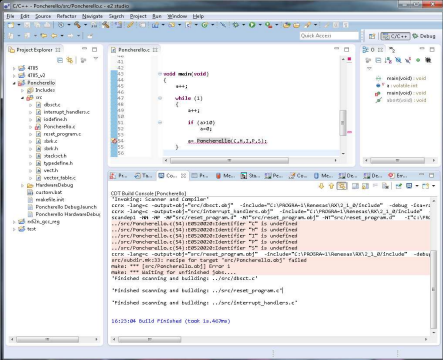
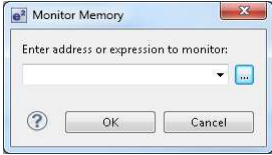
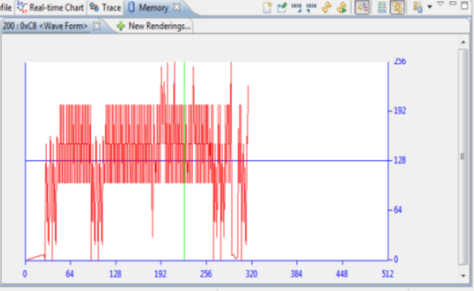
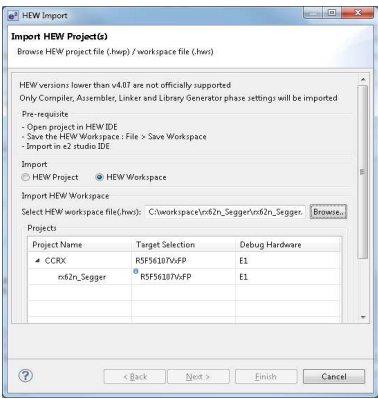
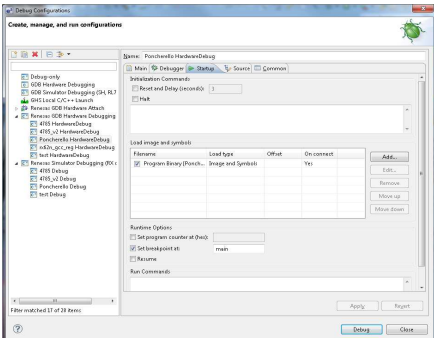
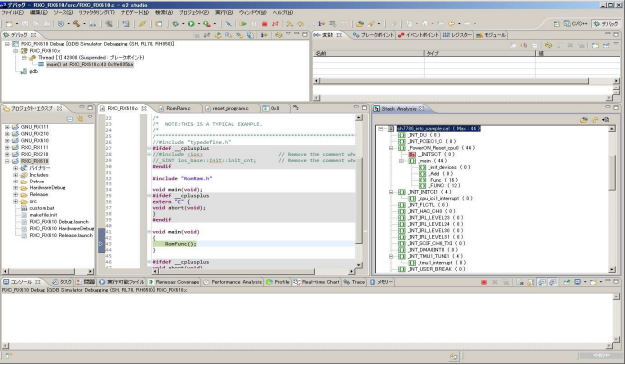
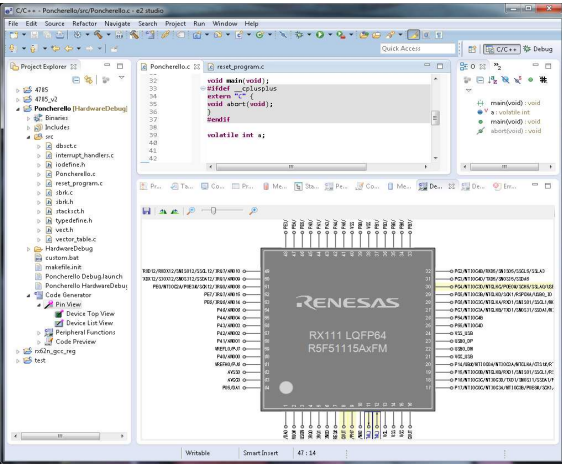


New features in 3.0:

Component	Description
Application	Previous version of e2 studio was based on the Juno Eclipse version. This update moves the Eclipse version to Kepler SR1.
Application	<p>CDT component updated to 8.3. For an update on what is new in 8.3 of CDT please check this: http://wiki.eclipse.org/CDT/User/NewIn83</p>
Application	<p>Various updates made to the previous CDT integration to improve application functionality.</p> <ul style="list-style-type: none"> Project generation when using a folder that contains multi-byte characters is now fixed. When an error occurs in the linker and the user fixes it and rebuilds it is now removed from the problems tab. Build console error and warnings are colour coded and you can also jump to the relevant source window when double clicked.  <ul style="list-style-type: none"> Elapsed build time is displayed in the build console. The disassembly window now correctly shows Opcodes.
Memory plugin	<p>The included memory plugin with CDT has been enhanced. The following improvements have been made:</p> <ul style="list-style-type: none"> When terminating the debugger the setup of the current renderings are stored in the current debugger configuration. The memory renderings are automatically opened when the debugger connection is restored and the memory plugin is open. Adding memory monitors with symbol support is improved.  <ul style="list-style-type: none"> Memory fill made more prominent. Improved memory import performance from the memory plugin.
Memory plugin	<p>Waveform memory rendering added to memory plugin.</p> 
CODAN	CODAN errors and warnings defaults have been reviewed and the levels changed accordingly to more accurately suit embedded software development.

Application	<p>HEW workspace import is now supported.</p> 
RX	RX64M is supported.
RH850	<p>Improvements made to RH850:</p> <ul style="list-style-type: none"> - RH850 debugging also now supports the profile view. - The RH850 GDB now supports Python scripting correctly.
RL78	On-chip trace now supported for RL78/F13 and F14.
RL78	RL78 EZ Emulator supported.
Application	<p>Multiple download module support added.</p> 
Static Analysis Plugin	<p>Stack Analysis plugin added. (Similar to Call Walker in HEW/CubeSuite+)</p> 
Debugger status	Further modes added to the MCU display status control in the status bar.
Application	<p>Custom phases support similar to that seen in HEW. Supported types in this version are:</p> <ol style="list-style-type: none"> 1. A custom tool (e.g. "yacc") might be used to generate C/C++/Asm source code for subsequent compilation by existing tools. 2. A custom tool (e.g. "lint") might be used immediately prior to building a C/C++/Asm file to invoke an informational tool.
Real-time chart	Improved real-time chart.
Builder	Manual dependency scanning options added to the builder to improve overall build time when dependencies are known to be not changing.
CCRX Build plugin	<p>Renesas CCRX 2.01.00 toolchain support. CCRX toolchain and global optimization option support.</p>

Application	Improved method of downloading and supplying smart manuals.
Installer	Improved installer capable of deploying Renesas plugins to a generic Eclipse. Requirements are as follows: Eclipse base version needs to be Kepler. The installer cannot use Helios or Juno Eclipse versions.
Application	CCRX e2 studio project conversion to e2 studio GCC projects.
e2 studio integration service	Improved e2 studio integration service. <ul style="list-style-type: none"> Add an include path to the build options of the toolchain in a project/build configuration pair. Add a library or archive file to the build options of the toolchain in a project/build configuration pair. Open a project that is currently closed in the workspace. Set and clear standard Eclipse breakpoints at a source line or address. Implement the ability to control debug execution more precisely using the step commands. Events for resume and suspend of the debugger will be support to avoid the use of polling in the calling application.
Visual Expressions	Additional controls added to the Visual Expressions plugin. Including meter, vertical slider, horizontal slider and thermometer.
RX Debug Configuration	RX Hot Plug support
Code Generator	Improved support for RX111 and RX64M. Code Generator can now save settings to .csv file.
Code Generator	Improved code generator support for more devices along with Pin View support. 

Important workarounds useful to know when using 3.0:

ID	Component	Description
NA	Application	<p>If you are experiencing slow building of projects within e2 studio there are some possibilities to improve.</p> <p>The system environment will attempt to find the make.exe tool via the system environment. If you ensure the directory make resides in is at the start of the path variable it will find it more quickly. Especially important if there are network drives in the path.</p> <p>In the project properties, C/C++ Build tab, behaviour tab you can switch on parallel build. This will take advantage of the multi-cores on your host machine if it has them. In 2.1 or later this now defaults to on for new projects.</p>
NA	GCC Build Plugin	The GNU toolchain linker file format has changed in 3.0. This means projects that are developed in 3.0 and opened in 2.x will still continue to build. However you may experience issues visiting the GCC Linker Sections user interface.
5041	Code generator	Code Generator can delete user code between /* Start */ End comments in some situations. Using the code generator if the following code is placed in the main function: <pre> //if (data_in!=0xAA){ </pre> on a line by itself, all of the main code will be removed when Generate Code button is pressed. The key issue is that the { brace is on the same line as the comment.
5016	Project Generation	When initially creating a debug only project the extension of the specified module is not added to the debug configuration dialog. This means the file cannot be found when launched. Adding the extension back manually rectifies the problem.
2010	HEW Importer	<p>Symptoms: Project fails to build after import from HEW</p> <p>Conditions: If a long filename or path is used, and the HEW project importer is used, the project may fail to build.</p> <p>Workaround: Move the original HEW project to a shallow directory structure (i.e.) C:\Workspace and import from there. Also ensure that the HEW project is relocated before importing into e2 studio.</p>
2421	Application	<p>Debug configurations have been modified in e2 studio 2.x. So although you can re-use the workspace and projects from e2 studio 1.x when you open the debug launch configuration for the first time it is updated.</p> <p>Before doing this you should back-up the .launch file if you need to keep a 1.x version.</p>

NA	Application	It is not possible to import e2 studio 1.x projects which are for the V850 device into e2 studio 2.0.
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 .ld file. Workaround: Clean and Build a second time.
2762	Application	When using assembly code within a C source file, Codan errors can be observed in the editor. Even though the project builds successfully. We do not have a workaround for this at this time.
2728	GDB	Step into does not always work when using the CCRX 1.02.01 toolchain. To ensure this behaves correctly you will need to use CCRX 2.00.00 or greater as this issue with the debug information is corrected in this release.
NA	Eventpoints	If eventpoints do not always work just after they are set, you can use the "Apply to Target" toolbar button in the Eventpoint view to send the Eventpoints to the target manually. This will always ensure the debugger target has all the required eventpoint updates before execution starts.

Improvements and Fixed issues in 3.0.1.7

ID	Component	Description
4988	Visual Expressions plugin	The state of the Visual Expressions view is not saved when you press the X and close the view.
5018	Coverage	Code Coverage function for RX64M is newly supported. E20 emulator is required to enable this function. RX64M Code Coverage information is displayed for a RX64M project in the "Renesas Coverage" view on the e2 studio debug perspective. Please refer to e2 studio "Help"->"Help Contents"->"e2 studio Coverage View" for details.
5068	Application	When using the RX Simulator in some cases the program can stop at a breakpoint which was already removed.
5081	CCRX Build Plugin	CCRX: Single file build fails for Linked resource having file name with spaces.
5082	CubeSuite Importer	Files which are excluded in CubeSuite+ are included when imported into e2 studio.
5084	RZ Build Plugin	Placeholder \${ProjName} not correctly replaced in ARM RZ project. This can cause build issues.
5125	RZ Build Plugin	Quick settings options are not displayed for GNUARM-RZ project.
5148	Application	In a clean 3.0 installation there are problems with missing SH files causing debugging to not work well.
5155	Coverage	Sometimes lines which have been executed are shown as not covered in the Coverage plugin.
5186	Coverage	IECube using address range takes a long time.
4056	Coverage plugin	After running a debug session with coverage on the whole file then a number of green indicators are displayed in the editor view as expected. Close e2studio and restart. The green indicators still remain even though there is no connection, coverage is disabled and no coverage address ranges or file specified in the Coverage View. The only way to clear the file coverage indicators is to right click in the middle gutter and select "Clear Coverage Markers".
4892	Application	When using GNU SH, selecting file properties for .s/.src file throws exception.
4899	Coverage plugin	Results in the coverage plugin do not relate to the actual program execution in some circumstances. Lines show as not covered when assembly instructions were executed. When the code is optimized this situation gets worse. Improved integration with GDB calls will fix this issue in 3.0 SR1.
4906	Coverage plugin	When debugging with RX, if the project is built by CCRX V.1.02, an error is displayed when getting the coverage data. If the project uses the CCRX V.2.01 toolchain, the error is not displayed.
4975	RX GCC build plugin	'ar' utility fails if the input is greater than 8191 characters. The command line options are truncated after every 8192nd character. We will have to implement subcommand file (using @) for 'ar' utility similar to compiler and assembler.
4990	CDT	The open Renesas Tool Settings-> C/C++ General, click on "Formatter" option. An exception is thrown.
5001	Application	CCRX to GNURX conversion: Options are not set correctly on single file.
5004	Application	CCRX to GNU RX_Converter: Local file options are not mapped for assembler files.
5016	Application	When initially creating a debug only project the extension of the specified module is not added to the debug configuration dialog. This means the file cannot be found when launched. Adding the extension back manually rectifies the problem.
5026	Application	CCRX to GNU RX Project conversion: In Linker Section, Section names contain '\$' symbol need to be removed manually.
5085	CCRX Build plugin	Pre-include files are not passed to the editor to show the correct pre-processor status in the editor window. Pin View in RX111 Code Generator is updated.
5172	CodeGenerator plugin	The Pin View now supports saving pin configuration in .csv format for RX111, RX110 and RX64M.
5208	Application	Automatic updates should be switched on by default.

Fixed issues in 3.0.0.22

ID	Component	Description
2278	Application	Wrench is not displayed after a file's build settings are modified. This is a generic CDT issue.
2440	Application	If you delete a src folder and add it again with the same name it gets excluded from the build. Click on the project and examine the source directories to add it back in.
2504	CCRX Build plugin	When source files have timestamps ahead of the current time the project will compile every time until the file dates are passed.
2576	GDB	Using RPBR78L12 and GNURL78 v13.01, attempting to step into a C function call within an assembly file (reset_program.asm) results in a step over.
2755	Event points plugin	Timer Value for Performance Start/Stop Eventpoints not being persisted.
2930	GDB server	It is not possible to power the RH850 board via the E1 debugger in the current release.
2963	GDB	When debugging an IAR RX project you may get an error rebuilding your project while debugging. As a workaround if you press "reload" before rebuilding, your project will be re-built and the new binary reloaded into gdb after the build.
3017	CDT	The "Show Opcodes" feature within the Disassembly window does not work correctly. This affects all targets.
3059	Register plugin	The Find feature of the registers view does not work.
3061	Application	When using trace and the RH850 debugger when using the "Disassembly view and Instruction Stepping Mode" a single step is performed. Some additional commands relating to the debugger were included in the trace output. Only the instruction "add r15, r1" should only be displayed.
3179	Application	The setting of the Performance Analysis dialog is not saved.
3207	CCRX Build plugin	When using the Renesas C compiler (CCRX) C source files cannot be compiled as C++ files.
3331	Application	When using an external build system to build a project, the Image Reload notification is not displayed when the image file is modified. This reload notification is only launched for the internal build procedure.
3450	Application	Select all and copying the registers to the clipboard does not work correctly. This is also the case in the generic version of Eclipse Juno.
3476	Application	When finding registers in the IO view the result of the search is not highlighted but the view is scrolled.

3662	Application	The selection and copying of all variables to the clipboard does not work in e2 studio. It also does not work in Eclipse Juno.
3788	Application	RL78 Stack pointer register cannot be changed from registers view.
3832	Code Generator plugin	Building an example using the code generator and selecting the "Generate hardware setup" in C caused the project to not build as the file iodef.h is missing.
3841	Application	When setting MBS > Compiler > Optimize > Advanced, option 'inter-module' for 'Optimization for access to external variables' it causes a re-build every time.
3860	GDB	When modifying the PC on RL78 when leaving the register in the format 0xFF <main+xx> it fails. If you remove the <main+xx> and just pass through a valid hex string it works fine.
3909	CCRX Build plugin	In case "Inter-module" is specified in Compiler/Optimize/Advanced/Optimization for access to external variables, "make.exe" process continues to run after build process is finished The GDB Python library is missing from the RH850 GDB executable.
3960	Application	As a work around the 'gdb' library from "gdb\python\lib*" within a GDB source drop can be placed in DebugComp\Lib\.
4007	Visual Expressions plugin	The properties dialog for Image element in Visual Expressions view accepted a minus (-) sign in edit fields which are Hex, Octal and Binary number-formats. Also when using Hex, Octal and Binary formats for number ranges, the ranges will be converted using long data-type rather than int data-type.
4026	RX GCC build plugin	When building with GCC if the compiler command line options string exceeds 8192 characters it is truncated and may not work correctly. If you encounter this issue - please try using a shorter path for the root of the workspace you are building.
4132	Real-time Watch	When using Real-time Debugging, a memory value is acquired per byte. Therefore in some cases the wrong value will be displayed if two or more bytes of a variable are displayed in real time.
4140	Application	Performing a clean operation twice in succession for the CCRX toolchain performs a build and then a clean on the second clean operation.
4150	Project Generation	Working sample debugger support is removed after updating the product version. To re-enable the WS support please copy the files back into the product from the original archive.
4174	Application	When browsing for a toolchain in the add toolchain dialog in toolchain management if you use the context menu to paste the path into the dialog, the add button is not enabled. The workaround is to use shift + insert or Ctrl + v via the keyboard. This will enable the button.
4219	Project Generation	Add additional linker section should be added ".lowtext". This section needs to contain the expression ".plt" and have a fixed address of 0xD8. The existing ".text" section should be modified to follow on from this new section.
4223	Code Generator plugin	RL78/L12 group of MCUs (RL78 family) The setting of Key interrupt flag and Detection edge may not be saved. When saving the project after making the new setting and then reloading the project, the setting reverts to the original setting as the new one had not been saved. After reloading the project, check that the setting of Key input interrupt is the same as the setting which was made before reloading.
4224	Code Generator plugin	RL78/G1A group of MCUs (RL78 family) The Conversion time mode of the Conversion time setting may not be saved. When saving the project after making the new setting and then reloading the project, the setting reverts to the original setting as the new one had not been saved. After reloading the project, check that the setting of Conversion time mode is the same as the setting which was made before reloading.
4225	Code Generator plugin	RL78/L13 group of MCUs (RL78 family) When the timer KB20 is in use, the settings for Standalone mode (period controlled by external trigger input) and Interleave PFC (power factor correction) output mode may prevent the correct output of the API functions. Make settings in Code Preview so that the following API functions are output manually: - R_KB20_Create - R_KB20_Start - R_KB20_Stop - R_KB20_Set_BatchOverwriteRequestOn - R_KB20_TKBO0n_SmoothStartFunction_Start - R_KB20_TKBO0n_SmoothStartFunction_Stop - R_KB20_TKBO0n_DitheringFunction_Start - R_KB20_TKBO0n_DitheringFunction_Stop - R_KB20_TKBO0n_Forced_Output_Stop_Function1_Start - R_KB20_TKBO0n_Forced_Output_Stop_Function1_Stop
4226	Code Generator plugin	RL78/G10 group of MCUs (RL78 family) When generating code corresponding to the gcc compiler, date information is outputted to the version comments box in the function header of the r_cg_reset_program.asm.
4246	Application	When "\$(workspace_loc)/FreeRTOS_ftpd_RSK_RX63N_rev100/src/ANSI" is specified in the include option, it is not able to be expanded in project explorer. \$(WorkspaceDirPath) macro works well.
4251	Code Generator plugin	RX111 group of MCUs (RX family) When Code Generator is added to RX111 project, an extra node appears under Code Generator node at Project perspective tree. Nothing is performed at the node.
4265	CCRX Build plugin	When using CCRX 2.x there have been issues with differences in the Elf/Dwarf output which needed to be resolved by the object converter in e2 studio. If you had an error such as "warning: Code section size (0x11B) not a multiple of 4", this will now be resolved in 3.0.
4295	Application	The position of the eventpoint within the source window is wrong in case it is defined via an offset (e.g. dummy_fkt_2+4 ...)
4304	Application	Output file name cannot be changed in "Build Artifact" setting.
4330	Application	Memory renderings are now persisted when a debug session is terminated and the associated debug configuration is re-launched.
4332	Application	When an error occurs after a program built, it has to be manually removed, otherwise this is kept in [Problems] even after multiple rebuilds. The indexer picks up semantic errors in files OK and removes them when resolved. Linker errors are not being cleared. These need to be manually removed from the problems view after resolution.
4346	Application	Projects can now be created with multi-byte characters such as those used in Japanese and Chinese character sets.
4352	Application	Errors and warnings are now colored in the build console window.

		GNU RX vector table source file corrected. The following change was made to ensure interrupt handlers work correctly: ... //:0x0050 Reserved (fp)0, //:0x0054 FCUERR (fp)INT_Except_FCU_FCUERR, //:0x0058 Reserved (fp)0, //:0x005C FRDY1 (fp)INT_Except_FCU_FRDY1, //:0x0060 Reserved (fp)0, ...
4361	Application	
4362	IAR plugins	For the IAR toolchain. Although the "Generate debug information" is checked(Settings -> IAR RX Assembler -> Output) the --debug option is not passed to the iasmrx.
4369	Application	Time stamp information added to the RX Trace output.
4372	Application	On e2studio v2.2.0.13 using GNURX v13.011 toolchain, when removing unused and unreferenced functions/variables with the "go-sections" linker option, the ".vectors" interrupt vector section is deleted. The KEEP option is now set by default to avoid this problem.
4378	HEW Project Converter	When importing some projects from HEW into e2 studio using the project import facility some source files were not included automatically.
4395	Application	A new page has been added to the build preferences to allow custom tools to be added to the build. This is similar to the functionality offered by HEW custom phases.
4399	Smart Manual plugin	Due to a mismatch between the user manual and the generated iodefine.h, some registers with smart manual cannot be searched and found.
4411	Application	The rx_converter.exe can crash when a CCRX output file is converted that was created using the global optimization option.
4413	Event points plugin	Data access eventpoints are not persisted when e2 studio is closed and re-opened.
4430	Code Generator plugin	For certain devices a Pin View has been added to the code generator to show pin settings visually.
4459	Application	It is now possible to change the device that the project is selected for after the project has been created. This is especially useful for changing the memory usage view and also the smart manual. Go to project properties >> C/C++ Build >> Device.
4460	CCRX Build plugin	When a library project is rebuilt the project that includes it does not re-link when it is also built.
4462	CCRX Build plugin	The scan dependency tool should not be passing WIN32 when scanning the embedded source code.
4470	Application	RX debugging, the ID code cannot be written even if it is downloaded with Flash Write mode.
4477	Application	Projects with linked resources are not getting built after import using the HEW project import feature.
4485	GDB server	RL78 IO Access with multiple access widths read incorrectly. Work-around: Within your debug session.
4488	Application	Real-time Refresh of the registered expression does not become effective on the Expressions View. (Only Japanese-language edition) __far is displayed as a syntax error in the editor when using GNU RL78. After importing the project (created in v3.0.0.11 or previous versions) user has to go to 'Project > Properties > C / C++ General > Pre-processor Include Paths, Macros, etc. > Providers' tab, and check the 'GNU Toolchain Built-in Language Settings [Shared]' checkbox. After selecting the mentioned check-box the __far keyword support will be added to the imported project.
4491	RL78 GCC build plugin	
4504	Application	In the Memory and Memory Browser views, the contents of memory near an end address is not displayed correctly.
4505	Project Generation	The "iodefine.h" and "iodefine_ext.h" which generated as e2 studio RL78 GNU "executable" project have insufficient register definitions. Missing definitions in iodefine.h: P7, PM7, FLARS, FLWL, MONSTA0, ASIM, ... Missing definitions in iodefine_ext.h: PU7, PIM5, GDIDIS, BPAL0, BECTL, FLSEC, ...
4509	Integration Server	The e2 studio integration service has been updated to allow C# applications to use it.
4514	Application	Conditional includes and compilation does not work correctly when local options are set on a source file.
4531	Application	When debugging with RX, the state of a debugger can become unstable by execution of a wait instruction. When a wait instruction is executed, "Remote failure reply: E31" will be displayed on the console (gdb) and the debugger will be disconnected.
4578	CCRX Build plugin	When using the CCRX toolchain there is a build error when setting options on a single source file for Compiler > CPU > Fast Interrupt register.
4582	Application	The port added by an USB to serial converter is not displayed in the selection dialog in the RX debug configuration dialog.
4602	CCRX Build plugin	Scan dependencies tool uses __GNUC__ macro automatically when building with RXC toolchain. It should only be used when using the GCC toolchains.
4616	CCRX Build plugin	The clean build operation can fail when there are many hundreds of object files to clean.
4617	Application	When the data of word size is written in a word size register, a upper byte and a lower byte are reversed.
4618	Application	In the memory view when the data of word size is written in a word size register, a upper byte and a lower byte are reversed.
4620	Application	In the memory view, when a fill operation is performed for a memory range the last 1 byte is not filled.
4627	Application	When using CCRX 1.x and GCC toolchains when putting a breakpoint on an invalid line a dialog is displayed saying the breakpoint will be placed at the next available instruction. A yellow warning icon appears in the original location and a new "relocated breakpoint" icon appears where GDB placed the breakpoint. With CCRX 2.0 this does not happen.
4629	Project Generation	When a new CCRX project is created the section top address will be modified from 0x0 to 0x4 as the new default option.
4694	Application	User can not toggle method breakpoint then toggle line breakpoint at the line of an method name.
4730	Application	Pre-build step gets invoked in between during project build.
4772	Application	GCC build can fail when there are resources with spaces in their name.
4781	Application	When using CCRX with MISRA warning messages. Some problems are not shown correctly in the problems window. The error messages are shown correctly in the CDT console window but they are corrupted in the problems window. e.g. Instead of this format: ..src\filename.c(5):M0523028:Rule 2.2: Source code shall only use /* ... */ style comments. Only the text "style comments" is displayed. When using the IAR RX toolchain it is possible to see the following warning.
4794	GDB	"warning: Loadable section "ROM32 ro" outside of ELF segments" Project build fails for workspaces having special characters. Such as \$ or #.
4795	Application	There are still limitations for certain characters in 3.0:
4835	Application	Projects that have linked resource files have these files imported as broken links while importing using the 'copy project into workspace' option.
4843	CCRX Build plugin	When using the CCRX toolchain the scan dependencies tool is not passed the " __RXV1" and " __RXV2" macros. Linked resources do not get resolved on exporting the project as "File system/Archive File".
4864	Application	Users will need to manually resolve the error by specifying the header file path present physically on the file system.
4900	Application	'Custom Tools' does not work correctly when the 'Inter-module' is specified at the 'Optimization for access to external variables' of compiler option.
4960	RX GCC build plugin	In 2.2 the pre-build commands were not executed as pre-build but after the other phases were executed. Now the pre-build commands are executed before the build commences some previous commands that assumed object files were available will now fail.
4971	Application	Build artifact modified in CCRX project is not persisted after conversion to GNURX. The build artifact will need to be manually modified following the CCRX to GCC conversion.
4973	Application	Pre-build and post-build steps are not persisted after conversion from CCRX projects to GNURX projects.

Open issues in 3.0.1.7

ID	Component	Description
5190	CCRX to GNURX Converter	.mot file is not generated while building release configuration for the converted project.
5171	CCRX to GNURX Converter	Section name ending with * is not mapped after conversion.
5162	CCRX to GNURX Converter	Optimization options are not mapped as expected when options are set on single file
5139	CubeSuite Importer	When CubeSuite+ project imports to e2 studio, Build can not perform sometimes. [Workaround] Please add the <root folder> to "C/C++ General -> Paths and Symbol -> Source Location"

5124	GCC Build Plugin	Dependency scanning is not working for assembler file. This is for CCRX and GCC build plugins.
5100	CubeSuite Importer	Folder level option is not converted correctly.
5083	RX GDB	If uint32_t is used as variable type for bit-field members, the values for the variables cannot be displayed in expressions windows ind GDB.
5063	Application	Active configuration can be lost while importing project (which is exported as file system).
5060	Coverage plugin	New code after a reload operation is shown as executed (RX).
5058	CCRX Build plugin	Files included in the Pre-include build options are not analyzed for the pre-processor statement in the editor. This can give the impression that code is not included in the build when it
5054	Coverage	Address Range Coverage for IECUBE does not correctly display coverage where the address range contains any region which contain non-code data or code which does not have a Code Generator can delete user code between /* Start */ End comments in some situations.
		Using the code generator if the following code is placed in the main function: <pre>/// //if (data_int!=0xAA){</pre> on a line by itself, all of the main code will be removed when Generate Code button is pressed.
5041	Code Generator plugin	The key issue is that the { brace is on the same line as the comment.
		When using the CCRX toolchain, variables placed at address 0x0000 are displayed as "no debug info" in GDB and variable type is lost.
5021	Application	For variable type unsigned char (section B. 1) and unsigned short (section B. 2).
5014	Application	CCRX to GNURX conversion: Custom tool added in CCRX project is not available in the converted GNURX project.
4976	CCRX Build plugin	When using the SHC compiler. Selecting "Absolute (SYSROF)" in [Linker][Output][Type of output file] does not work correctly.
		Parallel build is not enabled after conversion from CCRX project to GNURX project.
4972	Application	This can be switched on in the build configuration after conversion.
4948	Application	When source file is modified while debugging and the module rebuilt is downloaded via the 'module has changed' dialog. The module downloads correctly, the target is reset, but the e2 studio user interface does not show that PC has changed until a step is done.
4940	Application	A "Exception occurred during launch" message is displayed approximately 30 seconds after connecting to a target when using Hot Plug and using an image file.
4939	Trace plugin	In the Trace Acquisition dialog for the Renesas RX simulator, The Trace Output field is not necessary, it cannot be modified.
4881	CCRX Build plugin	When using CCRX if there are certain characters in the build path such as \$ in the workspace name it can cause the build to fail.
4876	Application	When debugging with RX, if the settings are in flash write mode, the debugger features should be disabled.
4869	Application	The "Memory" view always opened on launch of a debug session. It should not be re-opened on launch if it has been closed in the previous debug session.
		GDB considers PUSHC instruction to be part of the function prologue and it skips it. Inserting a break point at "function name" instead of function name solves the problem. (* tells GDB to start at the actual beginning of the function without skipping the prologue).
4857	GDB	
4833	Application	The clean functionality executes every time irrespective of whether the object file is present or not.
4826	CDT	CDT global build console is empty after Build All.
4825	Application	"Build selected file" does not work correctly when the assembler source file is selected.
4819	CCRX Build plugin	Individual compile is not execute when Level2 is specified at the "Perform inter-module optimization".
4813	HEW Project Converter	The simultaneous build setting is not setup when the project is imported from HEW. Please visit the C/C++ Build preferences and select the Behaviour tab.
		The option to Reset timer before each run, which is setup on the "Performance Analysis" dialog box is not reflected for RL78.
4783	Performance Analysis	The specification for RL78 is that the values are reset all of the time so the option has no meaning.
4698	GDB	A symbol address is not changed correctly at registering an Event Point for "Trace Start" and "Trace Stop" eventpoints with RL78. The right address is displayed in the Select Symbol dialog.
4665	Profile plugin	When a single address is specified as the filter for the profile plugin it does not work correctly. The addresses matching the filter are not displayed in the view.
4640	Application	When a program is compiled by inter-module optimization with the CCRX toolchain, the disassembly view cannot always display the disassembly instructions mixed with source code.
4634	Application	The "Log scale" check box in the real-time chart properties does not work. Setting the box as checked and clicking OK will reset it to 0.
4607	Event points plugin	When sub menu "Add Watchpoint" is performed from a Memory view, it seems to have been registered correctly in the Breakpoints view even if there is an error condition.
4597	Application	In some cases when a before PC eventpoint is set just after a break point, the program execution will not stop at the address the eventpoint is located at.
4579	RX GCC build plugin	All configuration changes are not saved on changing multiple configuration settings in one session for GCC tools. Specifically this is referring to multiple settings changes across multiple configurations and the clicking apply.
4550	Application	There is a problem in e2 studio that the .cproject file can be modified even when the settings for the project were not changed. This can be seen by entering the settings dialog and clicking apply directly after project creation. In addition there are issues in generic Eclipse in this area. For option comparison, comparing the makefile is the easiest way to ensure the project settings are identical.
4548	Application	When debugging with RX there are problems with setting breakpoints when the hardware breakpoint resources have been exhausted and the software breakpoint setting also fails. In this case the breakpoint appears to be valid but the debugger will not stop. This can often be seen when the option "Program re-writes internal Program ROM" is set to yes. As this means software breakpoints cannot be set.
4538	Static Analysis plugin	The static analysis plugin cannot jump to the source location of a specified static function.
4515	CCRX Build plugin	When building projects with CCRX that are in deep directory structures it is possible to experience build issues. e2 studio is unable to build projects which create command lines greater than 8191 characters.
4492	Application	The Module View of e2 studio does not display any information when an executable which includes debug information was downloaded to the target.
4450	Application	Linker section settings of Renesas toolchain are not getting saved for multiple configurations.
		For GCC RL78 there is a option Select Additional CPU Options" in the project generator with the following options: : None : Use Emulation for multiplication : Use RL78 native multiply for G14 : Use RL78 hardware multiply for G13
4445	Application	However, there are more device families which support the native or hardware multiply.
4422	Application	When debugging a project that has been imported but that has not been rebuilt you need to setup the debugger to look in the original source file location. This is done via the Source tab of the Debug Configurations dialog.
4397	Application	If the *.linker files in a project are read-only and the linker map is modified then no error is displayed or logged. But the changes are not saved.
4350	Application	When importing a project from CubeSuite+ to e2 studio the "toolchain version is changed" dialog is always displayed. This is because the version string in imported project file and the toolchain information in e2 studio does not match. Ignoring this dialog and continuing should result in a successful import.
4314	GDB Server SH	For the SH debugger the Debug Tool Settings -> Use User Stack option is not processed by the debugger. The setting is not used.

4312	Application	The current e2 studio build restricts the file types that can be used as input files. For example assembler input files only supports the following: .src .SRC Src
4303	RL78 GCC build plugin	When the project has a toolchain that does not match the path for the toolchain installed on the machine problems with build can occur. Workaround is to delete the 'org.eclipse.ocl.core.prefs' file from .settings folder and then import the project.
4300	Real-time Watch	Modifying the name of a variable in the Expressions window may cause a prompt asking if the new variable should be made real-time aware (even if the old one was not)
4280	Integration Server	The GetExpressionS function in the Integration Server will in some cases return an invalid string. Workaround is to use the ReadMemory call to get the raw data.
4213	RX GCC build plugin	It is not permitted to use the tool chain editor on the Settings pages to attempt a conversion from GCC to CCRX or CCRX to GCC. This conversion is not permitted and may stop your project working correctly.
4191	GDB server RX	When using Segger JLink, with the "Force Hardware Breakpoints" debug option enabled, adding more than the maximum amount of breakpoints for a device and then removing some can lead to none of the breakpoints firing. Workaround is to add a single breakpoint back in to trigger the reapply of all others.
4189	Application	It is not possible to build project which has more than 98 characters in its project name.
4176	CCRX Build plugin	The Renesas CCRX toolchain fails to build projects with the following conditions: a. Project name with multi-byte characters b. Project located in a path with multi-byte character c. Project contains file with multi-byte character
4129	Project Generation	FPU option is not set correctly for GNURX (RX200/RX100) executable project. "Disable generation of RX hardware FPU instructions" option should be checked and grayed out for RX200 and RX100. However this option is not checked and is not grayed out.
4116	Profile plugin	The loaded profile results in Profile View are shown on the right-hand side even when the View Loaded Data menu item is NOT selected.
4105	Application	When using GCC on Japanese Windows. If you create a new workspace on the desktop the default GCC projects fail to build correctly.
4104	Application	When the project is re-named. If the user then uses the feature project > Build Configurations > Build All. The active configuration builds successfully but subsequent configurations fail.
3992	Application	When importing projects from HEW into e2 studio when the files are read only, build errors occur following import. Ensure the files are writable.
3950	Application	Breakpoints cannot be unset within the editor when code is #if/def out. These breakpoints will need to be removed from the breakpoints plugin.
3945	Application	When importing a HEW project if it contains folders with the same name at the same hierarchy then not all the files will import successfully. i.e. "....\Workspace\Workspace\Developments\src\embOS\util\MEASUREMENT.c" "....\Workspace\Workspace\Developments\src\protocols\util\SerialUtil.c"
3932	Application	If e2 studio is installed into the desktop folder or the workspace is within the "My documents" area on Japanese operating systems, the object converter can fail to execute correctly. By default the e2 studio editor character code is set to UTF-8. This means it is possible to enter characters that are then not supported by default by the CCRX toolchain. CCRX default input is SJIS. To enable UTF-8 for the toolchain you must first select C99 support.
3928	CCRX Build plugin	
3867	Application	When the current configuration is set to a custom configuration created by the user. The configuration following an export and import into another workspace is not restored correctly. It is restored to HardwareDebug.
3847	Application	When using the display as array feature in the expressions window it appears that data can be skipped and is not updated.
3836	Application	Dependencies with file name that have spaces may cause dependency scanning issues. Where possible it is better to avoid using spaces in dependency file names.
3822	Event points plugin	'Delete All' is enabled in eventpoints window even when there is no eventpoints.
3815	GDB server RL78	Trace Record Eventpoints not working for IECube.
3813	Event points plugin	OA event break event points not breaking at correct addresses on SH7203 (External Flash) target.
3808	GDB server RX	When using 2 RX simulator debug configurations in parallel the debugger does not work correctly. Stepping and breaking does not work well.
3804	Application	The code generator is not automatically registered when installing into generic Eclipse. Browse to the CG plugin and then run the batch files that reside in the tools directory. e.g. C:\Renesas\e2_studio\eclipse\plugins\com.renesas.cg_1.0.0.201309061659\CodeGenerator\Tools
3798	Trace plugin	Creating a new trace file for E20 trace data takes a long time to complete due obtaining disassembly data for all the available records. During this period of obtaining disassembly data the debugger controls can become unresponsive.
3797	Trace plugin	Creating a new save file to save data will not display the job in the foreground. Overwriting an existing trace file will show the progress dialog in the foreground.
3795	Trace plugin	Saving RX Simulator trace data to the disk can take some time due to the number of records obtained from the server.
3754	Application	Trace Start and Stop eventpoints not being sent down to target in time. Making event point changes and then executing can result in them being missed the first time. To avoid this you can use the "Apply to Target" toolbar button in the eventpoints window.
3663	Application	With 2 targets connected, clicking between the two debug contexts in the Debug View will update the source addresses in the open Editor files. However changing debug context does not seem to get detected if clicking on the top-level of the debug context rather than on the lower level.
3657	Application	If e2 studio is installed into a directory where any segment of the file path contains a space then the memory map plugin information cannot be retrieved for any target.
3626	Application	Snapshot trace - adding IO register eventpoints increases the data shown in the trace view, but as they were removed there was no change in the data shown.
3625	Application	When using the Snapshot trace feature the data mask settings are not applied correctly.
3585	Application	The GDB server crashes when an E1 emulator is connected to a debug configuration configured for the Segger emulator.
3550	Application	Custom placeholders are not expanded when importing a project from HEW. This is currently expected behaviour but may be improved in a future version.
3526	Application	In some cases when using RX with the CCRX compiler the profile view does not display the source file name and path in the window.
3490	Real-time Watch	If a data type of a variable already displayed in the expressions view is updated, e.g. from char to long, after a re-build the expression view data type is not updated. However the data value is correct. Closing the debugger or e2studio does not clear the issue but clean does.
3472	Application	When changing the PC value in the registers window the PC display is not modified in the e2 studio editor. This is just a visual refresh issue. Stepping causes the views to update and step occurs from the new location.
3470	Application	When debugging with the RX210 the FPSW register is displayed on the register view. This should not be the case as the RX210 does not have the FPSW register.
3447	Application	Using the copy register functionality in the register window sometimes copies the incorrect register information to the clipboard.
3430	Application	Select all in the registers window does not work correctly. It only selects the visible registers. This is an issue in standard Eclipse Juno.
3412	Application	'Execute The User Program After Ending The Debugger' should not be enabled when the target is powered internally. This can cause the debugger to hang.
3410	GDB Server SH	SH2-70865A - clicking step-in when on the closing brace of a function will cause the server to run, but never respond again. The only option is to terminate.
3389	Application	When debugging files with the same name show source addresses even though it may not be correct for the file in question. The full file path is not considered just the filename and current debug context. This can lead to e2 studio showing addresses unnecessarily. The address of pointer type variable can not be modified in Expressions View. e.g. typedef int* PI; PI s_pi = &glb; In this case, address value of s_pi can not be modified in Expressions View.
3160	Application	
3077	Application	When using the RX Simulator. The "Failed to execute MI command:" error appears intermittently when stepping with RX simulator and showing local variables.

3054	Application	Real-time refresh will not update visually for a complete structure. The workaround is to monitor individual members of the structure.
3039	Application	When exporting a project that has external linked folders rather than files which are resident in a source directory they lose their directory structure in the exported archive. When importing back into e2 studio the files specified as the original relative path are then not found. This is a standard Eclipse issue and is the current specification.
2948	GDB server	Trace is not returning any records on first run from PowerON. Reset to main() with Segger J-Link.
2934	GDB server	When using Performance Timer Eventpoints with RX Simulator, eventpoints must be manually applied from the Eventpoints view before resuming.
2910	GDB	Registers do not display properly on SH2A 72691.
2881	GDB	Step over and step return do not work on SH2 70865.
2859	IAR plugins	When using IAR projects the SFR names (e.g. PIOR1 bit.no1) are not understood correctly in the editor.
2762	Application	When using assembly code within a C source file, Codan errors can be observed in the editor. Even though the project builds successfully.
2739	Application	e2studio editor typing profiles will be changed so that spaces are used instead of the Tab character to generate Renesas target device source code.
2735	Trace plugin	When using an IECUBE emulator saving large trace buffers can fail to complete.
2716	GDB server RL78	Before PC events on IECube temporarily hard coded limit of 4.
2696	Application	RL78 cannot step over empty for loop. HEW Importer, output file(.P/.PP) is not generated while building the project.
2693	Application	Workaround : User will need to select Settings -> Compiler -> Object -> output file type -> Pre-processed source file -> OK after importing the project and then build the project.
2671	GDB server	In e2studio for an application created by RL78 GNU compiler is the corresponding source code of RESET vector seem to be not found first and therefore a file with the info text 'No source available for "(gdb[12].proc[42000].threadGroup[1].gdb[12].proc[42000].OSthread[1].thread[1].frame[0] "' is displayed. Debugging can continue normally after this.
2667	GDB	When using a big endian target, areas of memory not covered by the download module are considered little endian. This causes problems when viewing disassembly and memory.
2657	Application	When importing a configuration from another project when building a "File not found" exception is shown when the user tries to import external linker file.
2651	Application	Library Template : Build fails when spaces are present for file or folder name.
2636	Application	Visiting build options and clicking on 'OK' rebuilds already built GNUSH executable/library c/c++ project.
2544	GDB	RX Simulator has max of 246 events (256 - 10 reserved for eventpoints). Set beyond this limit will return an error and the GUI displays a yellow warning triangle. However press resume (F8) and no existing BP's work and cannot suspend, just terminate. For the G13 IECube it supports one run/break timer. Currently e2 studio is setting the support to 3.
2537	Performance Analysis	
2486	Profile plugin	Acquiring profile results can take a very long time following RX Simulator debugging. Use of duplicate register is allowed for RXC project generation.
2416	Project Generation	1. Create RXC project 2. Go to RXC Global option page, select "ROM" -> "R8" 3. Select the same value for any other register (e.g. "RAM" -> "R8"), it gives error message and prevents the user from project creation. 4. Now select "R8" again for "RAM" register. It doesn't show any error message and allows user to create the project.
2390	RX GCC build plugin	Exception is generated when all sections are removed from Linker UI.
2299	RX GCC build plugin	It is possible for .c and .C files to be treated in the same manner in certain situations which is not correct. (.C extension is changed to .c during project build).
2193	GDB Server SH	Reload of code for SH devices with external flash does not work. Instead, disconnect and reconnect.
2161	Application	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.
2156	Application	When using the profile window, for SH72643, the 'execution time' and 'average execution time shows negative values for the first time only after which it runs normally.
2081	Application	After building a project if user changes anything in linker subcommand file option, only Obj/Copy is gets invoked. Linker should get invoked. Linker Section Editor - Need to conditional Enable / Disable the UI buttons.
2059	RX GCC build plugin	'Add button' is not disabled when user selects contents (Label, Expression or Keyword) inside the section. When user clicks on add button, when Label, Keyword or expression is selected, nothing gets added.
2044	Trace plugin	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 correctly there on.
2010	HEW Project Converter	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 directory. In Eclipse the files are output alongside the source file in the same directory.
1982	RX GCC build plugin	For Renesas CCRX the Converter phase gets invoked even when using the external linker subcommand option. This should not happen. This results in the following error message "The selected .hwp file overlaps the location of another project". See attached dialog.
1950	HEW Project Converter	This is because when the project is removed from the project tree the Eclipse projects are not physically removed. Deleting the Eclipse project files from the directory allows the operation to continue.
1936	Coverage plugin	When using the IECUBE for RL78 the source lines for coverage are not being highlighted correctly in some cases.
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.
1904	Profile plugin	Profile view: Go to source throws an exception if no file path is defined in profiler.
1891	Application	When an RX hardware debug session is executing the reset button can be operated but does nothing. In RL78 the debugger is reset correctly.
1889	Application	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 .s -> .src
1859	GDB server	Program execution stops inside a range when Range Exclusive is specified in the address settings for OA event points.
1846	HEW Project Converter	HEW Importer: Compiler > Warnings > Advance > Enable All check-box is not mapped.
1841	HEW Project Converter	All warnings checkboxes are checked as expected, however the 'Enable All' option is not checked. Importing HEW project generates warning in e2studio for 'src' directory.
1808	HEW Project Converter	Import a HEW RX project in e2studio using the HEW project importer. Check : Project > Properties > Compiler > Source > Include file directories. Paths are duplicated
1807	Trace plugin	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: Enable Bus mode on the trace view, disable source mode on the trace view, re-enable source mode and then disable Bus mode.

1801	Application	Debug configuration button does not show last configuration. The tooltip shows "Debug RX630E" but when the button is pressed "RX62T" is launched, and "RX62T" is the one at the head of the list also.
1790	Real-time Watch	Real-time expression settings are not saved when the application exits.
1778	Application	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.
1742	Debug Configuration	When setting this option ensure the limit (16 for RX devices) is not exceeded. When the project has been selected to use SH. The user is prompted to select the launch configuration on clicking 'run'. The launch configuration should be automatically selected correctly.
1645	Event points plugin	For the SH7216 target (and most likely other targets), when using the address conditions and associated mask, the boolean parameter (parameter 17) 'address mask compare type' is not being set to true.
1642	Application	Erase flash on start-up option on RL78 should be executed once. When e2studio connects successfully to RL78 target and erases the flash, this option should return to false, so that flashing is not done every time target is connected.
1640	Application	After creation a project cannot be deleted straight away. If the user waits around 30 seconds the project can then be deleted.
1616	RX GCC build plugin	The options of a Build Configuration were not correct after specifying Multiple Configurations... functionality.
1595	Application	Renaming a project using the right click menu in the project explorer causes its respective debug configuration to disappear.
1532	Application	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 subsequent modifications are not highlighted.
1531	Application	The edited value in Expressions window is not highlighted. The expressions are not updated in SR1 in the following circumstances: 1. When editing in-place within the expressions window. 2. Modifying the value of the expressions in the memory window. 3. When the target suspends and the views refresh. In each of these cases any expressions with modified values should be highlighted in yellow.
1523	HEW Project Converter	HEW import page is displayed even when user tries to import normal project (other than HEW project).
1486	Application	Breakpoint properties do not work when set in the CDT dialogs. For example using the filter operation and removing the breakpoint for the process being debugged.
1485	Application	The edited address value in Memory window does not highlighted in red but does update.
1460	Application	Project builds, but rx_converter.exe fails when on network drive.
1352	Application	GNU Linker section : Deleting section using delete button (keyboard) does not work.
1263	Application	RX200 CPU selection should not be supported for toolchains =< 1.00.01 for the CCRX Renesas toolchain. This toolchain does not support RX200
1065	Application	Build console arrows (Next and previous) does not work as expected. On selecting 'Next' arrow, the listed errors are not scanned/visited through.
987	Application	Exporting project if linker sections are modified and not saved generates an error. Resource not synchronized is the message.
935	GDB server	RL78 G14-2 only allows one Event Break eventpoint
934	Event points plugin	Eventpoints view toolbar label not updating for RL78 eventpoints.
930	GDB server	Unlimited number of Event Break eventpoints allowed on RL78 devices
909	Application	Selecting "Inhibit all warning messages" does not disable advanced warnings.
887	Trace plugin	Trace address filter end range value gets set to the start range after reopening dialog.
879	Trace plugin	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.
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.
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.
873	Debug Configuration	No Renesas GDB hardware launch shortcut for IAR & Green Hills plugins. Launch shortcut needs manual creation.
820	GDB server	Address mask not working for RL78. Program execution does not stop, expecting to see program execution stopping every time we access an address ending in e8.
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.
811	GDB server	Trigger Count not supported for RL78 but is still available in the Eventpoint View.
803	GDB server	RL78 program execution stopping on 'Equal' when 'Not Equal' is specified in the Compare Settings.
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.
785	Trace plugin	Bus mode records sometimes fail to update if rapid cycling through the available trace modes.
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.
628	Application	When instruction stepping into code, PC is sometimes not correctly placed.
567	Real-time Chart	When this happens the home button does not restore the PC location correctly. Clicking the current stack frame in the Renesas debug view does remedy the issue. It is not possible to edit series name in the real-time chart view.
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.
540	GDB server	When the refresh interval is <120 msecs the Real-time views are not updating. First observed in Real-time Expressions, but will probably affect Chart and Memory too. Increasing the refresh interval to 200 msecs is a workaround.
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. Browse (...) remaining disabled on Eventpoints view.
482	Event points plugin	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
480	Event points plugin	Unable to add eventpoints using the insert key.
478	Event points plugin	Clicking on column headers in Eventpoints view does not order entries.
475	GDB server RL78	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.
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.
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.

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.
301	Trace plugin	Trace buffer full functionality needs addition. New checkbox needs adding to the GUI.
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.
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.
40	Application	The message "Error: Unable to create variable object" is sometimes shown during debugging when stepping out of functions.
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.