDB	Initial debug view is at incorrect address. Caused by an erroneous PC register value.	Renesas Eclipse 1.0.0.14	major
471	GDB	All 16 bit registers on the RL78 display 20 bits, the only such register in CubeSuite? is 'PC'.	1.0.0.21	major
220	GDB server	e2-server-gdb executable currently causes a security alert in Windows when executed for the first time. The publisher is currently undefined also. Accepting the dialog allows normal operation to proceed.	Renesas Eclipse 1.0.0.13	minor
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.	Renesas Eclipse 1.0.0.16	major

398	GDB server	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.	Renesas Eclipse 1.0.0.17	major
443	GDB server	RL78 debugging does not support real-time memory support despite the devices supporting a limited 16 byte real-time memory function.	1.0.0.20	major
525	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.	1.0.0.22	major
540	GDB server	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. Inreasing the refresh interval to 200 msecs is a workaround.	1.0.0.22	major
801	GDB server	RL78 program execution not stopping for OA eventpoints set between ranges. 1. Create an Event break OA eventpoint 2. Enter an address in the address field 2. Select Range in the address conditions 3. Enter an end address 4. Eventpoint dosen't trigger when an address between the range specified is reached and program execution dosen't stop	1.0.0.33	minor
802	GDB server	RL78 program execution stopping on word access when byte access is specified.	1.0.0.33	minor
803	GDB server	RL78 program execution stopping on 'Equal' when 'Not Equal' is specified in the Comapre Settings.	1.0.0.33	minor
811	GDB server	Trigger Count not supported for RL78 but is still available in the Eventpoint View.	1.0.0.33	minor
816	GDB server	Data Access mask not working for address values for RL78. Program execution stops each time the address is accessed no matter what value it contains.	1.0.0.33	minor
820	GDB server	Address mask not working for RL78. Program execution does not stop, expecting to see program execution stopping everytime we access an address ending in e8.	1.0.0.33	minor
930	GDB server	Unlimited number of Event Break eventpoints allowed on RL78 devices	1.0.0.37	minor
935	GDB server	RL78 G14-2 only allows one Event Break eventpoint	1.0.0.37	major
938	GDB server	Program Execution not stopping for Event Break OA eventpoints using IECube with RL78.	1.0.0.38	major
475	GDB server EXEC	Once a debug session has been terminated when using an IECUBE another connection is not possible until the IECUBE had been unplugged from the machine.	1.0.0.21	major
392	GDB server FFW	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 press debug instead it works correctly.	Renesas Eclipse 1.0.0.16	critical
762	GDB server FFW	GDB server takes a long time to terminate when previous debug session used real-time update. Tested using RX63N and E1.	1.0.0.33	major
17	IO view plugin	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. 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.	Renesas Eclipse 1.0.0.1	major
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.		minor
384	Project Generation	Currently the project generator wizard pages in KE/E2S are designed using the fixed size, i.e, the layout size and the components are organized according to the standard resolution for Windows 7 OS. However, if opening the e2studio IDE on the another platform (e.g., Linux or Windows OS with different resolution), the resolution of the native OS may not support the current resolution.	Renesas Eclipse 1.0.0.16	major
419	Project Generation	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.	Renesas Eclipse 1.0.0.16	major
766	Project Generation	Project generated for RXC 1.01 toolchain has a bad vector_table.c which has a syntax error. For workaround, generate a 1.02.00 project and swap the toolchain to 1.01.00.	1.0.0.33	critical
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. Registering toolchains and then restarting should remedy the problem.	1.0.0.33	major
903	Project Generation	Unable to create build configuration from an existing configuration.	1.0.0.36	major
854	Real-time Chart	All realtime views will accept an inverval on no less than 100 milliseconds.	1.0.0.35	major

ID	Component	Description	Version	Priority
567	Real-time Memory	It is not possible to edit series name in the real-time chart view.	1.0.0.24	major
568	Real-time Memory	No context sensitive help exists in the real-time views.	1.0.0.24	major
362	Real-time Watch	Realtime Expression View does not work when using local variables.	Renesas Eclipse 1.0.0.16	major
576	Real-time Watch	Structure dereferencing not available in the real time expression window.	1.0.0.24	major
831	Real-time Watch	Record sometimes saves blank file. When using the record feature in the real-time expressions view the saved file is sometimes empty.	1.0.0.33	major
166	RX build plugin	Build file for RX C rebuilds file every time rather than only building when changes are needed.	Renesas Eclipse 1.0.0.7	major
608	RX build plugin	Message is displayed every time 'Restore default' is pressed. Go to Library generator -> Settings. Select Restore defaults.

Following message is displayed: "Please note that reserving registers for use by the fast interrupt is incompatible with pre-built system libraries". | 1.0.0.24 | major |
| 783 | RX build plugin | #NAME? | 1.0.0.33 | major |
| 792 | RX build plugin | Custom added build configuration results in project build failure.

The error occurs as the linker section feature is not available for the newly added build configuration. | 1.0.0.33 | major |
| 842 | RX build plugin | 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.

When opening or importing any RXC project created prior to version 1.0.0.38 the sections will need to be corrected before building. | 1.0.0.38 | major |
897	RX build plugin	The name of sections in the linker section editor is limited to 20 characters. This needs to be extended to match the compiler limitations.	1.0.0.36	major
911	RX build plugin	'-undef' option is not passed to libgen for any GNU projects.	1.0.0.33	major
301	Trace plugin	Trace buffer full functionality needs addition. New checkbox needs adding to the GUI.	Renesas Eclipse 1.0.0.18	major
436	Trace plugin	Trace view buttons are active even when a debug connection is not available. The buttons should be disabled.	1.0.0.21	minor
452	Trace plugin	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 file type. Illegal trace files are not flagged as non standard trace files as per requirements. | 1.0.0.21 | minor |
722	Trace plugin	Using Find on "Address" allows the entry of a case insensitive hex number. However on "Destination Address" a case sensitive string is required. This needs to be made clearer on the UI.	1.0.0.24	minor
785	Trace plugin	Bus mode records sometimes fail to update if rapid cycling through the available trace modes.	1.0.0.33	major
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.	1.0.0.33	minor
879	Trace plugin	Find and filter are greyed out after closing trace view.	1.0.0.36	minor
887	Trace plugin	Trace address filter end range value gets set to the start range after reopening dialog.	1.0.0.36	major
ID	**Component**	**Description**	**Version**	**Priority**
Fixed in 1.0.0.38				
791	Application	Importing projects does not allow an easy way to move the toolchain path if the toolchain is either in a different location or does not exist.	1.0.0.33	blocker
311	Advanced Debug Manager (ADM)	Multiple confirm image reload dialogs can be displayed when cleaning multiple projects in one operation. The active debug configuration is not the only image being checked.	Renesas Eclipse 1.0.0.14	major
599	Application	Launch debug configuration selection does not include the RL78 simulator. In addition there is an entry for the gdbserver and the Renesas GDB Simulator that should not be there.	1.0.0.24	major
647	Application	RXC Run:"Launch failed : Binary not found"

Issue : When user tries to run the RXC project, message pops-up saying "Binary not found".
Expected behaviour: Appropriate message should be displayed
Actual: Message pops-up saying "Binary not found". | 1.0.0.25 | major |
764	Trace plugin	Duplicate lines of source code being displayed per bus record in the trace view. This is caused by scrolling fast through the window or re-sizing the view.	1.0.0.31	major
689	RX build plugin	There is a missing comma in the build options between the default compiler library and user library in RX C toolchain.	1.0.0.29	blocker
405	Real-time Watch	Realtime watch view currently does not show a suitable error message for an invalid expressions.	Renesas Eclipse 1.0.0.16	major
555	Real-time Watch	It is not possible to drag and drop into the real-time expressions window.	1.0.0.24	major

107	Application	E1 debugger configuration options dialogs do not currently offer all required debugger options for startup. These will be added to give feature parity with HEW in this area for 1.0.		major
235	Application	Renesas debug view - terminate button function. When debugging with RL78. Pressing terminate once appears to be okay, the button remains enabled and pressing the button again then disables the user interface.	Renesas Eclipse 1.0.0.14	major
483	Application	Mask combo box remaining disabled for OA eventpoints. Open the Eventpoints view. Select OR in the Trigger combo box. Click Add on the Edit Trace dialog. Select Data Access on the Eventpoint Type combo box. Select the Mask radio button in the Address Conditions. The adjacent Value text field and comparison combo box should be enabled but only the text field is enabled, the combo box remains disabled.	1.0.0.21	major
428	GDB server EXEC	Sometimes when debugging with the RL78 the target will stop at a breakpoint which has been deleted in Eclipse, even if all breakpoints have been deleted.	1.0.0.21	major
439	Application	When a debug session is terminated the gdb server will remain running while it is disconnecting from the target. No clear indication of this is provided in the Renesas Debug View (the standard debug view shows the server process). This can cause issues as the user may try to re-launch not realising that the last session hasn't fully terminated.	1.0.0.21	minor
125	Application	Build file function does not save the file before initiating the build process.		major
526	Event points plugin	Some issues with the Eventpoints context menu in the editor 1. Disable Address eventpoint is available if no eventpoint exists in the editor. 2. Enable Address eventpoint is not available when a disabled eventpoint is selected in the editor. 3. Edit Address eventpoint is available if no eventpoint exists in the editor.	1.0.0.22	minor
494	Application	When creating or modifying a Debug Configuration for E1 (RL78) if the Debug Hardware is set to anything other than IECUBE before selecting E1 (RL78) then an error ("Non-stop mode is only supported starting with GDB 6.8.50") is displayed when launching. As a workaround Debug Hardware should be set to "IECUBE" and changes applied before selecting "E1 (RL78)"	1.0.0.22	major
695	Installer	E2Studio Installer should install the E1 driver.	1.0.0.29	major
696	Application	IAR toolchains has issues on e2studio. The issue appears if the IAR plugins are used to create a project. an attempt to build the IAR project throws a managedbuilder error. If the toolchains are integrated seperately they appear to work up until you add a new toolchain to e2studio (e.g. remove the entries in tc_supported_file), when an exception is thrown and renders the editor and project generation to fail.	1.0.0.29	major
477	Event points plugin	Warning icons incorrectly appearing the Saved Templates View. Select the eventpoint. Click on the Save as Template icon on the toolbar Eventpoint appears in the save template view (correct) but with an warning icon (incorrect because event points in the saved template view are not downloaded to the target).	1.0.0.21	minor
694	Application	When entering the build settings for an IAR RL78 project an exception is thrown.	1.0.0.29	critical
383	IO view plugin	The IO view should support multiple selection (CTRL and SHIFT type selections) for add to selected registers.	Renesas Eclipse 1.0.0.16	minor
524	RX build plugin	Renesas RXC 1.02 does not appear in the add toolchain dialog.	1.0.0.22	critical
321	Application	When creating a new "C project" for the RX C Compiler and selecting all default values. No "L" section is created. This means an error as soon as string is encountered.	Renesas Eclipse 1.0.0.14	major
404	IO view plugin	When closing e2studio with debugging suspended, the IOView will cause an exception to be thrown.	Renesas Eclipse 1.0.0.18	major
85	Application	The "rx-elf-gdb.exe" process can be left running after exiting Renesas Eclipse. If you exit Renesas Eclipse while connected (without disconnecting first) then the "rx-elf-gdb.exe" process is left running. I exited the application using the top right corner X button.	Renesas Eclipse 1.0.0.3	major
605	Application	Standard Eclipse shows the Register & Modules views are launched by default. However, in case of E2S Register & Modules view are not shown by default.	1.0.0.24	minor
432	Trace plugin	Trace view - range filter is still being set when field is disabled. The trace cycle range is included in the filter even though the range checkbox is unchecked.	1.0.0.20	minor
423	Trace plugin	Trace plugin, the bus viewer labels are sometimes missing. Bus table being refreshed before labels have been retrieved.	1.0.0.20	minor
575	RX build plugin	CCRX: V.1.2.0 It is not possible to change the memory map for an existing project. The changes entered in the Linker dialog are discarded when the Tool Settings window is closed.	1.0.0.24	critical
Fixed in 1.0.0.36				
667	IO view plugin	"Value longer than bitfield" when editing 1 bit IO register fields.	1.0.0.27	minor
639	IO view plugin	The bytes order of IO registers for RX devices in the IO view is reversed on little endian targets. As a result of this displayed bit-fields will be incorrect.	1.0.0.26	major
344	Application	Error messages regarding the external power or powered from emulator are confusing and misleading when using the E1 debugger.	Renesas Eclipse 1.0.0.17	major
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.	Renesas Eclipse 1.0.0.7	major
445	Trace plugin	The trace view disassembly in some instances does not match the disassembly view. It appears that incorrect disassembly data is associated to the bus data.	1.0.0.21	minor

424	Application	Toolchains not being found on a Win-64-bit OS. This is due to the directory Program files (x86) not being searched.	1.0.0.20	major
847	RX build plugin	Linker section options are enabled when user opts to use external linker script.	1.0.0.33	major
541	RX build plugin	Build process generates errors when RX C compiler located under C:\Program Files (x86).	1.0.0.20	critical
668	Application	When debugging using an IAR project - Renesas hardware debug configuration cannot be used.	1.0.0.27	blocker
646	RX build plugin	Compiling individual files under RXC generates Internal build error.	1.0.0.26	blocker
755	Application	RI78 projects cannot be debugged without opening the debug configuration dialog. An error message is displayed and the launch fails.	1.0.0.32	critical
691	Project Generation	RXC Project Creation fails with stack overflow and internal error. Seems to occur when selecting C99 in the RX C project generator.	1.0.0.29	blocker
Fixed in 1.0.0.33				
678	Application	RL78 does not initialize global variables with simulator and hardware debug correctly.	1.0.0.27	blocker
502	GDB server FFW	When stepping a RX630E with an E1 the gdb server will sometimes exit with the message: Error Out message=E05 Disconnected from the Target Debugger. The 'gdb' console displays: Protocol error with Rcmd monitor reset Unexpected vCont reply in non-stop mode: E31 This behaviour is seen with both the RXC & GNURX toolchains.	1.0.0.22	blocker
588	Event points plugin	Execution Address eventpoints not being detected with Segger debugger. This is an open Segger issue (HEW exhibits the same behaviour).	1.0.0.24	major
501	GDB server FFW	R210 projects cannot be debugged. With GNURX the connection succeeds but with no program appears to have been downloaded. With RXC the GDB Server crashes during connection.	1.0.0.22	blocker
726	Application	RX630 could not be connected using JTAG switch.	1.0.0.30	major
695	Installer	E2Studio Installer should install the E1 driver.	1.0.0.29	major
537	Trace plugin	Trace find does not find next item that matches selection. Select type as the find criteria, ensure in the trace view you have a mixture of types displayed, e.g. more than one BCND record and Destination trace record. Select find-> select "DESTINATION" type to find on, the dialog will only highlight the first one it finds or if is already on one it will not change to go to the next available record.	1.0.0.23	major
198	IO view plugin	There is an issue with reading/writing multi-byte IO registers where it appears that only the fist byte of the register is read/written when using the RL78.	Renesas Eclipse 1.0.0.13	major
475	GDB server EXEC	Once a debug session has been terminated when using an IECUBE another connection is not possible until the IECUBE had been unplugged from the machine.	1.0.0.21	major
470	GDB server EXEC	Writing to cpu registers writes corrupt values. e.g. Writing 0xf14aa to 'ax' actually writes 0xf1414. Also writing any value to 'a' results in that value being written to 'x'. This appears to affect all multi-byte registers.	1.0.0.21	blocker
472	GDB server EXEC	When using an RL78 though an E1 using Resume to line or Move to line causes the target to resume at a location other than the one selected. Generally this location is invalid and he target either runs continually or exits. In the case of Move to line this does not stop as the breakpoint inserted at the target line is never reached.	1.0.0.21	major
651	Application	Address is wrong it is 0xFFFFFF80 it should be 0xFFFFFFD0. Reset vector should be last address 0xFFFFFFFC. .fvectors should be 0xFFFFFFD0 in GCC linker section addresses.	1.0.0.24	blocker
437	Trace plugin	Trace view does not have context help.	1.0.0.21	major
568	Real-time Memory	No context sensitive help exists in the real-time views.	1.0.0.24	major
487	GDB server	Trace Data Records not being returned from Server. Only Branch Data is displayed in the Trace View.	1.0.0.21	critical
664	Application	Link using gcc command instead of ld command' option is re-selected even if unchecked	1.0.0.24	minor
624	Application	When using RX 630 it is not clear whether the device is connecting in JTAG or FINE mode. A specific option needs to be added.	1.0.0.24	critical
497	Trace plugin	Trace find and filter are case sensitive for all find and filter options.	1.0.0.22	trivial
448	GDB server	E1 emulator options for the RX device are to be expanded to match that seen in HEW. Currently some options are not supported despite being visible in the user interface.	1.0.0.20	critical
445	Trace plugin	The trace view disassembly in some instances does not match the disassembly view. It appears that incorrect disassembly data is associated to the bus data.	1.0.0.21	minor
621	Project Generation	Performance has degraded while creating project for any target. Product : 1.0.0.25	1.0.0.25	minor

696	Application	IAR toolchains has issues on e2studio. The issue appears if the IAR plugins are used to create a project. an attempt to build the IAR project throws a managedbuilder error. If the toolchains are integrated seperatly they appear to work up until you add a new toolchain to e2studio (e.g. remove the entries in tc_supported_file), when an exception is thrown and renders the editor and project generation to fail.	1.0.0.29	major
344	Application	Error messages regarding the external power or powered from emulator are confusing and misleading when using the E1 debugger.	Renesas Eclipse 1.0.0.17	major
708	Trace plugin	Trace address filter end range value gets converted to decimal from hex display.	1.0.0.24	major
704	GDB server	Trace Find not finding all types when selected. Eg Type = BCND or DESTINATION.	1.0.0.24	major
683	Application	Trace View should be able to show data in empty fields. If an empty field is returned from the Server, the trace view shows a value from the previous column in the column that should be empty.	1.0.0.24	major
688	Real-time Watch	Real time expression not working without re-connect. 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.	1.0.0.30	major
323	Project Generation	In the RX C compiler project generator you are not able to set "None" for the 'Patch code generation' combo box.	Renesas Eclipse 1.0.0.14	minor
679	Application	When user selects the option 'Do not add a library file' from MBS -> Standard Library -> Mode, Standard library phase is invoked.	1.0.0.27	major
417	RX build plugin	Problem with RX C option dialogs. Option "-base==" is displayed under 'All option' category. Goto Renesas Tool Settings > Compiler-->All options, Add and remove the Register R8 and address value. When the Address and address values are removed, the equal-to still remains.	Renesas Eclipse 1.0.0.16	major
637	Installer	Installer not checking for runtime re-distributable. The installer is not checking for runtime re-distributable on win64. It is not installing the runtime redistributables. The error is seen deugging a RSKRL78G13 target. The debugger reports that the appplication side by side configuration is incorrect.	1.0.0.25	major
724	Event points plugin		1.0.0.31	major
689	RX build plugin	There is a missing comma in the build options between the default compiler library and user library in RX C toolchain.	1.0.0.29	blocker
251	Installer	Installer prompts for minimum 'Primary' drive space, even though secondary drive is selected.	Renesas Eclipse 1.0.0.16	major
694	Application	When entering the build settings for an IAR RL78 project an exception is thrown.	1.0.0.29	critical
706	RX build plugin	Unable to include absolute library files to linker. Create project and add specific files for RX610. Unable to add linker file to Linker > Input. The workspace is attached. The linker fails with Library without module name specified as input file.	1.0.0.30	major
705	Application	RX C build plugin: Dialog box not displayed when user changes from C(C89) to C99.	1.0.0.27	major
638	Installer	The latest installer on a Windows7 64-bit OS with Service Pack1 does not create the Renesas folder or the "Renesas E2Studio" shortcut under Start button.	1.0.0.25	minor
698	Application	In the debug configuration for RX E1 the debug configuration dialog is not remembering the voltage choice of 5V.	1.0.0.29	critical
701	Real-time Watch	When switching to the Debug perspective from the Renesas Debug Perspective an exception is logged and the switch fails. This happens when the Realtime chart is open and present in the configuration.	1.0.0.30	critical
430	GDB server	The trace view is not filtering for cycle value when a range is specified. This is caused by the GDB server.	1.0.0.20	major
552	Realtime-time Memory	Realtime graph: graph scale does not get initalised on restart.	1.0.0.24	critical
653	RL78 build plugin	Target device R5F104LE does not connect on product build 26	1.0.0.26	major
468	Real-time Watch	Realtime Chart View only working for first hardware debug session	1.0.0.20	major
Fixed in 1.0.0.31				
687	Project Generation	RL78: Reset vector written to INTDBG vector.	1.0.0.29	major
692	Application	RL78 Project Creation fails with stack overflow and internal error.	1.0.0.29	critical
703	Application	When attempting to launch RL78 Hardware debugging the gdb server crashes on startup.	1.0.0.30	blocker
431	GDB server	The trace view filter is not working for Destination Addresses. No records will be shown. This is caused by the GDB server.	1.0.0.20	major
539	Trace plugin	Find type when two types selected crashes e2-gdb-server.exe. Select type Find-> Type select BCND & DESTINATION, ensure exclude is selected and press find next, e2-gdb-server.exe crashes.	1.0.0.23	critical
Fixed in 1.0.0.30				
681	Application	RL78 GCC compiler can cause problems with interrupts not being fired.	1.0.0.29	blocker
495	Application	Connecting to an IECUBE and running or stepping causes the target to appear to run but never stop.	1.0.0.22	critical
428	GDB server EXEC	Sometimes when debugging with the RL78 the target will stop at a breakpoint which has been deleted in Eclipse, even if all breakpoints have been deleted.	1.0.0.21	major
597	Application	Support for extra RL78 devices needs to be added to Debugging & Project Generation. e.g. R5F104PJ (RL78/G14)	1.0.0.25	blocker
678	Application	RL78 does not initialize global variables with simulator and hardware debug correctly.	1.0.0.27	blocker
433	GDB server	Trace view filter not working when exclude checkbox is set. It does not exclude the items from the filter. This is caused by the GDB server.	1.0.0.21	major

537	Trace plugin	Trace find does not find next item that matches selection. Select type as the find criteria, ensure in the trace view you have a mixture of types displayed, e.g. more than one BCND record and Destination trace record. Select find-> select "DESTINATION" type to find on, the dialog will only highlight the first one it finds or if is already on one it will not change to go to the next available record.	1.0.0.23	major
691	Project Generation	RXC Project Creation fails with stack overflow and internal error. Seems to occur when selecting C99 in the RX C project generator.	1.0.0.29	blocker
498	Trace plugin	Trace Filter & Find exclude checkbox is not remembering its state.	1.0.0.22	minor
536	Trace plugin	Setting up the trace find conditions the BCN dialogs are not populated correctly and appear blank.	1.0.0.23	major
432	Trace plugin	Trace view - range filter is still being set when field is disabled. The trace cycle range is included in the filter even though the range checkbox is unchecked.	1.0.0.20	minor
281	Trace plugin	When using filtering in the trace view and applying the BCND value from the filter list all records are still returned.	Renesas Eclipse 1.0.0.14	critical
125	Application	Build file function does not save the file before initiating the build process.		major
279	Application	GDB server and port number although configurable are currently hard coded.	Renesas Eclipse 1.0.0.14	major
564	Real-time Memory	Realtime memory: memory view shows no updates to values. In certain conditions the real-time memory view does not show the updates.	1.0.0.24	critical
84	Application	Using the RX v11.01 toolchain gives the following error at end of build: Invoking: Objcopy rx-elf-objcopy -O srec -I elf32-rx-be-ns testxxxxxx.x "testxxxxxx.mot" C:\Program Files\Renesas\Hew\Tools\KPIT Cummins\GNURX-ELF\v11.01\rx-elf\bin\rx-elf-objcopy.exe:testxxxxxx.x: Invalid bfd target make: *** [testxxxxxx.mot] Error 1	Renesas Eclipse 1.0.0.3	major
682	Trace plugin	An error dialog is observed when source mode is enabled in the Trace view. Build 27. RX62N with J-Link. This issue also occurs when the Disassemble Mode is enabled in the Trace view.	1.0.0.27	blocker
664	Application	Link using gcc command instead of ld command' option is re-selected even if unchecked	1.0.0.24	minor
667	IO view plugin	"Value longer than bitfield" when editing 1 bit IO register fields.	1.0.0.27	minor
623	RL78 build plugin	Description Issue : Warning message in console while building the RL78 default project. Product : 1.0.0.25 Expected Behavior: Build without any error and warning. Actual Behavior: Warning in "../src/vector_table.c" of project	1.0.0.25	minor
669	Application	RL78G14 target step over function not working correctly. For YRPBRL78G14 the step over function performs step in instead of step over.	1.0.0.27	major
589	Application	Debug configuration options should be automatically expanded. Tree items are currently collapsed so you need to hunt around for the right option.	1.0.0.24	major
463	GDB server EXEC	When connecting to an RL78 with E1 sometimes the connection fails with "Reply contains invalid hex digit 116". This may happen even if it is the first time a connection attempt has been made since the E1 was plugged in. This seems to happen more often with larger download files.	1.0.0.21	major
129	GDB server	E1 connection options need to be updated to reflect the same function as CubeSuite and HEW.		major
454	GDB server	Using restart with an RL78 connected though an E1 can cause the gdb server to exit. Connection to RL78 is unreliable, with 2 symptoms: 1) Long time to connect. 2) Occasionally failing to connect completely. A second attempt to connect should usually work.	1.0.0.21	critical
555	Real-time Watch	It is not possible to drag and drop into the real-time expressions window.	1.0.0.24	major
673	Real-time Watch	Realtime Views can crash e2Studio. When running for several minutes with 3 variables in the Real-time chart view & 4 in the expressions view e2Studio crashes (the Java VM itself terminates).	1.0.0.28	blocker
602	Application	Via check for updates all tc_supported files are erased even though they are not included within the target files plugin. this results in the attached screenshot. the workaround is to select "Add renesas Toolchains" to re-aquire toolchains.	1.0.0.24	minor
618	Project Generation	RL78 Project Generator: "Debug using HEW" is present in default debug setting PG page.	1.0.0.25	minor
Fixed in 1.0.0.29				
198	IO view plugin	There is an issue with reading/writing multi-byte IO registers where it appears that only the fist byte of the register is read/written when using the RL78.	defect	major
647	Application	RXC Run:"Launch failed : Binary not found" Issue : When user tries to run the RXC project, message pops-up saying "Binary not found". Expected behaviour: Appropriate message should be displayed Actual: Message pops-up saying "Binary not found".	defect	major

646	RX build plugin	Compiling individual files under RXC generates Internal build error.	defect	blocker
420	GDB server EXEC	After connecting to an RL78 using an E1 in CubeSuite+ 1.01 the target board cannot be connected to though Eclipse until it has been Erased with the Renesas Flash Programmer Tool. Changing the E1 does not fix this. This is due to the security settings. When a connection attempt is made it fails and the RESET light on the E1 remains lit until it is unplugged.	defect	minor
273	GDB server	When debugging using RL78 in certain circumstances breakpoints do not work when hardware debugging. It works as expected when using the simulator.	defect	major
416	GDB server EXEC	When reconnecting to an RL78 after building a project with changed code the first reconnection attempt fails with an error. This occurs when e2-server-gdb is not running when the reconnect attempt is made. After this the server remains running and must be manually terminated before another connection can be made.	defect	major
620	Application	Create a project for RX62N with default template options. Build it and re-build it. The library is deleted and re-built every time, regardless of whether it has changed.	defect	minor
440	Application	The Terminate & Relaunch action (in the standard debug view) does not function correctly when using an E1. For the RX it terminates the session but the relaunch fails during connection. For the RL78 the time taken for the disconnect process causes Eclipse to display a "Terminate failed" message and not re-launch. It does function correctly when using a Segger J-link emulator.	defect	major
449	Application	"Debug hardware" list needs to be updated in the Debug configuration page to match the project generator and toolchain options dialogs.	defect	critical
668	Application	When debugging using an IAR project - Renesas hardware debug configuration cannot be used.	defect	blocker
658	Application	New RX63N devices need support. Please see attached Excel file. R5F563NB_WS2 R5F563ND R5F563NE	defect	blocker
226	Application	Dialog is displayed, asking to â€œSelect a way to run <project_name>â€ on selecting â€œRenesas GDB Simulator Launchâ€ or â€œRenesas GDB Hardware Launchâ€. Another dialog is displayed to â€œChoose a configuration to run/debugâ€ where multiple simulator debuggers are available for selection. This dialog should not be displayed.	defect	major
423	Trace plugin	Trace plugin, the bus viewer labels are sometimes missing. Bus table being refreshed before labels have been retrieved.	defect	minor
614	RL78 build plugin	GNU RL78 build support does not currently use: â€¢ -flto support â€¢ "Link-with-gccâ€ support These switches are available in the latest 1201 GCC for RL78.	enhancement	major

505	GDB server	Null pointer exception when user re-builds and re-launches the debug perspective.
		
		Can be reproduced using the RX tools.
		
		Steps:
		1. Create a default RX project.
		2. Build the project.
		3. Goto <Project name>.c file and goto Main add 2 statement
		int i=0;
		i=i+1;
		4. Re-build the project
		5. Click Yes button on pop up window (which prompts to reload the project).
		6. On selecting yes, an exception generated.
			defect	major

635	Project Generation	E1 (V850) debug hardware is displayed when RXC toolchain is selected.	defect	major
651	Application	Address is wrong it is 0xFFFFFF80 it should be 0xFFFFFFD0. Reset vector should be last address 0xFFFFFFFC. .fvectors should be 0xFFFFFFD0 in GCC linker section addresses.	defect	blocker
633	Application	RXC SimDebug: Error starting process Cannot run program : Launching failed. Steps To Reproduce 1. Create RXC project with "Debug using GDB simulator" option 2. Build the project. 3. Click on Run button on toolbar.	defect	major
Fixed in 1.0.0.27				
438	Trace plugin	Using the trace view with bus mode off and source/disassembly mode are enabled. When stepping through code or resuming trace the bus mode is enabled and source/disassembly modes disabled.	1.0.0.21	major

ID	Component	Description	Version	Severity
535	Trace plugin	The saving of trace data from a debug only project does not save the data.	1.0.0.23	major
502	GDB server FFW	When stepping a RX630E with an E1 the gdb server will sometimes exit with the message: Error Out message=E05 Disconnected from the Target Debugger. The 'gdb' console displays: Protocol error with Rcmd monitor reset Unexpected vCont reply in non-stop mode: E31 This behaviour is seen with both the RXC & GNURX toolchains.	1.0.0.22	blocker
609	Application	Some options are not updated for all the configurations after updating the options on selecting â€œAll Configurationsâ€ Latest development environment.	1.0.0.24	major
639	IO view plugin	The bytes order of IO registers for RX devices in the IO view is reversed on little endian targets. As a result of this displayed bit-fields will be incorrect.	1.0.0.26	major
198	IO view plugin	There is an issue with reading/writing multi-byte IO registers where it appears that only the fist byte of the register is read/written when using the RL78.	Renesas Eclipse 1.0.0.13	major
584	Application	Real-time expression view data recording can throw an exception if a file can not be saved to the root or to paths that have spaces.	1.0.0.24	major
551	Trace plugin	Trace View not refreshing when switching from BUS-SOURCE mode to BUS mode.	1.0.0.24	minor
311	Advanced Debug Manager (ADM)	Multiple confirm image reload dialogs can be displayed when cleaning multiple projects in one operation. The active debug configuration is not the only image being checked.	Renesas Eclipse 1.0.0.14	major
395	GDB server	Restart can still cause issues with the RX. A crash or hang can occur when a breakpoint is set and you press re-start. It can cause the GDB server to crash following this or in some instances hang.	Renesas Eclipse 1.0.0.18	blocker
485	Event points plugin	It should not be possible to AND more than one Execution Address eventpoint. Currently it is possible.	1.0.0.21	minor
526	Event points plugin	Some issues with the Eventpoints context menu in the editor 1. Disable Address eventpoint is available if no eventpoint exists in the editor. 2. Enable Address eventpoint is not available when a disabled eventpoint is selected in the editor. 3. Edit Address eventpoint is available if no eventpoint exists in the editor.	1.0.0.22	minor
439	Application	When a debug session is terminated the gdb server will remain running while it is disconnecting from the target. No clear indication of this is provided in the Renesas Debug View (the standard debug view shows the server process). This can cause issues as the user may try to re-launch not realising that the last session hasn't fully terminated.	1.0.0.21	minor
501	GDB server FFW	R210 projects cannot be debugged. With GNURX the connection succeeds but with no program appears to have been downloaded. With RXC the GDB Server crashes during connection.	1.0.0.22	blocker
39	IO view plugin	IO View clears selected registers following debug connection termination. Selected registers should be retained for subsequent connections.	KPIT Eclipse v3.04	major
294	GDB server EXEC	The Segger J-link does not support RX210.	Renesas Eclipse 1.0.0.14	major
606	Application	HEW does not get launched on selecting debug for HEWDebug.	1.0.0.22	minor
541	RX build plugin	Build process generates errors when RX C compiler located under C:\Program Files (x86).	1.0.0.20	critical
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.	Renesas Eclipse 1.0.0.7	major
477	Event points plugin	Warning icons incorrectly appearing the Saved Templates View. Select the eventpoint. Click on the Save as Template icon on the toolbar Eventpoint appears in the save template view (correct) but with an warning icon (incorrect because event points in the saved template view are not downloaded to the target).	1.0.0.21	minor
482	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. A dialog should appear with a list of address labels but the ... button remains disabled	1.0.0.21	minor
169	Application	Problem starting debug using GDB Simulator when switching from 'HardwareDebug?' to 'SimDebug?' due to the following exception: "Error while launching command: gdb --version".	Renesas Eclipse 1.0.0.7	major
575	RX build plugin	CCRX: V.1.2.0 It is not possible to change the memory map for an existing project. The changes entered in the Linker dialog are discarded when the Tool Settings window is closed.	1.0.0.24	critical
499	Application	The Fine Board Rate is not set by default for E1 debugging with RX. This causes a "selected device does not match the hardware" error when attempting to debug.	1.0.0.22	major
236	Application	Debugging with RX610 with a big endian configuration is not working correctly. Connection is established but debug operation causes server to hang.	Renesas Eclipse 1.0.0.14	blocker
435	Application	Source & disassembly are not displayed correctly using reference project in the trace view.	1.0.0.21	major
383	IO view plugin	The IO view should support multiple selection (CTRL and SHIFT type selections) for add to selected registers.	Renesas Eclipse 1.0.0.16	minor

474	Application	When using reload Eclipse appears to hang until it has completed. While this is generally only a few seconds, on the RL78 with an E1 this can take long enough for Windows to mark e2Studio as 'Not Responding'.	1.0.0.21	major
321	Application	When creating a new "C project" for the RX C Compiler and selecting all default values. No "L" section is created. This means an error as soon as string is encountered.	Renesas Eclipse 1.0.0.14	major
605	Application	Standard Eclipse shows the Register & Modules views are launched by default. However, in case of E2S Register & Modules view are not shown by default.	1.0.0.24	minor
426	Application	The memory plugin is displaying incorrect values for memory mapped IO registers. It does not take into account the access size.	1.0.0.20	major
107	Application	E1 debugger configuration options dialogs do not currently offer all required debugger options for startup. These will be added to give feature parity with HEW in this area for 1.0.		major
599	Application	Launch debug configuration selection does not include the RL78 simulator. In addition there is an entry for the gdbserver and the Renesas GDB Simulator that should not be there.	1.0.0.24	major
569	Real-time Memory	It is possible that after debug runs the real-time chart may stop working. Even if the real-time watch view is updating the chart does not. e2studio will require a restart to fix this problem.	1.0.0.24	critical
Fixed in 1.0.0.25				
509	Application	When attempting to write to an Io register using the Io Registers view, either on an RX or RL78 the GDB server crashes. For example writing '0xff' to 'PORTD.DDR' on an RX causes a crash.	1.0.0.22	major
198	IO view plugin	There is an issue with reading/writing multi-byte IO registers where it appears that only the fist byte of the register is read/written when using the RL78.	Renesas Eclipse 1.0.0.13	major
466	Trace plugin	Trace output is always missing the last cycle's data.	1.0.0.21	major
545	Project Generation	Build steps dialog does not allow multiple pre-build steps.	1.0.0.22	major
543	Real-time Watch	The table within the Realtime Expression view does not fill the view.		major
369	Application	When using the GNU RL78 toolchain the compiler optimization settings are modified even when the cancel button is pressed. This happens when user-defined optimization settings are used. 1. Create RL78 project 2. Select properties, Compiler-> Object-> Optimization Level-> Select 'Custom Debug' 3. Select Custom(User defined optimization) 4. Click Apply button 5. Click Restore Defaults Button. 6. Click Apply button. 7. Re-Select Custom(User defined optimization) 8. Select OK. 9. Click On button on Warning message window. 10. Click Cancel Button. 11. Select properties, Compiler-> Object-> Optimization Level	Renesas Eclipse 1.0.0.17	major
107	Application	E1 debugger configuration options dialogs do not currently offer all required debugger options for startup. These will be added to give feature parity with HEW in this area for 1.0.		major
555	Real-time Watch	It is not possible to drag and drop into the real-time expressions window.	1.0.0.24	major
556	Real-time Memory	Pop-up menu for the real-time memory does not have a refresh interval.	1.0.0.24	critical
85	Application	The "rx-elf-gdb.exe" process can be left running after exiting Renesas Eclipse. If you exit Renesas Eclipse while connected (without disconnecting first) then the "rx-elf-gdb.exe" process is left running. I exited the application using the top right corner X button.	Renesas Eclipse 1.0.0.3	major
302	Application	During the connection process some messages are shown which are not meaningful to the user.	Renesas Eclipse 1.0.0.14	major
267	GDB server	An odd file pane is opened when debug connection is established with no source. This is caused by an erroneous PC address. Performing a step operation focuses the PC in the correct view.	Renesas Eclipse 1.0.0.14	major
473	Project Generation	When an GNURL78 project is imported from a zip file and built on a different machine a build error occurs. It appears that the path for the old workspace remains in the build settings after import:	1.0.0.21	major
560	Real-time Watch	If more than 6 expressions are set in the watch view the expressions will be obscured by the editor.	1.0.0.24	major
524	RX build plugin	Renesas RXC 1.02 does not appear in the add toolchain dialog.	1.0.0.22	critical
424	Application	Toolchains not being found on a Win-64-bit OS. This is due to the directory Program files (x86) not being searched.	1.0.0.20	major
405	Real-time Watch	Realtime watch view currently does not show a suitable error message for an invalid expressions.	Renesas Eclipse 1.0.0.16	major
417	RX build plugin	Problem with RX C option dialogs. Option "-base==" is displayed under 'All option' category. Goto Renesas Tool Settings > Compiler-->All options, Add and remove the Register R8 and address value. When the Address and address values are removed, the equal-to still remains.	Renesas Eclipse 1.0.0.16	major

		Running an update test from product 22 -> 23 the following exception is thrown: !ENTRY org.eclipse.core.resources 4 2 2012-01-27 13:43:12.791 !MESSAGE Problems occurred when invoking code from plug-in: "org.eclipse.core.resources". !STACK 0 java.lang.NullPointerException? It appears possibly that the view is being added to the perspective even though it is already there. Selecting "Reset Perspective" will get around this, but if a user has modified the Renesas perspective to suit their preferences their choices will potentially be deleted.		
532	Application		1.0.0.23	minor
Fixed in 1.0.0.24				
		11.03 toolchain for RX has some issues in release 23. With build 23 11.02 now fails on library generation (see below). Invoking: Library Generator rx-elf-libgen --select-lib=newlib --header-files=stdio;stdlib;string --compiler-options=-mlittle-endian-data;-Os,-fdata-sections,-ffunction-sections,-falign-jumps,-fno-function-cse,-funit-at-a-time --assembler-options=--mlittle-endian-data -o "libtest.a" /bin/sh: stdlib: command not found /bin/sh: string: command not found /bin/sh: -Os,-fdata-sections,-ffunction-sections,-falign-jumps,-fno-function-cse,-funit-at-a-time: command not found make: *** [libtest.a] Error 127		
544	Project Generation		1.0.0.23	blocker
		Image Reload prompt when building projects with terminated debug session. When building a project with a terminated debug session the 'Confirm Image Reload' prompt will sometimes appear. Once this happens for a project it will continue happening on build until e2Studio is restarted.		
511	Application		1.0.0.22	major
Fixed in 1.0.0.23				
		The vector_table.c file is incorrect for GNURL78 projects. Interrupts which are not valid for a particular device are not accounted for in the array. CubeSuite?+ appears to fill these missing vectors with 0xFFFF.		
512	Application		1.0.0.22	major
		Include directory is lost from the GCC RX build options dialog. Last added include is removed after apply and OK is clicked and you re-open the dialog.		
461	Application		1.0.0.20	major
		Linker section addresses which are currently present (for RXC) are not compatible with RX62T. The reason is that the start of on-chip ROM for RX62T is higher than RX62N. Linker section addresses to be changed by referring the Hardware manual.		
484	Project Generation		1.0.0.20	major
405	Real-time Watch	Realtime watch view currently does not show a suitable error message for an invalid expressions.	Renesas Eclipse 1.0.0.16	major
Fixed in 1.0.0.22				
491	GDB server EXEC	When using an E1 which has not been connected to with new EXEC dlls you are unable to connect using 1.0.0.22.	1.0.0.22	major
		When creating or modifying a Debug Configuration for E1 (RL78) if the Debug Hardware is set to anything other than IECUBE before selecting E1 (RL78) then an error ("Non-stop mode is only supported starting with GDB 6.8.50") is displayed when launching. As a workaround Debug Hardware should be set to "IECUBE" and changes applied before selecting "E1 (RL78)"		
494	Application		1.0.0.22	major
		E1 debugger configuration options dialogs do not currently offer all required debugger options for startup. These will be added to give feature parity with HEW in this area for 1.0.		
107	Application			major
382	IO view plugin	Column order in the IO view should be Name, Value, Address not Name, Address, Value.	Renesas Eclipse 1.0.0.16	minor
404	IO view plugin	When closing e2studio with debugging suspended, the IOView will cause an exception to be thrown.	Renesas Eclipse 1.0.0.18	major
228	Application	The value of the IO registers should be prefixed with an 0x.	Renesas Eclipse 1.0.0.13	minor
252	IO view plugin	The IO View does not prevent the user entering invalid strings as values. e.g. it accepts 'ssss' as a valid input for a 2 byte register. This results in the io register being edited to be set to an unexpected value being set.	Renesas Eclipse 1.0.0.14	major
337	Application	Unable to open debug configuration unless project has been built. When using GNU RX compiler, not building and going straight to debug configuration can cause e2studio to hang.	Renesas Eclipse 1.0.0.16	major
		IO Registers and the standard register views reset between debug runs. Selected registers and expand, collapse states are lost. In addition the views are not defaulting to hexadecimal. Standard setting is decimal.		
109	Application			major
312	Application	RL78 launch shortcuts for debugging are not created.	Renesas Eclipse 1.0.0.14	major
235	Application	Renesas debug view - terminate button function. When debugging with RL78. Pressing terminate once appears to be okay, the button remains enabled and pressing the button again then disables the user interface.	Renesas Eclipse 1.0.0.14	major

384	Project Generation	Currently the project generator wizard pages in KE/E2S are designed using the fixed size, i.e, the layout size and the components are organized according to the standard resolution for Windows 7 OS. However, if opening the e2studio IDE on the another platform (e.g., Linux or Windows OS with different resolution), the resolution of the native OS may not support the current resolution.	Renesas Eclipse 1.0.0.16	major
422	Project Generation	GNU RX build options. The generate assembler output option is not working correctly. Selecting the generate assembler output option and then changing toolchain version from 11.03 to 11.02 and then back to 11.03 leaves the control in an incorrect state. (checked and disabled)	1.0.0.20	major
84	Application	Using the RX v11.01 toolchain gives the following error at end of build: Invoking: Objcopy rx-elf-objcopy -O srec -I elf32-rx-be-ns testxxxxxx.x "testxxxxxx.mot" C:\Program Files\Renesas\Hew\Tools\KPIT Cummins\GNURX-ELF\v11.01\rx-elf\bin\rx-elf-objcopy.exe:testxxxxxx.x: Invalid bfd target make: *** [testxxxxxx.mot] Error 1	Renesas Eclipse 1.0.0.3	major
323	Project Generation	In the RX C compiler project generator you are not able to set "None" for the 'Patch code generation' combo box.	Renesas Eclipse 1.0.0.14	minor
444	Application	When disconnecting using the stop button with the RL78, the stop button does not turn off and indicate the connection has been closed.	1.0.0.20	minor
206	Application	When you click to change a value in the register window. The previous selection is shown in the edit window not the cell selected to be changed.	Renesas Eclipse 1.0.0.13	minor
458	GDB server	It is not currently possible to connect to the E20 emulator when using the RX devices. (Using RX610 with external power supply)	1.0.0.20	critical
429	Project Generation	A debug configuration is created during project generation for GNURX projects for both Segger JLink & E1. However if this debug configuration is selected without first visiting the debug configuration dialog an exception is thrown.	1.0.0.21	blocker
452	Trace plugin	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 file type. Illegal trace files are not flagged as non standard trace files as per requirements.	1.0.0.21	major