

	TraceCompass-5.1.0												
Date:	2019/09/19												
Section	Content	To do	Pass	Fail	Total	Comments	Automated	Lock held by...	Manual Test Version				
1	Integration	0	18	0	18		0						
2	JUnit Tests	0	18	0	18		18						
3	TMF - Project View	0	149	0	149	With comments	103						
4	TMF - EventsEditor	0	25	0	25	With comments	11						
5	TMF - BookmarksView	0	17	0	17	With comments	2						
6	TMF - Filters View	0	12	0	12	With comments	12						
7	TMF - Colors View	0	6	0	6	With comments	6						
8	TMF - Histogram View	0	49	1	50	With comments	6						
9	TMF - Sequence Diagram	0	37	0	37	With comments	22						
10	TMF - Statistics View	0	17	0	17	With comments	7						
11	TMF - Time Chart View	0	26	0	26	With comments	1						
12	TMF - Custom Parsers	0	28	0	28	With comments	12						
13	TMF - State System Explorer	0	10	0	10		6						
14	TMF - Flame Chart View	0	24	0	24	With comments	14						
15	TMF - Remote Fetching	0	53	0	53		51						
16	LTTng 2.0 - Control Flow View	0	52	0	52	With comments	16						
17	LTTng 2.0 - Resources View	0	40	0	40	With comments	11						
18	LTTng 2.0 - Control View	0	131	0	131	With comments	118						
19	GDB Tracing	0	25	0	25	With comments	11						
20	Tracing RCP	0	33	0	33	With comments	0						
21	LTTng 2.0 - Memory Analysis	0	23	0	23	With comments	7						
22	LTTng 2.0 - CPU Analysis	0	27	0	27	With comments	5						
23	Trace Synchronization	0	13	0	13	With comments	0						
24	XML analysis	0	42	0	42		6						
25	Network Trace analysis	0	11	0	11	With comments	3						
26	Critical path	0	45	0	45	With comments	2						
27	LTTng 2.0 - I/O Analysis	0	20	1	21	With comments	5						
28	LTTng 2.0 - VM Analysis (moved to Incubator)	0	0	0	0	With comments	0						
29	LAMI	0	18	0	18	With comments	0						
30	Flame Graph	0	19	0	19	With comments	11						

31	Counters View	0	3	0	3		0			
	Total:	0	991	2	993		466		% remaining	0%
	New Bug Reports found	Open	Fixed	Total						
	Bug Reports	0	0	0						

#	Section	Pass	Fail	To Do	Comment
	Integration	18	0	0	0
Target:					
Step	Test Case	Action	Verification		Comment
1 Verify C/C++ EPP Package RC1					
1.1	Download EPP Package	Download, extract and start EPP package	EPP Package starts	Manual	Pass
1.2	Version of Tracing Features	Go to Help -> About Eclipse -> Installation Details	Verify that all tracing features and plug-ins are present and have the correct version (TMF, LTTng, CTF, GDBTrace, PCAP/PCAPNG)	Manual	Pass
1.3	TMF presence	Open Tracing perspective	Tracing perspective opens	Manual	Pass
1.4	LTTng presence	Open LTTng Kernel perspective	LTTng Kernel perspective	Manual	Pass
1.5	Network Tracepoint Analysis presence	Open GDB Trace perspective	GDB Tracepoint analysis perspective	Manual	Pass
1.6	2019-03 Update Site	Go to Help -> Install New Software... -> Update site "2019-03 - http://download.eclipse.org/staging/2019-03/"	Verify that all LTTng Kernel, LTTng UST and GDB	Manual	Pass
2 Verify C/C++ EPP Package RC2					
2.1	Download EPP Package	Download, extract and start EPP package. Check the m https://dev.eclipse.org/mailman/listinfo/epp-dev	EPP Package starts	Manual	Pass
2.2	Version of Tracing Features	Go to Help -> About Eclipse -> Installation Details	Verify that all tracing features and plug-ins are present and have the correct version (TMF, LTTng, CTF, GDBTrace, PCAP/PCAPNG)	Manual	Pass
2.3	TMF presence	Open Tracing perspective	Tracing perspective opens	Manual	Pass
2.4	LTTng presence	Open LTTng Kernel perspective	LTTng Kernel perspective	Manual	Pass
2.5	GDB Tracepoint Analysis presence	Open GDB Trace perspective	GDB Tracepoint analysis perspective	Manual	Pass
2.7	PCAP/PCAPNG presence	Open Network perspective	Network perspective opens	Manual	Pass
2.6	2019-03 Update Site	Go to Help -> Install New Software... -> Use the testing update site "2019-03 - http://download.eclipse.org/staging/2019-03/"	Verify that all LTTng Kernel, LTTng UST and GDB	Manual	Pass
3 Verify C/C++ EPP Package RC3					
3.1	Download EPP Package	Download, extract and start EPP package	EPP Package starts	Manual	N/A
3.2	Version of Tracing Features	Go to Help -> About Eclipse -> Installation Details	Verify that all tracing features and plug-ins are present and have the correct version (TMF, LTTng, CTF, GDBTrace)	Manual	N/A
3.3	TMF presence	Open Tracing perspective	Tracing perspective opens	Manual	N/A
3.4	LTTng presence	Open LTTng Kernel perspective	LTTng Kernel perspective	Manual	N/A
3.5	GDB Tracepoint Analysis presence	Open GDB Trace perspective	GDB Tracepoint analysis perspective	Manual	N/A
3.6	Network Tracepoint Analysis presence	Open Network Trace perspective	Network Tracepoint analysis perspective	Manual	N/A
3.6	2019-03 Update Site	Go to Help -> Install New Software... -> Use the testing update site "2019-03 - http://download.eclipse.org/staging/2019-03/"	Verify that all LTTng Kernel, LTTng UST and GDB	Manual	N/A
4 Verify C/C++ EPP Package RC4					
4.1	Download EPP Package	Download, extract and start EPP package	EPP Package starts	Manual	N/A
4.2	Version of Tracing Features	Go to Help -> About Eclipse -> Installation Details	Verify that all tracing features and plug-ins are present and have the correct version (TMF, LTTng Control, LTTng Kernel, LTTng UST, CTF, GDBTrace)	Manual	N/A

4.3	TMF presence	Open Tracing perspective	Tracing perspective opens	Manual	N/A	
4.4	LTTng presence	Open LTTng Kernel perspective	LTTng Kernel perspective	Manual	N/A	
4.5	GDB Tracepoint Analysis presence	Open GDB Trace perspective	GDB Tracepoint analysis perspective	Manual	N/A	
4.6	2019-03 Update Site	Go to Help -> Install New Software... -> Use the testing update site "2019-03 - http://download.eclipse.org/staging/2019-03/ "	Verify that all LTTng Kernel, LTTng UST and GDB	Manual	N/A	
5 Verify Update Site						
5.1	2019-03 Update Site	Download Eclipse for Committers and install LTTng Kernel, LTTng UST, GDBTrace and PCAP Network Analysis from main simrel testing Update site "2019-03 - http://download.eclipse.org/staging/2019-03/ "	Verify that installation was successful	Manual	Pass	
5.2	Trace Compass Update Site	Download Eclipse for Committers and install LTTng Kernel, LTTng Control, LTTng UST, GDBTrace and PCAP Network Analysis from the Linux Tools Update site http://download.eclipse.org/tracecompass/photon/milestones	Verify that installation was successful	Manual	Pass	
5.3	Upgrade using 2019-03 Update Site	Download Eclipse for Committers from Photon.0 and install LTTng, LTTng Kernel, GDBTrace and PCAP Network Analysis from main simrel Update site. http://download.eclipse.org/releases/photon Try to update the installation using the testing simrel update site. http://download.eclipse.org/staging/2019-03/	Verify that installation was successful	Manual	Pass	
5.4	Upgrade using Trace Compass Update Site	Download Eclipse for Committers from Photon.0 and install LTTng, LTTng Kernel, LTTng UST, GDBTrace and PCAP Network Analysis from the Trace Compass release Update site. http://download.eclipse.org/tracecompass/releases/4.3.0/repository Try to update the installation using the Trace Compass update site http://download.eclipse.org/tracecompass/photon/milestones	Verify that installation was successful	Manual	Pass	
5.5	Upgrade from previous EPP	Download Eclipse previous C/C++ EPP package. Try to upgrade using both update sites: (TODO find correct job: https://hudson.eclipse.org/packaging/job/luna.epp-tycho-build/128/artifact/org.eclipse.epp.packages/archive/repository/) "Mars - http://download.eclipse.org/releases/maintenance " The information about the update sites to use is usually posted on epp-dev	Verify that installation was successful	Manual	Pass	
6 Verify Update Site Release outside release train						
6.1	Trace Compass update site	Download Eclipse standard and install LTTng Kernel, LTTng UST, GDBTrace and PCAP Network Analysis from main Update site: http://download.eclipse.org/tracecompass/	Verify that installation was successful	Manual	N/A	
6.2	Upgrade using Trace Compass update site	Download Eclipse standard from Photon SR0 and install LTTng, LTTng Kernel, LTTng UST, GDBTrace and PCAP Network Analysis from the Trace Compass update site: http://download.eclipse.org/tracecompass/stable/repository/	Verify that installation was successful	Manual	N/A	

Section		Pass	Fail	To Do	Comment
JUnit Tests		18	0	0	0
Target: Ubuntu 12.04 64 bit and on Hudson					
Step	Test Case	Action	Verification		Comment
1 Junit Test Cases					
1.1	CTF Core Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.2	CTF Parser Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.3	State System Core Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.4	TMF Core Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.5	TMF UI Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.6	TMF UI SWTBot Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.7	CTF Support for TMF SWTBot Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.8	TMF Xml Analysis Core Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.9	TMF Xml Analysis UI Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.10	LTTng Control Core Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.11	LTTng Control UI Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.12	LTTng Kernel Analysis Core Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.13	LTTng Kernel Analysis UI Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.14	LTTng Kernel UI SWTBot Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.15	LTTng Userspace Tracer Analysis Core Test Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.16	LTTng Userspace Tracer Analysis UI Test Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.17	GDB Tracepoint Analysis Core Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.18	GDB Tracepoint Analysis UI Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	

Section	Pass	Fail	Type	To Do	Comment	
TMF - Histogram View	49	1	6	0	8	
Target:						
Step	Test Case	Action	Verification	Type	Pass/Fail	Comment
1	Preparation					
1.1	Step 1	Open and reset LTTng Kernel perspective	LTTng Kernel perspective opens with correct views	SWTBot	Pass	
1.2	Step 2	Open an LTTng trace	Views are populated	SWTBot	Pass	
2	Manage View					
2.1	Close view	Close the Histogram View	Histogram View is removed from perspective	SWTBot	Pass	84710
2.2	Open view	Window > Show View > Tracing > Histogram	Histogram View is displayed and re-populated	SWTBot	Pass	84710
2.3	Resize	Resize the Histogram View width-wise	Histograms are compressed/decompressed without loss	SWTBot	Pass	Tested with HistogramDataModelTest
3	Full Trace Histogram					
3.1	Single selection	Select timestamp with left-click	Selection Start/End + blue bars are updated	Manual	Pass	
3.2	Range selection	Select time range with shift-left-click, shift-left-drag or left-drag	Selection Start/End + blue bars are updated	Manual	Pass	
3.3	Drag zoom window	Drag the zoom window left/right with ctrl-left-drag or middle-drag	Zoom window is dragged, won't go beyond full range	Manual	Pass	
3.4	Move zoom window	Move the zoom window with ctrl-left-click or middle-click	Zoom window is centered on click, won't go beyond full range	Manual	Pass	
3.5	Set zoom window	Set a new zoom window with right-drag	Zoom window is set, Window Span is updated, won't go beyond histogram range	Manual	Pass	
3.6	Zoom in/out	Zoom in/out with mouse wheel up/down	Zoom window is updated, Window Span is updated, won't go below 2 ns, won't exceed full trace range	Manual	Pass	
3.7	Arrow keys	Move the current event using left/right arrow keys	Selection (blue bar) moves to the previous/next non-empty bucket	Manual	Pass	
3.8	Home/End keys	Press Home/End key	Selection Start/End moves to beginning/end of trace (i.e. start time of last bucket is selected)	Manual	Pass	End key goes to first event of last pixel
3.9	Lost events	With a trace containing lost events, click the "Hide lost events" toolbar icon. Click it again.	The lost events (red bars) are toggled on and off.	Manual	Pass	
3.10	Zoom in/out (key)	Zoom in/out with +/- key	Zoom window is updated, Window Span is updated, won't go below 2 ns, won't exceed full trace range	Manual	Pass	
4	Time Range Histogram					
4.1	Single selection	Select timestamp with left-click	Selection Start/End + blue bars are updated	Manual	Pass	
4.2	Range selection	Select time range with shift-left-click, shift-left-drag or left-drag	Selection Start/End + blue bars are updated	Manual	Pass	
4.3	Drag zoom window	Drag the zoom window left/right with ctrl-left-drag or middle-drag	Zoom window is dragged, won't go beyond full range	Manual	Pass	
4.4	Zoom in/out	Zoom in/out with mouse wheel up/down	Zoom window is updated, Window Span is updated, won't go below 2 ns, won't exceed full trace range	Manual	Pass	
4.5	Arrow keys	Move the current event using left/right arrow keys	Selection (blue bar) moves to the previous/next non-empty bucket	Manual	Pass	Won't exceed zoom window
4.6	Home/End keys	Press Home/End key	Selection Start/End moves to beginning/end of time range (i.e. start time of last bucket is selected)	Manual	Pass	

4.7	Lost events	With a trace containing lost events, click the "Hide lost events" toolbar icon. Click it again.	The lost events (red bars) are toggled on and off.	Manual	Pass			
3.10	Zoom in/out (key)	Zoom in/out with +/- key	Zoom window is updated, Window Span is updated, won't go below 2 ns, won't exceed full trace range	Manual	Pass			
5 Selection Start/End								
5.1	Set selection start	Enter a TS within the full range in Selection Start widget	Selection Start + blue bars are updated	Manual	Pass	When TS is higher than selection end, those two values are switched so Selection Start < Selection End		
5.2	Set selection end	Enter a TS within the full range in Selection End widget	Selection End + blue bars are updated	Manual	Pass	When TS is lower than selection start, those two values are switched so Selection Start < Selection End		
5.3	Set selection (linked)	Select the link icon. Enter a TS within the full range in Selection Start widget	Selection Start/End + blue bars are updated	Manual	Pass			
5.4	Set invalid selection start	Enter a TS before the full range start in Selection Start widget	Selection Start + blue bar set to first event	Manual	Pass			
5.5	Set invalid selection end	Enter a TS after the full range end in Selection End widget	Selection End + blue bar set to last event	Manual	Pass			
6 Window Span								
6.1	Set window span	Enter a span in Window Span widget	Both Histograms are updated accordingly	Manual	Pass			
6.2	Set large window span	Enter an invalid span (too large) in Window Span widget	Span set to full range	Manual	Pass			
6.3	Set invalid window span	Enter an invalid span (too small, negative, not a number) in Window Span widget	Span set to previous value	Manual	Fail	Span of 0.000 000 001 works, even though the minimum value should be 0.000 000 002		
7 Selected Timestamp Synchronization								
7.1	Time Range mouse synchronization	Click on the time range histogram. The time of the bucket at the mouse position is selected.	Other views are synchronized to the selected time	Manual	Pass			
7.2	Full Trace mouse synchronization	Click on the full trace histogram. The time of the bucket at the mouse position is selected.	Other views are synchronized to the selected time	Manual	Pass			
7.3	Selection synchronization (linked)	Select the link icon. Enter a time within the full range in Selection Start widget	Other views are synchronized to the selected time	Manual	Pass			
7.4	External synchronization	In any other view that supports time synchronization, select a time.	Selection Start/End + blue bars in both histograms are updated to the selected time	Manual	Pass			
8 Selected Time Range Synchronization								
8.1	Time Range mouse synchronization	Select a time range in the small histogram (shift-left click, left-drag or shift-left drag).	Verify that the selected time range shows in both histograms, and in other views.	Manual	Pass			
8.2	Full Trace mouse synchronization	Select a time range in the full histogram (shift-left click, left-drag, shift-left drag).	Verify that the selected time range shows in both histograms, and in other views.	Manual	Pass			
8.3	Selection Start/End synchronization	Enter a time within the full range in Selection Start/End widget	Other views are synchronized to the selected time range	Manual	Pass			
8.4	External synchronization	In any other view that supports time range synchronization, select a time range.	Selection Start/End + blue bars in both histograms are updated to the selected time range	Manual	Pass			
9 Zoom Window synchronization								
9.1	Time Range mouse synchronization	Select a zoom window in the small histogram (ctrl-left drag, middle-drag, right-drag, mouse wheel up/down).	Other views are synchronized to the new range	Manual	Pass			
9.2	Full Trace mouse synchronization	Select a zoom window in the full histogram (ctrl-left drag, middle-click, middle-drag, right-drag, mouse wheel up/down).	Other views are synchronized to the new range	Manual	Pass			
9.3	Window Span synchronization	Enter a new span in Window Span widget	Other views are synchronized to the new range	Manual	Pass			
9.4	External synchronization	In any other view that supports range synchronization, select a new zoom window.	Window Span and both histograms are updated to the new range	Manual	Pass			

10 Multiple Trace Synchronization							
	Preparation	1) Download traces.zip (if necessary) and unzip into a local directory \${local} 2) Import kernel trace \${local}/traces/import/kernel-overlap-testing 3) Import UST \${local}/traces/import/trace ust-overlap-testing 4) Create experiment with trace of 2) in it					
10.1	Open multiple traces (no overlap)	Open multiple traces that don't overlap in time	View shows the last opened trace	Manual	Pass		
10.2	Change selected time and range (no overlap)	Select a time and new range	Selection Start/End, Window Span and both histograms are updated to selected time and new range.	Manual	Pass		
10.3	Open multiple traces (overlap)	- Open multiple traces that overlap in time - For both traces, in Events table right mouse-click -> Follow time updates from other traces	View shows the last opened trace	Manual	Pass		
10.4	Change selected time and range (overlap)	Select a time and new range	Selection Start/End, Window Span and both histograms are updated to selected time and new range.	Manual	Pass		
10.5	Select other trace (overlap)	Select different trace by clicking its editor tab	View is updated to show selected trace. Selection Start/End, Window Span and both histograms are set to the newly selected time and range.	Manual	Pass		
10.6	Trace coloring	With an experiment containing multiple traces opened, click the "Activate trace coloring" toolbar icon. Click it again.	The colors in both Histograms and toggled on and off. When it is toggled off, the legend disappears at the bottom and only one color is used for non-lost events.	Manual	Pass		
10.7	Close all traces	Close all trace editor tabs	View is cleared.	SWTBot	Pass		

Section	Pass	Fail	Type	To Do	Comment
TMF - Project View	149	0	103	0	16
Target: Ubuntu 18.04 64 bit					
Step	Test Case	Action	Verification		Comment
1 Preparation					
1.1	Step 1	Open LTTng Kernel perspective	LTTng perspective opens with correct views	Manual	Pass
1.2	Step 2	Open Navigator View (used for independent verification)	Navigator View opens	SWTBot	Pass
2 Project Creation					
2.1	New Project Wizard	Open New Tracing Project Wizard	Tracing Project Wizard opens	SWTBot	Pass
2.2	Create project	Specify a project name and finish	Tracing project appears in Project Explorer/Navigator	SWTBot	Pass
2.3	Project structure	Open the new Tracing project	Project contains Experiments and Traces folders	SWTBot	Pass
3 Traces Folder					
		1) Download traces.zip (if necessary) and unzip into a local directory \${local} 2) Import Custom Text and XML parsers (ExampleCustomXmlParser.xml, ExampleCustomTxtParser.xml) from directory traces/customParsers into your workspace from the Manage Custom Parsers dialog.			
	Preparation			SWTBot	Pass
3.1	Traces Folder menu	Select the Traces folder and open its context menu	Correct menu opens (Import, Refresh)	SWTBot	Pass
3.2	Trace Import Wizard	Select Import	Trace Import Wizard appears	SWTBot	Pass
3.3	Import single custom text trace (link to workspace)	1) Browse to directory \${local}/traces/import/ 2) Select trace ExampleCustomTxt.log 3) Keep <Auto Detection>, Select "Import unrecognized traces", unselect "Overwrite existing without warning" and select "Create Links to workspace" and 4) press Finish	Imported trace appear in Traces Folder and the Trace Type Tmf Generic is set. Make sure trace can be opened	SWTBot	Pass
3.4	Import Single custom XML trace (link to workspace)	redo 3.1-3.3 but this time select ExampleCustomXml.xml	Imported trace appear in Traces Folder and the Trace Type "Custom XML.log" is set. Make sure that trace can be opened	SWTBot	Pass
3.5	Import LTTng Kernel CTF trace (link to workspace)	redo 3.1-3.3 but this time select directory kernel-overlap-testing/	Imported trace appear in Traces Folder and the Trace Type "LTTng Kernel" is set. Make sure that trace can be opened	SWTBot	Pass
3.6	Rename + copy import	redo 3.3, 3.4, 3.5. However, Unselect "Create Links to workspace" When dialog box appear select Rename	Traces are imported with new name that has a suffix (2) at the end. Make sure that imported traces are copied to the project.	SWTBot	Pass
3.7	Overwrite + copy import	redo 3.3, 3.4, 3.5. However, Unselect "Create Links to workspace" When dialog box appear select Overwrite	Existing traces are deleted and new traces are imported. Make sure that imported traces are copied to the project and can be opened	SWTBot	Pass
3.8	Skip	redo 3.3, 3.4, 3.5. However, Unselect "Create Links to workspace" When dialog box appear select Skip	Make sure that no new trace is imported	SWTBot	Pass
3.9	Default overwrite	redo 3.3, 3.4, 3.5. However, Unselect "Create Links to workspace" and select "Overwrite existing without warning"	Make sure that no dialog box appears (for renaming, overwriting, skipping) and existing traces are overwritten. Make sure trace can be opened	SWTBot	Pass
3.10	Import unrecognized	1) Open Import wizard (see 3.1-3.2) 2) Browse to directory \${local}/traces/import 3) Select trace unrecognized.log 4) Keep <Auto Detection>, Select "Import unrecognized traces", unselect "Overwrite existing without warning" and select "Create Links to workspace" and 5) press Finish	unrecognized.log is imported with trace type unknown. The default text file icon is displayed. The trace, when opened, is displayed in the text editor.	SWTBot	Pass
3.11	Import unrecognized (ignore)	redo 3.10, however unselect "Import unrecognized traces"	unrecognized.log is not imported	SWTBot	Pass

	Preparation	Delete all traces in project - Right mouse click on Traces folder and select "Clear"		SWTBot	Pass					
3.12	Import CTF trace by selection metadata file only	Redo 3.5, However only select metadata file instead of directory trace	Imported trace appear in Traces Folder and the Trace Type "LTing Kernel" is set. Make sure that trace can be opened	SWTBot	Pass					
	Preparation	Delete all traces in project								
3.13	Recursive import with auto-detection (Rename All)	1) Open Import wizard (see 3.1-3.2) 2) Browse to directory \${local}/traces/import 3) select directory import 4) Keep <Auto Detection>, Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure" 5) press Finish 6) When dialog appears select "Rename All"	All Traces are imported with respective trace type set. Traces with name clashes are imported with suffix (2). 1 trace (unrecognized.log) is imported with trace type unknown. Make sure that traces can be opened which have a trace type set. The unknown trace type should open with the text editor.	SWTBot	Pass					
	Preparation	Delete all traces in project								
3.14	Recursive import with auto-detection (Overwrite All)	1) Open Import wizard (see 3.1-3.2) 2) Browse to directory \${local}/traces/import/ 3) select directory import 4) Keep <Auto Detection>, Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure" 5) press Finish 6) When dialog appears select Overwrite All"	All Traces are imported with respective trace type set. Traces with name clashes are overwritten . 1 trace (unrecognized.log) is imported with trace type unknown. Make sure that traces can be opened which have a trace type set. The unknown trace type should open with the text editor.	SWTBot	Pass					
	Preparation	Delete all traces in project								
3.15	Recursive import with auto-detection (Skip All)	1) Open Import wizard (see 3.1-3.2) 2) Browse to directory \${local}/traces/import/ 3) select directory import 4) Keep <Auto Detection>, Select "Import unrecognized traces", unselect "Overwrite existing without warning" and select "Create Links to workspace" and uncheck "preserve folder structure" 5) press Finish 6) When dialog appears select Skip All"	All Traces are imported with respective trace type set. Traces with name clashes are not imported. 1 trace (unrecognized.log) is imported with trace type unknown. The unknown trace type should open with the text editor.	SWTBot	Pass					
	Preparation	Delete all traces in project								
3.16	Recursive import with auto-detection (test rename, overwrite and skip)	1) Open Import wizard (see 3.1-3.2) 2) Browse to directory \${local}/traces/import/ 3) select directory import 4) Keep <Auto Detection>, Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure" 5) press Finish 6) When dialog appears select "Rename" 7) When dialog appears select "Overwrite" 8) When dialog appears select "Skip"	All Traces are imported with respective trace type set. Traces with name clashes are either renamed, overwritten or skipped as per dialog action. Make sure that traces can be opened which have trace type set. The unknown trace type should open with the text editor.	SWTBot	Pass					
	Preparation	Delete all traces in project								
3.17	Recursive import with specific trace type 1 (Skip All)	1) Open Import wizard 2) Browse to directory \${local}/traces/import/ 3) select directory import 4) Select trace type "Generic CTF Trace", Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure" and 5) press Finish 6) When dialog appears select Skip All"	After selecting trace type, verify that button "Import unrecognized traces" is disabled. 4 CTF traces are imported with trace type "Generic CTF Trace". Make sure that these traces can be opened	SWTBot	Pass					
	Preparation	Delete all traces in project								
3.18	Recursive import with specific trace type 2 (Skip All)	1) Open Import wizard (see 3.1-3.2) 2) Browse to directory \${local}/traces/import/ 3) select directory import 4) Select trace type "LTing Kernel Trace", Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure" 5) press Finish 6) When dialog appears select Skip All"	After selecting trace type, verify that button "Import unrecognized traces" is disabled. One LTing Kernel trace is imported with trace type "LTing Kernel Trace". Make sure that this trace can be opened.	SWTBot	Pass					
	Preparation	Delete all traces in project								

3.19	Recursive import with specific trace type 3 (Skip All)	<p>1) Open Import wizard 2) Browse to directory \${local}/traces/import/ 3) select directory import 4) Select trace type "LTng UST Trace", Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure" 5) press Finish 6) When dialog appears select Skip All"</p>	<p>After selecting trace type, verify that button "Import unrecognized traces" is disabled.</p> <p>3 LTng UST traces are imported with trace type "LTng UST Trace". Make sure that these traces can be opened.</p>	SWTBot	Pass						
Preparation		Delete all traces in project									
3.20	Recursive import with specific trace type 4 (Skip All)	<p>1) Open Import wizard (see 3.1-3.2) 2) Browse to directory \${local}/traces/import/ 3) select directory import 4) Select trace type "Tmf Generic", Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure" 5) press Finish 6) When dialog appears select Skip All"</p>	<p>All text files in directories are imported as trace and trace type "Tmf Generic" is set. Note that trace type validation only checks for file exists and that file is not a directory. Make sure that these traces can be opened. However traces with wrong trace type won't show any events in the table.</p>	SWTBot	Pass						
Preparation		Delete all traces in project									
3.21	Import wizard from workbench menu with project selected	<p>1) Select project "Test" in Project Explorer view 2) Open import wizard from menu File > Import... > Tracing > Trace Import 3) Browse to directory \${local}/traces/import/ 4) Select trace ExampleCustomTxt.log 5) Keep <Auto Detection>, select "Create Links to workspace" and 6) press Finish</p>	<p>Verify that trace is imported to "Test" project and can be opened.</p>	SWTBot	Pass						
3.22	Import wizard from workbench menu with no project selected	<p>1) Clear selection in Project Explorer view 2) Open import wizard from menu File > Import... > Tracing > Trace Import 3) Browse to directory \${local}/traces/import/ 4) Select trace ExampleCustomTxt.log 5) Keep <Auto Detection>, select "Create Links to workspace" and 6) press Finish</p>	<p>Verify that trace is imported to default "Tracing" project and can be opened.</p>	SWTBot	Pass						
Preparation		Delete all traces in project									
3.23	Drag and Drop from other Tracing	D&D a few LTng traces from another Tracing project's Traces folder	<p>Selected traces are added to the Traces folder with proper icon. Trace can be opened.</p>	Manual	Pass						
3.24	Drag and Drop from non-Tracing	D&D a few files from a non-Tracing project	<p>Selected traces are added to the Traces folder with default icon. Files can be opened with the default editor.</p>	Manual	Pass						
3.25	Drag and Drop from external	D&D a few files from an external file manager	<p>Selected traces are added to the Traces folder with default icon. For actual traces Trace type is detected automatically. Trace can be opened. For non traces the files are added with default icon and they can be opened with the default editor.</p>	Manual	Pass						
3.26	Drag and Drop of trace with existing name	<p>1) D&D a trace with name of an existing trace into traces folder 2) Confirm the renaming of traces</p>	<p>Verify that trace is added into the traces folder with the trace name of the original trace plus a suffix 2</p>	Manual	Pass						
3.27	Drag and Drop of trace with existing name (2nd time)	Redo test 3.26 with the same trace and same destination folder	<p>Verify that trace is added into the traces folder with the trace name of the original trace plus a suffix 3</p>	Manual	Pass						
3.28	Import destination	Open Import wizard	<p>Verify that "Into Folder" text box cannot be updated</p>	Manual	Pass						
Preparation		Delete all traces in project									
3.29	Recursive import with preserved folder structure	<p>1) Open Import wizard (see 3.1-3.2) 2) Browse to directory \${local}/traces/import/ 3) select directory import 4) Select trace type "Tmf Generic", unselect "Overwrite existing without warning", select "Create Links to workspace" and select "Preserve Folder Structure" 5) press Finish</p>	<p>All Traces are imported with respective trace type set. The folder "clashes" is imported with its traces inside. Make sure that traces can be opened which have a trace type set.</p>	SWTBot	Pass						

3.30	Recursive import with preserved folder structure (Skip All)	<ol style="list-style-type: none"> 1) Open Import wizard (see 3.1-3.2) 2) Browse to directory \$(local)/traces/import/ 3) select directory import 4) Select trace type "Tmf Generic", unselect "Overwrite existing without warning", select "Create Links to workspace" and select "Preserve Folder Structure" 5) press Finish 6) When dialog appears select "Skip All" 	The wizard should finish quickly as no trace will be imported. Make sure that traces can be opened which have a trace type set.	SWTBot	Pass						
3.31	Recursive import with preserved folder structure (Rename All)	<ol style="list-style-type: none"> 1) Open Import wizard (see 3.1-3.2) 2) Browse to directory \$(local)/traces/import/ 3) select directory import 4) Select trace type "Tmf Generic", unselect "Overwrite existing without warning", select "Create Links to workspace" and select "Preserve Folder Structure" 5) press Finish 6) When dialog appears select "Rename All" 	All Traces are imported with respective trace type set with suffix (2). The folder "clashes" is imported with its traces inside. Make sure that traces can be opened which have a trace type set.	SWTBot	Pass						
Preparation		Delete all traces in project									
3.32	Delete with mixed selection of traces and folders	<ol style="list-style-type: none"> 1) Create two trace folders under the "Traces" folder 2) Import 2 traces under each folder 3) Open all 4 traces 4) Select one trace in the first folder and the second folder in the Project Explorer view 5) Right-click, Delete. Click Yes. 	A dialog should ask the user to confirm deletion of the selected elements. Clicking OK should remove all that was selected. The editor of the 3 deleted traces should be closed automatically with one remaining editor opened.	SWTBot	Pass						
3.33	Delete multiple folders	<ol style="list-style-type: none"> 1) Create 2 trace folders under the "Traces" folder 2) Import a trace under each folder 3) Open both traces 4) Select both folders in the Project Explorer view 5) Right-click, Delete. Click Yes 	A dialog should ask the user to confirm deletion of the selected elements. Clicking OK should remove all that was selected. The editor of both traces should be closed automatically.	SWTBot	Pass						
3.34	Clear single Traces folder	<ol style="list-style-type: none"> 1) Import 2 traces from different folders preserving folder structure 2) Open both traces. 3) Select the Traces folder 4) Right-click, Clear. Click Yes. 	A dialog should ask the user to confirm clearing of the folder. Clicking Yes should remove everything under the selected folder and close the traces	SWTBot	Pass						
3.35	Clear multiple Traces folder	<ol style="list-style-type: none"> 1) Import 2 traces to different projects 2) Open both traces. 3) Select both Traces folders 4) Right-click, Clear. Click Yes. 	A dialog should ask the user to confirm clearing of the folders. Clicking Yes should remove everything under the selected folders and close the traces	SWTBot	Pass						
Preparation		Delete all traces in project									
3.36	Import from zip archive, preserve folder structure	<ol style="list-style-type: none"> 1) Open Import wizard (see 3.1-3.2) 2) Select archive file: traces.zip 3) select directory the root directory 4) Select trace type "Automatic", unselect "Overwrite existing without warning" and select "Preserve Folder Structure" 5) press Finish 	All the files get imported under their respective folders. The CTF traces can be opened (kernel-overlap-testing, simple_server...)	SWTBot	Pass						
Preparation		Delete all traces in project									
3.37	Import from zip archive, no preserve folder structure	<ol style="list-style-type: none"> 1) Open Import wizard (see 3.1-3.2) 2) Select archive file: traces.zip 3) select directory the root directory 4) Select trace type "Automatic", unselect "Overwrite existing without warning" and unselect "Preserve Folder Structure" 5) press Finish 6) Select Rename All when dialog comes up. 	All traces are imported with trace type set. The traces from folder "clashes" are renamed with suffix (2). Make sure that the traces can be opened	SWTBot	Pass						
Preparation		Delete all traces in project									
3.38	Import from zip archive specific traces	<ol style="list-style-type: none"> 1) Open Import wizard (see 3.1-3.2) 2) Select archive file: traces.zip 3) select file "z-clashes/ExampleCustomTxt.txt" and folder "kernel-overlap-testing" 4) Select trace type "Automatic", and select "Preserve Folder Structure" 5) press Finish 	The specified traces are imported with trace type set. Make sure that the traces can be opened.	SWTBot	Pass						
Preparation		Delete all traces in project									

3.39	Import from tar.gz archive, preserve folder structure	1) Open Import wizard (see 3.1-3.2) 2) Select archive file: traces.tar.gz 3) select directory the root directory 4) Select trace type "Automatic", unselect "Overwrite existing without warning" and select "Preserve Folder Structure" 5) press Finish	All the files get imported under their respective folders. The CTF traces can be opened (kernel-overlap-testing, simple_server...)	SWTBot	Pass				
Preparation		Delete all traces in project							
3.40	Import from tar.gz archive, no preserve folder structure	1) Open Import wizard (see 3.1-3.2) 2) Select archive file: traces.tar.gz 3) select directory the root directory 4) Select trace type "Automatic", unselect "Overwrite existing without warning" and unselect "Preserve Folder Structure" 5) press Finish 6) Select Rename All when dialog comes up.	All traces are imported with trace type set. The traces from folder "clashes" are renamed with suffix (2). Make sure that the traces can be opened	SWTBot	Pass				
Preparation		Delete all traces in project							
3.41	Import from tar.gz archive specific traces	1) Open Import wizard (see 3.1-3.2) 2) Select archive file: traces.tar.gz 3) select file "z-clashes/ExampleCustomTxt.txt" and folder "kernel-overlap-testing" 4) Select trace type "Automatic", and select "Preserve Folder Structure" 5) press Finish	The specified traces are imported with trace type set. Make sure that the traces can be opened.	SWTBot	Pass				
4 Trace									
4.1	Trace menu	Select an LTTng trace and open its context menu	Correct menu opens (Open, Copy, Rename, ...)	SWTBot	Pass				
4.2	Open trace	Select the Open menu	Trace is opened and views are populated	SWTBot	Pass				
4.3	Copy trace	Select the Copy menu and provide a new name. Open.	Trace is replicated under the new name	SWTBot	Pass				
4.4	Rename trace	Select the Rename menu and provide a new name. Reopen.	Trace is renamed. The trace editor is closed.	SWTBot	Pass				
4.5	Delete trace	Select the Delete menu and confirm deletion	Trace is deleted. The trace editor is closed.	SWTBot	Pass				
4.6	Open Trace (Accelerator)	Select trace and press Enter	Trace is opened	SWTBot	Pass	Numpad-enter doesn't work			
4.7	Delete Trace (Accelerator)	Select trace and press Delete and confirm deletion	Trace is deleted. The trace editor is closed.	SWTBot	Pass				
4.8	Open Trace (double click)	Double-click a trace	Trace is opened	SWTBot	Pass				
4.9	Open Trace (already open)	Open two traces. Open the first trace again.	The first trace editor is simply brought to front.	SWTBot	Pass				
5 Experiments Folder									
5.1	Experiments menu	Select the Experiments folder and open its context menu	Correct menu opens (New, Import XML Analysis, Refresh)	RCPTT	Pass	Loic Import XML Analysis renamed "Manage XML Analysis"			
5.2	Create experiment	Select the New menu and provide experiment name	Experiment appears under folder, no traces yet	RCPTT	Pass				
6 Experiment									
6.1	Experiment menu	Select an experiment and open its context menu	Correct menu opens (Select, Open, Copy, Rename, ...)	RCPTT	Pass				
6.2	Select Traces dialog	Select the Select Traces menu	Select Traces dialog is open and populated w/ traces	RCPTT	Pass				
6.3	Select traces	Select a few LTTng traces and finish	Selected traces are imported in the experiment	RCPTT	Pass				
6.4	Open experiment	Select the Open menu	Experiment is opened and views are populated	Manual	Pass		Automation Candidate		
6.5	Copy experiment	Select the Copy menu and provide a new name. Open.	Experiment is replicated under the new name	RCPTT	Pass				
6.6	Rename experiment	Select the Rename menu and provide a new name. Open.	Experiment is renamed	RCPTT	Pass				
6.7	Delete experiment	Select the Delete menu and confirm deletion	Experiment is deleted	RCPTT	Pass				
6.8	Open Experiment (Accelerator)	Select an Experiment and press Enter	Experiment is opened	RCPTT	Pass	Numpad-enter doesn't work			
6.9	Delete Experiment (Accelerator)	Select an Experiment and press Delete and confirm deletion	Experiment is deleted	RCPTT	Pass				
6.10	Delete Experiment (open experiment)	Open an experiment, select experiment and press Delete and confirm deletion	Experiment is closed and deleted	Manual	Pass		Automation Candidate	See TestImportExportPackageWizard	
6.11	Select Traces while Experiment is open	Open an experiment and select an additional trace (see 6.3)	Experiment is closed and selected traces is imported to the experiment	Manual	Pass		Automation Candidate		
7 Experiment Traces									

7.1	Trace menu	Select an LTTng trace and open its context menu	Correct menu opens w/ Copy disabled + Remove	RCPTT	Pass				
7.2	Open trace	Select the Open menu	Trace is opened and views are populated	Manual	Pass		Automation Candidate		
7.3	Remove trace	Open Experiment, select the Remove menu and confirm removal	Experiment is closed, trace is removed from experiment	RCPTT	Pass				
7.4	Drag and Drop from Traces	D&D a few LTTng traces from the Traces directory	Selected traces are added to the experiment with proper icon. Experiment can be opened.	Manual	Pass				
7.5	Drag and Drop from other Tracing	D&D a few LTTng traces from another Tracing project's Traces folder	Selected traces are added to the experiment + Traces with proper icon. Experiment can be opened.	Manual	Pass				
7.6	Drag and Drop from non-Tracing	D&D a few traces from a non-Tracing project	Selected traces are added to the experiment + Traces with proper icon. Experiment can be opened.	Manual	Pass				
7.7	Drag and Drop from external	D&D a few traces from an external file manager	Selected traces are added to the experiment + Traces with proper icon. Experiment can be opened.	Manual	Pass				
7.8	Drag and Drop from external (non-traces)	D&D a few files (non-traces) from an external file manager	Selected traces are added to the experiment + Traces with proper icon (system icon). Experiment cannot be opened.	Manual	Pass				
7.9	Drag and Drop of trace with existing name	1) D&D a trace with name of an existing trace into experiment folder 2) Confirm the renaming of traces	Verify that trace is added into the traces folder and experiment folder with the trace name of the original trace plus a suffix 2	Manual	Pass				
7.10	Drag and Drop of trace with existing name (2nd time)	Redo test 7.8 with the same trace and same destination folder	Verify that trace is added into the traces folder and experiment folder with the trace name of the original trace plus a suffix 3	Manual	Pass				
7.11	Drag and Drop of trace while Experiment is open	Open an experiment and D&D a trace from the Traces directory (see 7.4)	Experiment is closed and selected traces is imported to the experiment	Manual	Pass				
8 Propagation									
8.1	Preparation	Copy experiment	Selected experiment is replicated	SWTBot	Pass				
8.2	Rename propagation	In Traces folder, rename a trace showing in both experiments	New name is propagated to both experiments	Manual	Pass	It also propagates when renaming trace in experiment	Automation Candidate		
8.3	Delete propagation	In Traces folder, delete a trace showing in both experiments	Selected trace is removed from both experiments	Manual	Pass	It also propagates when deleting trace in experiment	Automation Candidate		
8.4	Propagate trace type 1	Add a trace to 2 experiments. Change its type from Traces	All occurrences of that trace are updated	Manual	Pass		Automation Candidate		
8.5	Propagate trace type 2	Add a trace to 2 experiments. Change its type from one of the experiments	All occurrences of that trace are updated	Manual	Pass		Automation Candidate		
9 Properties View Synchronization									
9.1	Trace synchronization	Select a trace under a Traces folder in Project Explorer view. Repeat with trace under an Experiment.	The Properties view is updated with the selected trace's "Resource properties" Property and Value. The "Info > type" property shows the selected trace category and trace type name.	Manual	Pass				
9.2	Other trace nodes synchronization	Select a Traces folder, Experiments folder, or an experiment in Project Explorer view.	The Properties view is updated with the selected item's Property and Value. For Experiment verify the "type" property is set.	Manual	Pass	When experiment is selected, changing its type does not changes the type property in the properties view until the experiment is selected again.	Automation Candidate		
9.3	Check trace properties	Open an LTTng kernel trace, click on the trace, check the new properties view.	The "Trace properties" should be populated	Manual	Pass		Automation Candidate		
9.4	Check trace properties - experiment	Open an experiment which contains LTTng kernel traces, click on the experiment, check the new properties view.	The "Trace properties" should be populated for every subtrace	Manual	Pass	Only the properties for the experiment is populated	Automation Candidate		
10 Trace Type Selection									
10.1	Preparation	Import an file with unrecognized trace type (\$\{local\}/traces/import/unrecognized.log)	Imported trace appear in Traces with default icon. File is can be opened by default Editor (either Eclipse text or system editor depending on plug-ins installed)	SWTBot	Pass				
10.2	Trace properties	Select the trace and open the Properties View	Selected trace type is blank	Manual	Pass				
10.3	Trace filtering	Select an experiment and open Select Traces dialog	Untyped trace does not appear in list	SWTBot	Pass	SWTBot tries invalid type for a given valid trace, same thing.			
11 Supplementary Files									
11.1	Preparation	1) In Project Explorer remove filter for hidden resources (Coolbar menu > Customize View... > unselect '*. * resources) 2) Create Experiment with 2 LTTng CTF traces in it	Verify that .tracing directory is shown under the project	RCPTT	Pass				

11.2	Create Supplementary File (State History File) from trace	Open a LTTng CTF trace and wait for indexing to finish	Verify that org.eclipse.tracecompass.analysis.os.linux.kernel.ht is created under .tracing/<trace name>/.	RCPTT	Pass				
11.3	Trace Context sensitive menu	a) Select trace under Folder Traces and click right mouse button b) Redo test: Select trace under Experiment Folder c) Redo test: Select Experiment	Verify that menu item 'Delete Supplementary Files...' is shown in the context-sensitive menu	RCPTT	Pass				
11.4	Delete Supplementary Files Action	1) Select trace and click right mouse button 2) Select 'Delete Supplementary Files...'	Verify that confirmation dialog box is open and <trace name>/StateHistory.ht is listed	RCPTT	Pass				
11.5	Select and delete State History File	Select <trace name>/StateHistory.ht file and click on 'Ok'	Make sure that file .tracing/<trace name>/StateHistory.ht is deleted from the project explorer view	RCPTT	Pass				
11.6	Create Supplementary File (State History File) from experiment	Open Experiment with 2 LTTng CTF traces	Verify that two StateHistory.ht files are created under .tracing/<trace1 name>/ and .tracing/<trace2 name>/ respectively. Also verify, that supplementary folder for the experiment .tracing/<exp name>_exp is created.	RCPTT	Pass				
11.7	Delete Supplementary Files Action	1) Select Experiment and click right mouse button 2) Select 'Delete Supplementary Files...'	Verify that confirmation dialog box is open and shows 3 root entries: <exp name>, <trace1 name> and <trace2 name>, with their respective supplementary files below	RCPTT	Pass				
11.8	Select and delete State History File	Select one history file (<trace name>/StateHistory.ht) and click on 'Ok'	Make sure that the selected file .tracing/<trace name>/StateHistory.ht is deleted from the project explorer view	RCPTT	Pass				
11.9	Select and delete multiple State History files	1) Redo 11.2 and 11.6 2) Select both history files and click on 'Ok'	Make sure that both history files are deleted under .tracing/<trace1 name>/ and .tracing/<trace2 name>/ respectively	RCPTT	Pass				
11.10	Delete Trace	a) Redo 11.2 to create Supplementary File b) Delete trace	Verify that supplementary directory .tracing/<trace name>/ is deleted.	RCPTT	Pass				
11.11	Delete Experiment	a) redo 11.6 to create experiment and Supplementary File b) delete Experiment	Verify that supplementary File StateHistory.ht .tracing/<trace1 name>/ and .tracing/<trace2 name>/ are NOT deleted. Also verify that the supplementary folder for the experiment .tracing/exp_name_exp is deleted.	RCPTT	Pass				
11.12	Delete Experiment Trace	a) redo 11.6 to create experiment and Supplementary File b) remove traces under Experiment	Verify that supplementary File StateHistory.ht .tracing/<trace1 name>/ and .tracing/<trace2 name>/ are NOT deleted	RCPTT	Pass				
11.13	Delete Supplementary Files Action while trace is open	Open trace and then redo 11.4	Verify that trace is closed and supplementary files are deleted	RCPTT	Pass				
12 Link With Editor									
12.1	Preparation	1) In Project Explorer make sure that "Link with Editor" button is selected 2) Open multiple traces and experiments		RCPTT	Pass				
12.2	Select trace/experiment in Editors area	Select several traces and experiments one after each other in Editors area	Verify that after each selection the corresponding trace or experiment element is selected in the Project Explorer	RCPTT	Pass	small problem, might be GTK3			
12.3	Select opened traces/experiments in Project Explorer	Select several open traces and experiments one after each other in Project Explorer	Verify that after each selection the corresponding trace or experiment is brought to the top in the Editors area	Manual	Pass		Automation Candidate		
12.4	Preparation	1) In Project Explorer make sure that "Link with Editor" button is not selected 2) Open multiple traces and experiments (if not open)		RCPTT	Pass				
12.5	Select trace/experiment in Editors area	Select several traces and experiments one after each other in Editors area	Verify that selection in Project Explorer doesn't change	RCPTT	Pass				
12.6	Select opened traces/experiments in Project Explorer	Select several open traces and experiments one after each other in Project Explorer	Verify that Editor in focus is not changed	RCPTT	Pass				
13 Trace Package Export Wizard									
13.1	Preparation	1) Import 2 traces that generate supplementary files (trace2, kernel_vm) 2) Open both traces, wait for the indexing to finish 2) Add bookmarks in the two traces							
13.2	Open the trace package export wizard	Click on "File", "Export...", "Tracing", "Trace Package Export" and click Next Alternatively, Right-click in Project Explorer on Project and select "Export", "Tracing", "Trace Package Export" and click Next Alternatively, select multiple traces, right-click and select "Trace Package Export"	A wizard should appear with a list of projects and traces to select. Next button should be disabled.	SWTBot	Pass				

13.3	Select Traces	On the left side, select the project in which the traces were imported. Then on the right side, selected both traces.	Next should be become enabled when the first trace is selected. If all traces are unselected, the Next button is disabled.	SWTBot	Pass				
13.4	Deselect/Select All	With traces selected, press the Deselect All button. Then press on the Select All button. Click Next.	Next should become disabled after Deselect All, enabled after Select All.	SWTBot	Pass				
13.5	Trace element selection	Unselect the trace2 element	All elements in the trace tree are unselected, the Approximate uncompressed size field changes to a lower number.	SWTBot	Pass				
13.6	Trace sub-element selection	Unselect the kernel_vm > Trace element	All elements in the trace tree are unselected, the Approximate uncompressed size field changes to 0. The Next button is disabled.	Manual	Pass			Automation Candidate	
13.7	Select/Deselect All	With nothing selected, click Select All. Then click Deselect All. Then click Select All again.	When Select All is clicked, all the tree elements are selected, the approximate size increases. When Deselect All is clicked, all the tree elements are deselected and the approximate size decreases.	Manual	Pass			Automation Candidate	
13.8	Archive file selection	1) Click on the Browse button. 2) Select a location on the filesystem 3) Enter the file name export.tar	A file chooser dialog comes up. When the destination file is entered, the "To archive file" is filed with export.tar.gz. The Finish button should be enabled.	Manual	Pass			Automation Candidate	
13.9	Change export options, change compression	Unselect the "Compress" checkbox.	The name of the archive file changes to export.tar	SWTBot	Pass				
13.10	Change export options, change format	Change to Zip format	The name of the archive file changes to export.zip	SWTBot	Pass				
13.11	Change export options, change format and compression	Change to Tar format then select the Compress checkbox.	The name of the archive file changes to export.tar.gz	Manual	Pass			Automation Candidate	
13.12	Finish the wizard	Click Finish	A progress bar should appear at the bottom the the dialog and it should disappear upon completion. The export.tar.gz file should be created on the file system.	SWTBot	Pass				
13.13	Overwrite	Open the wizard again and select the traces (step 13.2, 13.3). Click Finish.	The Archive file name should be remembered and already filled. A dialog should prompt the user to overwrite. Answering No should keep the wizard opened. Answering Yes should re-export the archive and close the wizard.	Manual	Pass			Automation Candidate	
13.14	Verify formats	Open the wizard again and select the traces (step 13.2, 13.3). This time, choose Zip format. Click Finish.	The export.zip file should be created on the file system	Manual	Pass			Automation Candidate	
13.15	Verify content	Open the tar.gz and the zip files in an archive manager.	In both archives, verify that it contains: 1) A trace folder for each trace containing all the trace files (excluding supplementary files) 2) A .tracing folder containing all the supplementary files 3) An export-manifest.xml file listing the trace files, supplementary files and bookmarks	Manual	Pass				
13.16	Partial selection	Open the wizard again and select the traces (step 13.2, 13.3). This time, unselect both Supplementary files subtrees. Click Finish.	Verify that the exported archive contains: In both archives, verify that it contains: 1) A Traces folder containing all the trace files (excluding supplementary files) 2) No .tracing folder 3) An export-manifest.xml file listing the trace files and bookmarks	Manual	Pass				
14 Trace Package Import Wizard									
14.1	Preparation	Create an empty tracing project. Make sure you have export.tar.gz available from the Trace Package Export Wizard (13) test case, which should include everything including trace files, supplementary files and export-manifest.xml.							
14.2	Open the trace package import wizard	Click on "File", "Import...", "Tracing", "Trace Package Import" and click Next	The first page of the wizard should appear (Choose content to import)	SWTBot	Pass				
14.3	Project Selection	Click the Select button. Choose the previously created project.	The Into project field gets filled with the selected project name.	SWTBot	Pass				
14.4	Archive file selection	1) Click on the Browse button. 2) Browse for export.tar.gz on the file system	Finish should be become enabled when the first trace is selected. If all traces are unselected, the Next button is disabled.	SWTBot	Pass				
14.5	Deselect/Select All	With traces selected, press the Deselect All button. Then press on the Select All button.	Finish should become disabled after Deselect All, enabled after Select All.	SWTBot	Pass				
14.6	Trace element selection	Unselect the trace2 element	All elements in the trace tree are unselected.	SWTBot	Pass				
14.7	Trace sub-element selection	Unselect the kernel_vm > Trace element	All elements in the trace tree are unselected.	Manual	Pass			Automation Candidate	

14.8	Select/Deselect All	With nothing selected, click Select All. Then click Deselect All. Then click Select All again.	When Select All is clicked, all the tree elements are selected. When Deselect All is clicked, all the tree elements are deselected..	SWTBot	Pass					
14.9	Finish the wizard	Click Finish	A progress bar should appear at the bottom the the dialog and it should disappear upon completion. The two traces should appear under the project in Project Explorer	SWTBot	Pass	Very fast				
14.10	Supplementary Files	Right-click on trace2 in Project Explorer	Delete Supplementary files appears in the content menu	Manual	Pass				Automation Candidate	
14.11	Bookmarks	Open the Bookmarks view	Bookmarks appear in the list for the imported traces	Manual	Pass				Automation Candidate	
14.12	Open from bookmark	Double click on one of the bookmarks	The corresponding trace opens at the bookmarked event. Bookmarks are displayed in the event table.	Manual	Pass				Automation Candidate	
14.13	Overwrite	Open the wizard again (step 13.2) and select the archive file (step 13.4). Click Finish.	A dialog should prompt the user to overwrite for each trace. Answering Yes to All should overwrite without prompting again.	Manual	Pass	When answering Yes to All for the overwrite warning for the first trace, another warning appears for the overwrite of the second trace.			Automation Candidate	
15 Time Offsetting										
15.1	Preparation	Open Project Explorer view and Properties view. Create an empty tracing project. Import two different traces to the project. Open the traces and note their start time. Close the traces.								
15.2	Apply time offset dialog - trace selection	Select both trace elements in the Project Explorer view. Right-click and select Apply Time Offset...	The Apply time offset dialog opens in Basic mode. The Trace name show both traces and the Offset in seconds is blank.	SWTBot	Pass					
15.3	Apply time offset dialog - folder selection	Select the Traces folder element in the Project Explorer view. Right-click and select Apply Time Offset...	The Apply time offset dialog opens in Basic mode. The Trace name show both traces and the Offset in seconds is blank.	SWTBot	Pass					
15.4	Apply time offset dialog - experiment selection	Create an experiment with both traces. Select the experiment element in the Project Explorer view. Right-click and select Apply Time Offset...	The Apply time offset dialog opens in Basic mode. The Trace name show both traces and the Offset in seconds is blank.	SWTBot	Pass					
15.5	Apply time offset dialog - Basic mode	Select a trace element in the Project Explorer view. Right-click and select Apply Time Offset... In the Offset in seconds column, enter a time with seconds and decimals. Click OK. Open the trace.	The timestamps in the trace are all offset by the entered value. The Properties view shows the 'time offset' with the entered value.	SWTBot	Pass					
15.6	Apply time offset dialog - cumulative offset	Select the same trace element in the Project Explorer view. Right-click and select Apply Time Offset... In the Offset in seconds column, enter a time with seconds and decimals. Click OK. Open the trace.	The timestamps in the trace are all offset by the cumulative sum of the previous and current entered value. The Properties view shows the 'time offset' with the cumulative value.	SWTBot	Pass					
15.7	Clear time offset	Select the trace element in the Project Explorer view. Right-click and select Clear time offset. Click OK to confirm. Open the trace.	The timestamps in the trace are back to their original values. The Properties view shows the 'time offset' as blank.	SWTBot	Pass					
15.8	Apply time offset dialog - Advanced mode	Open one trace and close the other trace. Select both trace elements in the Project Explorer view. Right-click and select Apply Time Offset... Choose the Advanced radio button.	The Apply time offset dialog opens and is switched to Advanced mode. The Trace name show both traces and the Offset in seconds is blank. The Reference time for the opened trace is set to its start time.	Manual	Pass				Automation Candidate	
15.9	Apply time offset dialog - Advanced mode - compute from selection	Double-click the second trace to open it. Select an event in its trace editor. Select the first trace editor. Select an event in its trace editor. Click the button in the dialog row of the second trace. Click OK. Open both traces.	Both traces are open. Selecting an event updates the Reference time for the selected trace, and updates the Target time for all traces. Pressing the button computes the Offset in seconds as the difference between Target time and Reference time for that row. The trace which has a computed offset is closed when the OK button is pressed. After reopening, the two previously selected events now have the same timestamp. The Properties view shows the 'time offset' with the computed value.	Manual	Pass				Automation Candidate	
15.10	Apply time offset dialog - Advanced mode - compute from entered values	Select the first trace element in the Project Explorer view. Right-click and select Apply Time Offset... Choose the Advanced radio button. Double-click the trace name to open it. Select the Reference time cell and copy the start time. Select the Target time and paste the value. Edit both values to different times. Click the button in the trace row. Click OK. Open the trace.	The trace is opened. The Reference time is set to the trace start time. The Reference time and Target time can be copied, pasted, and edited. Pressing the button computes the Offset based on the current time values. The trace is closed with the OK button is pressed. After reopening, the timestamps in the trace are offset according to the computed value. The Properties view shows the 'time offset' with the computed value.	Manual	Pass	No button in trace row, but when clicked, computes offset as normal				

15.11	Clear time offset with opened traces	Open both traces. Select both trace elements in the Project Explorer view. Right-click and select Clear time offset. Click OK to confirm. Open the traces.	The opened traces are closed when the OK button is pressed. After reopening, the timestamps in the traces are back to their original values. The Properties view shows the 'time offset' as blank.	Manual	Pass	GTK 3 broke the apply time offset					
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Section	Pass	Fail	Type	To Do	Comment	
TMF - BookmarksView	17	0	2	0	14	
Target:						
Step	Test Case	Action	Verification	Type	Pass	Comment
1 Preparation						
1.1	Preparation step 1	Open and reset LTTng Kernel perspective	LTTng Kernel perspective opens with correct views.	SWTBot	Pass	
2 Trace bookmarks						
2.1	Show Bookmarks View	Select Bookmarks view (bottom folder)	Bookmarks view is shown	Manual	Pass	
2.2	Open trace	Open an LTTng CTF Kernel trace	Views are populated. Verify that a Kernel events editor is opened showing LTTng Kernel specific columns	SWTBot	Pass	
2.3	Add Trace Bookmark	Add a bookmark, by a) double-clicking on the left margin next to an event b) right-clicking the margin and select Add bookmark.... c) using the Edit > Add bookmark... menu. Enter the bookmark description in dialog box	Make sure that bookmark icon is shown on left site of the event row and is added to the Bookmarks view with relevant information (i.e. Description entered and correct trace resource)	Manual	Pass	Automation Candidate
2.4	Open Trace Bookmark (1)	Scroll within event table so that bookmark is not visible anymore and then double-click on bookmark in Bookmarks View	Make sure that event with bookmark is selected and visible in event table	Manual	Pass	Automation Candidate
2.5	Open Trace Bookmark (2)	Open another trace #2 and then double-click on bookmark in Bookmarks view	Make sure that correct trace #1 is brought to top and correct event with bookmark is selected in events table	Manual	Pass	Automation Candidate
2.6	Open Trace Bookmark (3)	Close the trace #1 and then double-click on bookmark in Bookmarks view	Make sure that correct trace #1 is opened and correct event with bookmark is selected in events table	Manual	Pass	Automation Candidate
2.7	Delete Bookmark (from table)	Select bookmarks icon in event table right-click on icon and select "Remove Bookmark"	Make sure that bookmark icon is removed from event table and corresponding bookmark is removed from the Bookmarks view	Manual	Pass	Automation Candidate
2.8	Delete Bookmark (from table)	Double-clicking bookmarks icon in event table.	Make sure that bookmark icon is removed from event table and corresponding bookmark is removed from the Bookmarks view	Manual	Pass	Automation Candidate
2.9	Delete Bookmark (from Bookmarks view)	Add a bookmark (see 2.4), then select bookmark in Bookmarks view, right mouse click and select "Delete". Confirm the deletion.	Make sure that bookmark icon is removed from event table and corresponding Bookmark is removed from the Bookmarks view	Manual	Pass	Automation Candidate
3 Experiment bookmarks						
3.1	Create and open experiment	Create Experiment with 2 LTTng CTF Kernel traces in it and open experiment	Verify that an Events editor is opened showing LTTng Kernel specific columns	Manual	Pass	Automation Candidate

3.2	Add Experiment Bookmark	Add a bookmark, by a) double-clicking on the left margin next to an event b) right-clicking the margin and select Add bookmark.... c) using the Edit > Add bookmark... menu. Enter the bookmark description in dialog box	Make sure that bookmark icon is shown on left site of the event row and is added to the Bookmarks view with relevant information (i.e. Description entered and correct experiment resource)	Manual	Pass	Automation Candidate
3.3	Open Experiment Bookmark (1)	Scroll within event table so that bookmark is not visible anymore and then double-click on bookmark in Bookmarks View	Make sure that event with bookmark is selected and visible in event table	Manual	Pass	Automation Candidate
3.4	Open Experiment Bookmark (2)	Open another trace #2 and then double-click on bookmark in Bookmarks view	Make sure that correct experiment #1 is brought to top and correct event with bookmark is selected in events table	Manual	Pass	Automation Candidate
3.5	Open Experiment Bookmark (3)	Close the experiment #1 and then double-click on bookmark in Bookmarks view	Make sure that correct experiment #1 is opened and correct event with bookmark is selected in events table	Manual	Pass	Automation Candidate
3.6	Delete Bookmark (from table)	Select bookmarks icon in Events view, right-click on icon and select "Remove Bookmark"	Make sure that bookmark icon is removed from event table and corresponding bookmark is removed from the Bookmarks view	Manual	Pass	Automation Candidate
3.7	Delete Bookmark (from Bookmarks view)	Add a bookmark (see 6.4), then select bookmark in Bookmarks view, right mouse click and select "Delete". Confirm the deletion.	Make sure that bookmark icon is removed from event table and corresponding Bookmark is removed from the Bookmarks view	Manual	Pass	Automation Candidate

Section		Pass	Fail	To Do	Comment
TMF - Colors View		6	0	6	0
Target:					
Step	Test Case	Action	Verification		Comment
1	Open a test trace	a trace is visible in the events editor	SWTBot	SWTBot	Pass
2	Open the colors view	the view is visible	SWTBot	SWTBot	Pass
3	Select a color and a filter	Select a color and a filter, the matching events should update their colors (background and foreground) to the new ones	SWTBot	SWTBot	Pass
4	Add multiple colors	Click on add 4 times, four colors should be displayed	SWTBot	SWTBot	Pass
5	Change the color priorities	By clicking on up and down, the order of the displayed colors should change	SWTBot	SWTBot	Pass
6	Delete all the colors	The color filters should disappear.	SWTBot	SWTBot	Pass

Section		Pass	Fail	To Do	Comment
TMF - Filters View		12	0	12	0
Target:					1
Step	Test Case	Action	Verification		Comment
1	Open a trace to be filtered	Trace is opened	SWTBot	SWTBot	Pass
2	Open filter view	Filter view is opened	SWTBot	SWTBot	Pass
3	Create a filter on event type and timestamp	The filterview contains a filter on the event type and the timestamp	SWTBot	SWTBot	Pass
3.1	Apply that filter	A subset of the events pass	SWTBot	SWTBot	Pass
4	Create a filter on the timestamp oring field values	Create the filter	SWTBot	SWTBot	Pass
4.1	Apply that filter	A subset of the events pass	SWTBot	SWTBot	Pass
5	Create a filter with equals node	Create the filter	SWTBot	SWTBot	Pass
5.1	Apply that filter	A subset of the events pass	SWTBot	SWTBot	Pass
6	Create a filter with matches node	Create the filter	SWTBot	SWTBot	Pass
6.1	Apply that filter	A subset of the events pass	SWTBot	SWTBot	Pass
7	Create a filter with contains node	Create the filter	SWTBot	SWTBot	Pass
7.1	Apply that filter	A subset of the events pass	SWTBot	SWTBot	Pass

Section	Pass	Fail	To Do	Comment	
TMF - Sequence Diagram	37	0	22	0	
Target:				7	
Step	Test Case	Action	Verification	Type	Comment
1 Preparation					
		1) Download traces.zip (if necessary) and unzip into a local directory \${local} 2) Use traces simple-server-thread1 and simple-server-thread2 under traces/import/ for test cases below			Note: UI tests are not SWTBot, but JUnit tests. Tests are triggered programmatically right below the dialogs level
1.1	Open perspective	Open and reset LTTng Kernel perspective	LTTng Kernel perspective opens with correct views: Project Explorer, Control, Control Flow, Resources, Statistics, Histogram, Properties, Bookmarks	SWTBot	Pass
1.2	Open TMF Sequence Diagram View	Use menu Window → Show View → Other ... → Tracing → Sequence Diagram	Verify that 'Sequence Diagram' view is shown	SWTBot	Pass
1.3	Create and open experiment with sequence diagram data	1) Create Tracing Project 2) Create Experiment (SeqExp) 3) Import 2 traces simple-server-thread1 and simple-server-thread2 4) Add these 2 traces to experiment 6) Open (double-click on) the experiment	Verify that sequence diagram was loaded. The interaction show the signal numbers (Note that trace doesn't contain strings for the interactions. A special parser would be necessary to map signal number to trace)	Manual	Pass
2 Manage View					
2.1	Close view	Close Sequence Diagram view	Sequence Diagram View is removed from p	Manual	Pass
2.2	Open view when experiment/traces is already loaded	1) Close 'Sequence Diagram' View 2) load sequence diagram experiment 3) Open Sequence Diagram view	Verify that sequence diagram was loaded. Verify that all 17 pages are loaded.	Manual	Pass Difficult to get the numb of pages
3 Tooltip					
3.1	Hover over interaction	1) Goto to first page (no selection of any interaction or lifeline) 2) Hover over first interaction (arrow or number)	Verify that tooltip appears with content with interaction name and time stamp (10000 14:58:00.740995147)	UITest	Pass Tooltip background is very dark and text is hard to read on Ubuntu 14.10, 16.10 with default theme https://bugs.eclipse.org/bugs/show_bug.cgi?id=455523 .
3.2	Hover over interaction after selection	1) Goto to first page 2) select first interaction 3) Hover over 3rd interaction	Verify that tooltip appears with content with interaction names and time stamp delta between selected interaction and interaction that was hovered over (10001 → 10000 delta: 000.000 157 023)	UITest	Pass
3.3	Hover over time compression bar	Hover over first element in time compression bar on the left of the view	Verify that tooltip appears with delta and graph to show where delta is in relation to current configured min max values. (delta: 000.000 3 480)	UITest	Pass
4 View Synchronization					
4.1	Selection of interaction	Select an interaction in the 'Sequence Diagram'	Verify that interaction is highlighted in 'Sequence Diagram' view. Verify that in the events table the corresponding event is selected. Verify that time stamps matches	UITest	Pass
4.2	Selection of event in events table	Select an sequence diagram event in the events table (type SEND or RECEIVE)	Verify that corresponding interaction is selected in the 'Sequence Diagram' view	UITest	Pass
4.3	Selection of new time range	Change time range in 'Histogram View'.	Verify that the content of the 'Sequence diagram' changes and the interactions are part of the new window range	UITest	Pass
5 View Actions					

5.1	Test page navigation	Use buttons and menu items 'Go to next page', 'Go to previous page', 'Go to last page' and 'Go to first page' to navigate through trace. Use also menu item 'Pages...' to jump to specific page	Verify that different time ranges are selected when changing page by looking at Histogram View. Histogram View window will show the start of the page. Note that there are 10000 interactions per page. In this traces there are in total 160032 interactions. Verify that last page has 32 interactions between 2 lifelines.	SWTBot	Pass														
5.2	Test menu item 'Pages...'	1) Select menu item 'Pages...' 2) In text box type "9" 3) Click on 'OK'	Verify that a dialog box will show. Verify that for this trace it shows 'Total: 17 pages is shown' and the current page is displayed in the text box. After step 3) verify that page where changed to page 9. For this trace page 9 is the page with 3 lifelines.	SWTBot	Pass														
5.3	Find of interaction	Goto to page 1 → 1) Use button and menu item "Find" 2) select Interactions and deselect lifeline 3) type regular expression 10.*00 4) press find 5) press find 6) press find 7) press find 8) press find	After 4) verify that interaction 10000 (player1 → master) is selected. After 5) verify that interaction 10100 (master → player1) is selected. After 6) verify that 10000 (player2 → master) is selected. After 7) verify that interaction 10100 (master → player2). After 8 nothing else will be found	SWTBot	Pass														
5.4	Find of lifeline	Goto to page 1 → 1) Use button and menu item "Find" 2) select lifeline and deselect interaction 3) type player2 4) press find 5) press find	After 4) verify that lifeline with name player2 is selected (page 9 with 3 lifelines). After 5) player2 is selected on page 10	SWTBot	Pass														
5.5	Find criteria persistence	1) Restart eclipse 2) open find dialog	Verify that previous used find criteria are still in the list	Manual	Pass														
5.6	Find short-cut	1) Select 'Sequence Diagram' view 2) press CTRL+f	Verify that find dialog opens	Manual	Pass														
5.7	Filter of interactions	Goto to page 1 → 1) Use menu item 'Hide Patterns...' 2) Press Add 3.1) select Interactions and deselect Lifeline 3.2) type regular expression 10.*03 4) Press 'Create' 5) Press 'Ok'	After 5) verify that Interactions with name 10003 and 10103 are not shown	SWTBot	Pass														
5.8	Filter of lifelines	Goto to page 9 → 1) Use menu item 'Hide Patterns...' 2) Press Add 3.1) select Lifelines and deselect Interactions 3.2) type regular player2 4) Press 'Create' 5) Press 'Ok'	After 5) verify that player2 is not shown	SWTBot	Pass														
5.9	Deselect filter	1) Apply one filter 2) Use menu item 'Hide Patterns...' 3) deselect filter 4) click 'Ok'	Verify that all lifelines and interactions are shown	SWTBot	Pass														
5.10	Filter criteria persistence	1) Restart eclipse 2) open hide dialog	Verify that previous used hide criteria are still in the list	SWTBot	Pass														
5.11	Zoom-in	1) Use button and menu item for zoom-in to activate zooming in 2) click into sequence diagram view	Verify that 'Sequence Diagram' view zooms in. Note that no selection is possible.	SWTBot	Pass														
5.12	Selection after zooming	1) Click on button and menu item 'Select' to go back to selection mode 2) select an interaction	Verify that selection is possible.	SWTBot	Pass														
5.13	Zoom-out	1) Use button and menu item for zoom-out to activate zooming out 2) click into sequence diagram view	Verify that 'Sequence Diagram' view zoom out. Note that no selection is possible.	SWTBot	Pass														

5.14	Reset zoom	1) Use button and menu item for 'Reset zoom factor' to reset the zoom level	Verify that 'Sequence Diagram' view goes back to default zoom	SWTBot	Pass														
5.15	Configure min/max	1) Select menu item 'Configure Min Max' 2) Change min to 100 and max to 2000 (keep scale and precision) 3) press 'Ok'	After 1) verify that a dialog box shows with default values. After 3) verify that time compression bar changes some colors. It will show more deeper red because the max value is lower.	SWTBot	Pass														
5.16	Configure min/max (default)	After changing min and max 1) select menu 'Configure Min Max' 2) press 'Default' 3) press 'Ok'	After step 2) the default values are shown. After step 3) the time compression bar will change colors. Note that the default values are computed based on all deltas of 2 consecutive interactions.	SWTBot	Pass														
5.17	Show node end	Goto to page 1 → 1) Resize view so that the arrow of the interaction is not shown 2) select on interaction 3) Use menu item Navigation → Show node end	Verify that end lifeline of the interaction (the arrow) is shown	Manual	Pass														
5.18	Show node start	Goto to page 1 → 1) Resize view so that the beginning of the interactions are not shown 2) select on interaction 3) Use menu item Navigation → Show node start	Verify that start lifeline of the interaction is shown	Manual	Pass														
5.19	Show node end short-cut	Goto to page 1 → 1) Resize view so that the arrow of the interaction is not shown 2) select on interaction 3) Press SHIFT+ALT+END	Verify that end lifeline of the interaction (the arrow) is shown	Manual	Pass	The shortcut is not working when the mouse is hovering the interaction as seen in the previous version 4.0.0													
5.20	Show node start short-cut	Goto to page 1 → 1) Resize view so that the arrow of the interaction is not shown 2) select on interaction 3) Press SHIFT+ALT+HOME	Verify that start lifeline of the interaction is shown	Manual	Pass	The shortcut is not working when the mouse is hovering the interaction as seen in the previous version 4.0.0													
5.21	Scroll down short cut	Press SHIFT+ALT+ARROW_DOWN	Verify that within a page the display scrolls down per view size	Manual	Pass														
5.22	Scroll up short cut	Press SHIFT+ALT+ARROW_UP	Verify that within a page the display scrolls up per view size	Manual	Pass	Key combination on Ubuntu 12.04 is used for something else. This can be disabled using the combiz-settings-manager (http://askubuntu.com/questions/171489/how-to-unbind-shift-alt-up-shortkey-in-12-04) After disabling this combination this test case passes On Ubuntu 14.04, 14.10, this is not an issue, by default the keys are not mapped.													
5.23	Overview feature	Goto page 9 → Keep pressing + icon at the lowest right corner of the view and drag down, up, left or right	Verify that it's possible to navigate through a page of the sequence diagram view	Manual	Pass	On Ubuntu, the movement is hectic and the overview box is very narrow. On Mac OS X 10.8, the button is not visible but there is a visible empty space that is clickable in its place. Clicking on it brings up the overview box which has a reasonable size but movement is still hectic.													
5.24	Print	Select 'Sequence Diagram' view and press printer icon in the Eclipse's tool bar (or use CTRL+P). Select one pager page to print	Verify that it is possible to print	Manual	Pass	Bug 436442 The dialog is confusing on Ubuntu. The "from pages" option do not update directly the values you enter													
5.25	Remove filter (Bug 391714)	1) Create 1 filter if necessary (see 5.8) 2) Open Error Log view if necessary 3) Open filter dialog box and remove all filters 4) Press 'OK' 5) Open filter dialog box again	Verify that no exceptions occurred and after 5) no filter are listed	Manual	Pass	Works on windows (including CTRL+P) Pass on 16.04 and 16.10... could it be cups giving you a hard time?													

5.27	Time Sync. without interactions (Bug 391716)	1) Open trace without any sequence diagram information 2) Open SD view if necessary 3) Open Error Log view if necessary 4) change time range in Histogram view 5) Change time current selected time in Histogram View	Make sure that no exceptions occurred	Manual	Pass						
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Section	Pass	Fail	Type	To Do	Comment	
TMF - EventsEditor	25	0	11	0	4	
Target: Ubuntu 19.04 64 bit						
Step	Test Case	Action	Verification	Type	Pass	Comment
1 Preparation						
1.1	Preparation step 1	Open and reset LTTng Kernel perspective	LTTng Kernel perspective opens with correct views.	SWTBot	Pass	
2 Trace bookmarks Moved to sheet "BookmarksView"						
3 Experiment bookmarks Moved to sheet "BookmarksView"						
4 Filter						
4.1	Filter	In the header row, enter some regex and press Ctrl+Enter	Only events matching regex are displayed. Top and bottom filter status rows update while filtering is ongoing. When filtering is done, status rows show number of matching events.	SWTBot	Pass	
4.2	Cancel filter	In the header row, enter some regex and press Ctrl+Enter, then quickly press ESC before filtering is done	Only some events matching regex are displayed. Status rows show partial number of matching events, with different 'stop' icon.	Manual	Pass	GTK 3 filter text doesn't work, but it workswell with GTK-3.16.6
4.3	Un-filter	In the header bar, click the icon to delete a filter	All events are displayed. Selected event remains selected and visible. Status rows are removed.	SWTBot	Pass	
4.4	Filter & Search	In the filter bar, enter some regex; likewise in the search bar	Events are filtered and highlighted accordingly	SWTBot	Pass	
4.5	Search & Filter	In the search bar, enter some regex; likewise in the filter bar	Events are filtered and highlighted accordingly	SWTBot	Pass	
5 Time Synchronization						
5.1	Mouse synchronization	Select any event in the table with the mouse button	Other views are synchronized to the selected event's time	Manual	Pass	Automation Candidate
5.2	Key synchronization	Select any event in the table using Up, Down, PageUp, PageDown, Home, End	Other views are synchronized to the selected event's time	Manual	Pass	Automation Candidate
5.3	Search synchronization	In the search bar, enter some regex, then search again with Enter/Shift-Enter	Other views are synchronized to the selected event's time	Manual	Pass	Automation Candidate
5.4	External synchronization	In any other view that supports time synchronization, select a time.	The first event at or following the selected time is selected and visible.	Manual	Pass	Automation Candidate
5.5	Range selection	Select an event with left button, press shift key and click select another event	Range of events are highlighted. Selection range is updated in other views that support range selection	Manual	Pass	Automation Candidate
6 Event Synchronization						
6.1	Open trace	Open an LTTng CTF Kernel trace	Verify that an editor is opened showing LTTng Kernel specific columns. Views are updated with the new trace.	SWTBot	Pass	
6.2	Mouse synchronization	Select any event in the table with the mouse button	The Properties view is updated with the selected event's Property and Value. Timestamp and Content are expandable.	Manual	Pass	Automation Candidate
6.3	Key synchronization	Select any event in the table using Up, Down, PageUp, PageDown, Home, End	The Properties view is updated with the selected event's Property and Value. Timestamp and Content are expandable.	Manual	Pass	

6.4	Search synchronization	In the search bar, enter some regex, then search again with Enter/Shift-Enter	The Properties view is updated with the selected event's Property and Value. Timestamp and Content are expandable.	Manual	Pass	When the search wrap the table is losing focus, but not losing the focus at the same time and the property view is not updated until you do an other enter or shift-enter
6.5	External synchronization	In any other view that supports time synchronization, select a time. The selected event in the editor is updated. Then give focus back to the editor.	The Properties view is updated with the selected event's Property and Value. Timestamp and Content are expandable.	Manual	Pass	
7 Source Code / Model Lookup						
7.1	Preparation	1) Download traces.zip (if necessary) and unzip into a local directory \${local} 2) Unzip traces/c_project_callsite.zip and traces/callsite.zip to your local disk. 3) Import demo C project to the Eclipse workspace of zip file c_project_callsite.zip 4) Import the test trace of zip file callsite.zip to a tracing project. Select trace type "Generic CTF Trace" and open the trace				
7.2	Open call site	1) select event in table 2) click right mouse button 3) select "Open Source Code" menu item	Verify that correct source code file and line number is opened	Manual	Pass	
7.3	Open call site (no source code)	1) Close source code project 2) select event in table 3) click right mouse button 4) select "Open Source Code" menu item	Since the source code is not available the no source code file is opened. Instead a error dialog is opened (with title "FileNotFoundException")	Manual	Pass	
7.4	Open model URI	1) select event in table (e.g. 1st event) 2) click right mouse button 3) select "Open Model Element" menu item	Since the model is not available the model element is not shown. Instead a error dialog is opened (with title "FileNotFoundException")	Manual	Pass	
8 Export to text						
8.1	Export CTF trace	1) Open a CTF trace (e.g. LTTng Kernel) 2) Click right mouse button 3) Select "Export To Text" menu item 4) Enter a file name and location 5) Press OK	Make sure that a progress monitor dialog is opened during the export. After finishing make sure that the text file exists and it contains the events stored in the file. Verify that the columns are printed as shown in the events table and that they are separated by tab character.	SWTBot	Pass	no progress monitor dialog, only a job
8.2	Export Other Trace	1) Open a trace other than CTF trace 2) Click right mouse button 3) Select "Export To Text" menu item 4) Enter a file name and location 5) Press OK	Make sure that a progress monitor dialog is opened during the export. After finishing make sure that the text file exists and it contains the events stored in the file. Verify that the columns are printed as shown in the events table and that they are separated by tab character.	Manual	Pass	
8.3	Copy to clipboard	1) Open a CTF trace (e.g. LTTng Kernel) 2) Click right mouse button 3) Select "Copy to Clipboard" menu item 4) Paste it in a text file	Verify that the columns are printed as shown in the events table and that they are separated by tab character.	SWTBot	Pass	
9 Swap Columns and Change Fonts						

9.1	Swap columns in events table	1) Open a trace 2) Drag a column	Covered by SWTBot tests	SWTBot	Pass	
8.2	Change fonts	1) Open the preferences 2) select new font for trace types 3) press apply 4) verify that the font changed	Covered by SWTBot tests	SWTBot	Pass	
8.3	Reset fonts	1) Open the preferences 2) Reset the font settings 3) Press apply 4) verify that the font changed	Covered by SWTBot tests	SWTBot	Pass	

Section	To Do	Fail	To Do	Comment	
TMF - Statistics View	17	0	7	0	
Target:				17	
Step	Test Case	Action	Verification	Type	Comment
1 Preparation					
	Preparation	Download traces simple-server-thread1 and simple-server-thread1 from traces/import/			
1.1	Open Perspective	Open and reset LTTng Kernel perspective	LTTng Kernel perspective opens with correct views	SWTBot	Pass
1.2	Open TMF Statistics View	Use menu Window → Show View → Other ... → Tracing → Statistics	Verify that 'Statistics' view is shown	SWTBot	Pass Path is actually Window -> Show view -> Tracing -> Statistics
1.3	Open experiment	1) Create Tracing Project 2) Create Experiment (SeqExp) 3) Import 2 traces simple-server-thread1 and simple-server-thread2 4) Select trace type "Generic CTF Trace" 5) Add these 2 traces to experiment	Verify that statistics are shown per trace and per event type. Each trace has 80021 events. Verify that event types ENTER/RETURN/SEND/RECEIVE/INFO/after_fork_child are counted.	RCPTT	Pass
2 Manage View					
2.1	Delete view	Close the 'Statistics' View	Statistics' view is removed from perspective	RCPTT	Pass
2.2	Open view	Use menu Window → Show View → Tracing → Statistics	Statistics' view View is displayed and re-populated	RCPTT	Pass
2.3	Open view when experiment/trace is already loaded	1) Close 'Statistics View' 2) load trace above trace 3) Open 'Statistics' view	Verify that statistics are shown per trace and per event type. Each trace has 80021 events. Verify that event types ENTER/RETURN/SEND/RECEIVE/INFO/after_fork_child are counted	RCPTT	Pass
3 Other					
3.1	Build of statistic index	Open trace	Verify that 'Statistics' view is populated gradually during indexation	Manual	Pass
3.2	Persistence of statistics	Open same trace multiple times after indexing of trace was finished the first time	Verify that when opening the trace the x-times (x > 1), that the statistics appear right away without parsing the trace again	Manual	Pass
4 Range Synchronization					
4.1	External synchronization (full)	In any other view that supports range synchronization, select the full range of the trace.	Events in 'Events in selection' is updated and equals 'Events total' values	Manual	Pass Candidate for automation
4.2	External synchronization (range)	In any other view that supports range synchronization, select a new range.	Events in 'Events in selection' is updated according to new range	Manual	Pass Candidate for automation

5 Multiple Trace Synchronization						
	Preparation	1) Download traces.zip (if necessary) and unzip into a local directory \${local} 2) Import kernel trace \${local}/traces/import/kernel-overlap-testing 3) Import UST \${local}/traces/import/trace ust-overlap-testing 4) Create experiment with trace of 2) in it				
5.1	Open multiple traces (no overlap)	Open multiple traces that don't overlap in time	View shows the last opened trace	Manual	Pass	Candidate for automation Automation Candidate
5.2	Change selected time and range (no overlap)	In any other view that supports range synchronization, select a new range	Events in 'Events in selection' is updated according to new range	Manual	Pass	Candidate for automation Automation Candidate
5.3	Select other trace (no overlap)	Select different trace by clicking its Events editor tab	View is updated to show selected trace. 'Events in selection' is updated according to the selected trace's previously selected range.	Manual	Pass	Candidate for automation Automation Candidate
5.4	Open multiple traces (overlap)	- Open multiple traces that overlap in time - For both traces, in Events table right mouse-click -> "Follow time updates from other traces"	View shows the last opened trace	Manual	Pass	Candidate for automation Automation Candidate
5.5	Change selected time and range (overlap)	In any other view that supports range synchronization, select a new range	Events in selection' is updated according to new range	Manual	Pass	Candidate for automation Automation Candidate
5.7	Select other trace (overlap)	Select different trace by clicking its Events editor tab	View is updated to show selected trace. 'Events in selection' is updated according to the newly selected time and range.	Manual	Pass	Candidate for automation Automation Candidate
5.8	Close all traces	Close all Events editor tabs	View is cleared.	SWTBot	Pass	

Section		Pass	Fail	Type	To Do	Comment
TMF - Time Chart View		26	0	1	0	2
Target:						
Step	Test Case	Action	Verification	Type	Comment	
1 Preparation						
1.1	Preparation step 1	Open and reset LTTng Kernel perspective	LTTng Kernel perspective opens with correct views.	SWTBot	Pass	
1.2	Preparation step 2	Show Time Chart View	Time Chart view is shown	Manual	Pass	Automation Candidate
2 Trace handling						
2.1	Open trace	Open an LTTng CTF Kernel trace #1	Trace #1 entry added to Time Chart view. Trace #1 is selected entry. Range of view is full trace range.	Manual	Pass	Automation Candidate
2.2	Open other trace	Open an LTTng CTF Kernel trace #2	Trace #2 entry added to Time Chart view. Trace #2 is selected entry. Range of view is union of full trace ranges.	Manual	Pass	Automation Candidate
2.3	Open experiment	Open an experiment	Experiment entry added to Time Chart view. Experiment is selected entry. Range of view is union of full trace ranges.	Manual	Pass	Automation Candidate
2.4	Select other trace	Select trace #1 by clicking its trace entry in Time Chart view	Trace #1 is selected entry. View range does not change. Trace #1 editor tab is brought to top.	Manual	Pass	Automation Candidate
2.5	Select other trace (external)	Select trace #2 by clicking its editor tab	Trace #2 is selected entry. View range does not change.	Manual	Pass	Automation Candidate
2.6	Close view	Close the Time Chart view	Time Chart view is removed from tracing view	Manual	Pass	Automation Candidate
2.7	Open view	Show Time Chart view	Time Chart view is displayed and re-populated with opened traces data	Manual	Pass	Automation Candidate
2.8	Close trace/experiment	Close trace #2 editor tab. Repeat with experiment editor tab.	Trace entry is removed from Time Chart view. Range is view is union of remaining full trace ranges.	Manual	Pass	Automation Candidate
2.9	Close last trace	Close trace #1 editor tab	View is cleared.	Manual	Pass	Automation Candidate
3 Time Synchronization						
3.1	Mouse synchronization (single time)	Left-click on the time chart. The selected time line is updated.	Other views are synchronized to the selected time. Event at or following the selected time is selected in the event table.	Manual	Pass	
3.2	Mouse synchronization (time range)	Shift-left-click or left-drag on the time chart. The selected time range is updated.	Other views are synchronized to the selected range. Event at or following the selected time is selected in the event table.	Manual	Pass	
3.3	External synchronization (single time)	In event table, select an event.	Selected time line is updated to the event time. If necessary, range is updated to show selected time.	Manual	Pass	
3.4	External synchronization (time range)	In event table, select an event range with shift-left-click.	Selected time line is updated to the time range.	Manual	Pass	If T2 is outside of current range, view will be updated to include it (and not necessarily T1)

4 Zoom Range Synchronization						
4.1	Mouse wheel synchronization	Zoom in/out with mouse wheel while holding Ctrl.	Other views are synchronized to the new range	Manual	Pass	
4.2	Mouse drag zoom synchronization	Drag zoom with right-button on time chart.	Other views are synchronized to the new range	Manual	Pass	
4.3	Mouse drag move synchronization	Drag move with ctrl-left or middle button on time chart.	Other views are synchronized to the new range	Manual	Pass	
4.4	Mouse full range synchronization	Double-click with left button on time chart's time scale.	Other views are synchronized to the full range	Manual	Pass	
4.5	External synchronization	In any other view that supports range synchronization, select a new zoom range.	View range is updated to the new range	Manual	Pass	
5 Event Table Synchronization						
5.1	Search synchronization	Enter a search regex in event table	Matching events are marked in time chart	Manual	Pass	
5.2	Search cleared	Clear the search regex in event table	Marks are removed in time chart	Manual	Pass	
5.3	Filter synchronization	Enter a filter regex in event table	Non-matching events are removed from time chart	Manual	Pass	
5.4	Filter cleared	Clear the filter regex in event table	All events are shown in time chart	Manual	Pass	Events that were hidden by last filter regex are not restored
5.5	Bookmark synchronization	Add a bookmark in event table	Bookmarked event is marked in time chart	Manual	Pass	
5.6	Bookmark cleared	Remove the bookmark in event table	Mark is removed in time chart	Manual	Pass	

Section	Pass	Fail	Type	To Do	Comment
TMF - Custom Parsers	28	0	12	0	2
Target:					
Step	Test Case	Action	Verification	Type	Comment
0 Prerequisites					
0.1	Get custom parser definition and logs	Find text and XML parser definitions in Traces.zip/traces/customParsers and logs in /import			
1 View management					
1.1	Open perspective	Open and reset Tracing perspective, and open Time Chart view	Time Chart view opens.	SWTBot	Pass
1.2	Import custom parser definitions	Create a tracing project, open Manage Custom Parsers dialog and import text and XML custom parser definitions	Custom parsers imported (TmfGeneric, Custom XML Log)	RCPTT	Pass
1.3	Import custom traces	Create a tracing project and import a text and XML custom trace	Traces imported in Traces folder of project (ExampleCustomTxt.log, ExampleCustomXml.xml) and have their trace type auto-selected.	RCPTT	Pass
2 Custom parser management					
2.1	Open Manage Custom Parsers dialog	Open Manage Custom Parsers dialog in Traces folder context menu	Dialog opens.	SWTBot	Pass
2.2	New (text)	Select "Text" radio button, click New... button, enter Trace type, change stuff, click Next, click Finish	Custom parser appears in list.	SWTBot	Pass
2.3	Edit (text)	Select custom parser, click Edit..., change stuff, click Next, click Finish	Previously entered data appears, can be edited.	SWTBot	Pass
2.4	Export (text)	Select custom parser, click Export, enter name, click Save	Exported custom parser stored in file system.	RCPTT	Pass
2.5	Delete (text)	Select custom parser, click Delete	Custom parser is deleted.	SWTBot	Pass
2.6	Import (text)	Click Import, find custom parser definition, click Open	Imported custom parser appears in list.	RCPTT	Pass
2.7	New (XML)	Select "XML" radio button, click New... button, enter Log Type, write an xml log in the input, <code><a><c>1</c><d>1</d><c>2</c><d>1</d></code> then click on the "feeling lucky" button. Set b to log entry, set c to timestamp logged and d to message logged, set timestamp format to ss in both text boxes, click Next, click Finish	Custom parser appears in list.	Manual	Pass Automation Candidate
2.8	Edit (XML)	Select custom parser, click Edit..., change stuff, click Next, click Finish	Previously entered data appears, can be edited.	Manual	Pass Automation Candidate
2.9	Export (XML)	Select custom parser, click Export, enter name, click Save	Exported custom parser stored in file system.	Manual	Pass Automation Candidate
2.10	Delete (XML)	Select custom parser, click Delete	Custom parser is deleted.	SWTBot	Pass
2.11	Import (XML)	Click Import, find custom parser definition, click Open	Imported custom parser appears in list.	Manual	Pass Automation Candidate
3 Custom parser trace handling					
3.1	Select trace type (text)	Select test file in Traces folder, right-click, select "Select Trace Type > Custom Text > (parser name)"	Trace type is assigned (re-open Select Trace Type sub-menu to verify)	RCPTT	Pass Or select the trace and verify the trace type in the properties view
3.2	Open trace (text)	Double-click on test file in Traces folder	Editor opens with events table, Time Chart view is populated.	Manual	Pass

3.3	Raw view (text)	Right-click in editor, click Show Raw	Editor is split with raw view on right pane.	Manual	Pass		
3.4	Time synchronization (text)	Click in Time Chart view, select event in editor table, select event in raw view	All three widgets synchronize to selected time.	Manual	Pass		
3.5	Select trace type (XML)	Select test file in Traces folder, right-click, select "Select Trace Type > Custom XML > (parser name)"	Trace type is assigned (re-open Select Trace Type sub-menu to verify)	RCPTT	Pass		
3.6	Open trace (XML)	Double-click on test file in Traces folder	Editor opens with events table, Time Chart view is populated.	Manual	Pass		
3.7	Raw view (XML)	Right-click in editor, click Show Raw	Editor is split with raw view on right pane.	Manual	Pass		
3.8	Time synchronization (XML)	Click in Time Chart view, select event in editor table, select event in raw view	All three widgets synchronize to selected time.	Manual	Pass		
4	Raw viewer					should this be in events editor?	
4.1	Show Raw Viewer	1) Open Custom text trace 2) Right-click in table and select "Show Raw"	Raw viewer is shown beside the events table	Manual	Pass		
4.2	Hide Table	Right-click in table and select "Hide Table"	Events table is hidden and only raw viewer is shown	Manual	Pass		
4.3	Show Table	Right-click in raw viewer and select "Show Table"	Events table is shown beside raw viewer	Manual	Pass		
4.4	Select Event (Bug 457852)	Select event in raw viewer	Correct event is select in table, timestamp is propagated to other TMF views and Properties view shows content of selected event	Manual	Pass		
4.5	Select Event using arrow keys (457852)	1) select event in raw viewer with mouse 2) use arrow key down and up several times	Correct event is select in table, timestamp is propagated to other TMF views and Properties view shows content of selected event	Manual	Pass		
4.6	Hide Raw viewer	Right-click in table and select "Hide Raw"	Raw viewer is hidden and only events table is shown	Manual	Pass		

Section	Pass	Fail	Type	To Do	Comment	
TMF - State System Explorer	14	1	6	0		
Target						
Step	Test Case	Action	Verification	Type	Comment	Test that will make this outlier
1 Preparation						
1.1	Open TMF State System Explorer View	Use menu Window → Show View → Tracing → State System Explorer	Verify that 'State System Explorer' view is shown	SWT Bot	Pass	84711
2 Manage View						
2.1	Delete view	Close the State System Explorer' View	'State System Explorer' view is removed from perspective	SWT Bot	Pass	84711
2.2	Open view	Use menu Window → Show View → Tracing → State System Explorer	'State System Explorer' view is displayed and re-populated	SWT Bot	Pass	84711
2.3	Open Trace	Open an LTTng Kernel Trace	Verify that view is populated with kernel state system (e.g. analysis on linux kernel) and statistics state systems (e.g. lttm statistics *) of opened trace	SWT Bot	Pass	84711
2.4	Open view when trace is already loaded	1) Close State System Explorer View 2) Load LTTng trace. 3) Open 'State System Explorer' view	Verify that view is populated with state systems from trace	SWT Bot	Pass	84711
2.5	Open Experiment	Open Experiment with 2 or more LTTng traces	Verify that view is populated with all kernel state system and statistics state systems of opened experiment (separated by trace)	RCPTT	Pass	
2.7	Select other trace	Select different trace by clicking in Events editor tab	View is updated to show selected trace. State values, start time and end time are updated according to the selected trace's previously selected range.	Manual	Pass	Automation Candidate
2.6	Restart	Restart Eclipse	Verify that view is populated with state systems from trace	Manual	Pass	
2.7	Close all traces	Close traces and experiment one by one from the editor tab	Verify that state system explorer view is cleared after closing the last trace	Manual	Pass	Automation Candidate
3 Timestamp / Time Range Selection						
3.1	Select timestamp	Select time in another view (e.g. Histogram view) that supports time synchronization	Verify that selection time is updated in view	Manual	N/A	It's an abstract time graph view
3.2	Select time range	Select a time range in another view that supports time synchronization	Verify that selection time range is updated in view	Manual	N/A	Modifying "Selection End" entry in histogram view shows the end time of the range on the state system explorer It's an abstract time graph view
4 Displaying of Changed Values						
4.1	Highlighting of changed values	Select many different timestamps one after the other	Selection time bar is over the current time and state value of Attribute is shown	Manual	Pass	Automation Candidate
4.2	"Only Display Changes at Selected Timestamp" option with event selection	Enable the "Only Display Changes at Selected Timestamp" option with the toolbar button. Select different Events from the Event Table	Verify that only the state values that changed because of that event are displayed.		N/A	Menu doesn't exist anymore because it's now an AbstractTimeGraph view
4.2	"Only Display Changes at Selected Timestamp" with timestamp selection	Enable the "Only Display Changes at Selected Timestamp" option. Select "timestamps" corresponding to state changes (for example, using the previous/next buttons in the Control Flow View).	Verify that only the state values that changed at that timestamp are displayed.		N/A	Menu doesn't exist anymore because it's now an AbstractTimeGraph view

Section	Pass	Fail	To Do	Comment		
TMF - Flame Chart View	24	0	14	0	6	
Target:						
Step	Test Case	Action	Verification		Comment	
0	Download the test resources	Download this				
1 Preparation						
1.1	Open TMF Flame Chart View	Use menu Window → Show View → Other ... → Tracing → Flame Chart	Verify that 'Flame Chart' view is shown	SWTBot	Pass	Path is actually Window -> Show view -> Tracing -> Flame Chart
1.2	Import generic trace	Import a trace that does not have any call stack information, like a standard kernel trace	Verify that nothing is shown in the view, except "Stack info not available (<tracename>)"	Manual	Pass	Automation Candidate
1.3	Import cyg-profile trace	Import the trace in the "trace" directory of the downloaded zip	Verify that the Flame Chart View is populated with some callstack information.	SWTBot	Pass	
1.4	Import cyg-profile-fast trace	Import a trace in the "trace-fast" directory of the downloaded zip	Verify that the Flame Chart View is populated with some callstack information.	SWTBot	Pass	
2 Manage View						
2.1	Delete view	Close the Flame Chart View	Flame Chart' view is removed from perspective	Manual	Pass	Automation Candidate
2.2	Open view	Use menu Window → Show View → Other ... → Tracing → Flame Chart	Flame Chart' view is displayed and re-populated	SWTBot	Pass	See comment 1.1. about the path
2.3	Open Trace	Open "trace(-fast)" trace	Verify that view is populated with call stack information	SWTBot	Pass	
2.4	Open view when trace is already loaded	1) Close 'Flame Chart' view 2) Open "glxgears-cyg-profile(-fast)" trace located in the git in ctf test 3) Open 'Flame Chart' view	Verify that view is populated with call stack information	SWTBot	Pass	
2.5	Open Experiment	Open Experiment with 2 or more Flame Chart traces. (You can use both traces)	Verify that view is populated with all call stack information (separated by trace).	Manual	Pass	Automation Candidate
2.7	Select other trace	Select different trace by clicking its Events editor tab	View is updated to show selected trace.	Manual	Pass	Automation Candidate
2.6	Restart	Restart Eclipse with Flame Chart trace opened	Verify that view is populated with call stack from trace	Manual	Pass	Automation Candidate
2.7	Close all traces	Close traces and experiment one by one from the editor tab	Verify that Flame Chart view is cleared after closing the last trace	Manual	Pass	Automation Candidate
3 Navigation						
3.1	Select time	Click on random time in the time graph pane	Selected time line is updated. Table is updated to show the full stack information at the selected time. Selected time is updated in other views.	SWTBot	Pass	
3.2	Select Previous/Next Event	Click Previous/Next Event button	Previous or next call stack change is selected and corresponding active function and stack depth is selected. Table is updated to show the full stack information at the selected time. Selected time is updated in other views.	SWTBot	Pass	
3.3	Zoom to function (table)	Double-click on a function in the table pane	Time range is updated to the full duration of the selected function	SWTBot	Pass	
3.4	Zoom to function (time graph)	Double-click on a function (interval) in the time graph pane	Time range is updated to the full duration of the selected function	SWTBot	Pass	
3.5	Go to first event in trace	Go to events editor, press home	the Flame Chart view is updated	Manual	Pass	Automation Candidate
					N/A	
4 Synchronization						
4.1	Time synchronization	Select a random time in another view	Selected time line is updated. Table is updated to show the full stack information at the selected time. If selected time is outside current range, time range is updated to include it.	SWTBot	Pass	The vertical scroll bar is not updated(Sonia: only when you select a random time in the histogram view).If you select an event (in another view)before the start of the calls, the vertical scroll bar goes down.

4.2	Event synchronization	Select a call stack-impacting event (function entry/exit) in events table	In addition to updating the selected time, the active function at the event time is selected. Vertical scroll bar is updated if necessary.	SWTBot	Pass		
4.3	Time range synchronization	Select a new time range in Histogram view.	Time range is updated.	SWTBot	Pass		
5 Function name import - Text file							
5.1	Invalid text file import	Open 'trace' from Fibonacci.zip. Click the "Select a mapping file" button in the view and click "Browse" to select a random .txt file that does not contain any debugging info.	The function addresses do not change.	Manual	Pass		Automation Candidate
5.2	Valid text file import	Import a file "fibonacci.symbols"	The view now displays function names instead of function addresses (both in the timegraph and the call stack areas).	SWTBot	Pass	The symbol mapping is applied on view level. If multiple traces are opened, or if an experiment with multiple traces is opened, they cannot each have their own mapping. Bug 459909. France : I am not sure what to do here Sonia : The bug is resolved , you can specify a mapping file for each trace if you have a multiple traces in one experiment.	
6 Function name import - CDT							
6.1	Binary import	Click the "Select a binary file" button in the view and click "Browse" to select the fibonacci executable (fibonacci).	The view now displays the function names for both traces	Manual	Pass	Sonia :you have to specify the binary file for each trace.The view won't display the function names for the both traces if we select the fibonacci executable for a trace in an experiment with multiple traces. Hung:Verified in Aug. 16-2018 at 14:47PM David: Same issue as above	
6.2	Binary import lttng 2.8+	Open an lttng 2.8+ trace with the executable present	The view now displays the function names for the trace	Manual	Pass		

Section	Pass	Fail	Type	To Do	Comment
GDB Tracing	25	0	11	0	4
Target:					
Step	Test Case	Action	Verification	Type	Comment
1 Preparation					
1.1	Step 1	Open and reset the GDB Trace perspective	GDB Trace perspective opens with correct views	Manual	Pass Automation Candidate
1.2	Step 2	Open Navigator View (used for independent verification)	Navigator View opens	Manual	Pass Automation Candidate
2 Project Creation					
2.1	New Project Wizard	Open New Tracing Project Wizard	Tracing Project Wizard opens	SWTBot	Pass
2.2	Create project	Specify a project name and finish	Tracing project appears in Project Explorer	SWTBot	Pass
2.3	Project structure	Close and open the new Tracing project	Project contains the Traces folder	SWTBot	Pass
3 Traces Folder					
3.1	Traces Folder menu	Select the Traces folder and open its context menu	Correct menu opens (Open Trace, Import, New Folder, ...)	SWTBot	Pass
3.2	Trace Import Wizard	Select Import Trace	Trace Import Wizard appears	SWTBot	Pass
3.3	Import traces	Select a GDB Trace from samples directory and finish	Imported traces appear in Folders with proper icon	Manual	Pass
4 Trace Configuration					
4.1	Project/executable selection	Double-click on an un-configured trace	Verify that an Error Dialog opens that notifies the user to select the trace executable	Manual	Pass
4.2	Select Trace Executable	1) Right mouse click on trace 2) Select menu item "Select Trace Executable" 3) Fill in the proper values in dialog and finish	Trace is configured (4.3 is successful, when 4.2 was successful)	Manual	Pass
4.3	Open configured trace	Double-click on a configured trace	Trace is opened, events table and views are populated	Manual	Pass
5 Source Code Lookup					
5.1	Select event	With mouse select an event in events table	The corresponding source code location is selected in the source code file.	Manual	Pass
5.2	Select another event	redo 5.1	The corresponding source code location is selected in the source code file.	Manual	Pass
6 Events Table Navigation					
6.1	Arrow keys	Update the current event using up/down keys within window	Each keystroke modifies the selected event and the corresponding source code location is selected in the source code file.	Manual	Pass Redundant
6.2	Scrolling	Update the current event using up/down keys outside window	Table is refreshed to display new current event and the corresponding source code location is selected in the source code file	Manual	Pass Redundant
6.3	PgUp/PgDn	Update the current event using PgUp/PgDn keys	Table is scrolled accordingly	Manual	Pass Redundant
6.4	Home/End	Update the current event using Home/End keys	Table jumps from first to last event and the corresponding source code location is selected in the source code file	Manual	Pass Redundant
7 Events Searching & Filtering					
7.1	Search	In the search bar, enter some RE	Events corresponding to the RE are highlighted	SWTBot	Pass
7.2	Navigation	Navigate through highlighted events using Enter/Shift-Enter	Next/previous highlighted event selected accordingly	SWTBot	Pass
7.3	Un-search	In the search bar, clear the RE	Events are displayed normally	SWTBot	Pass
7.4	Filter	In the search bar, enter some RE and press Ctrl+Enter	Only events matching RE are displayed	SWTBot	Pass
7.5	Filter & Search	In the filter bar, enter some RE; likewise in the search bar	Events are filtered and highlighted accordingly	SWTBot	Pass
7.6	Un-filter	In the filter header, remove the filter	Events are displayed normally	SWTBot	Pass
8 Events Synchronization					
8.1	Synch from Events View	Click on an event in the Events View	Trace Control View is updated; Debug View is updated	Manual	Pass
8.2	Synch from Trace Control	Go up/down from the Trace Control View	Events View is updated accordingly	Manual	Pass

Section		Pass	Fail	Type	To Do	Comment
LTTng 2.0 - CPU Analysis		27	0	5	0	2
Target:						
Step	Test Case	Action	Verification	Type	Comment	
0 Prerequisites						
0.1	Import traces	Import LTTng Kernel traces in Tracing project				
1 Project View						
1.1	Check analysis can execute	In the project explorer and expand a LTTng Kernel trace	"CPU usage" analysis is present and it's not crossed out	Manual	Pass	84702
1.2	Verify help message when applicable	In the project explorer, open and expand the LTTng kernel trace, right-click the CPU usage analysis and select Help	A generic help message appears with the name of the analysis	Manual	Pass	
1.5	Check analysis for another trace type	In the project explorer, expand a non-LTTng Kernel trace	"CPU usage" analysis is not present	Manual	Pass	84702
2 View Management						
2.1	Populate analysis's view	Open an LTTng kernel trace and expand the "CPU usage" analysis in the project explorer	"CPU Usage" View appears under the analysis	Manual	Pass	
2.2	Open view	Double-click the CPU usage View under the CPU usage analysis	The CPU usage Usage view opens and triggers the cpu analysis. After the analysis, both tree viewer and xy charts are populated.	SWTBot	Pass	
2.3	Close trace	Close the trace	The CPU Usage view is emptied.	Manual	Pass	
2.4	Open trace	With the view already opened, open the trace	The CPU Usage view is populated.	SWTBot	Pass	
2.5	Close view	Close the CPU Usage view	The view is closed.	Manual	Pass	
2.6	Re-open view	Double-click the CPU Usage view under the CPU usage analysis in project explorer.	The view opens and is automatically populated.	SWTBot	Pass	
3 View selection						
3.1	Select an entry	Select an entry in the tree viewer section	A new series is added to the xy chart, corresponding to the selected TID	SWTBot	Pass	

3.2	Select another entry	Select another entry from the tree viewer	A new series is added to the xy chart, and the previous TID's series is not displayed anymore	Manual	Pass	Behavior is the one described in H22	Christophe: not sure I understand. Multiple series can be selected; when selecting a 2nd series, the first one is still displayed. Simon: I think this is old and refers to an older view. With the new tree view the behavior is as you described
4	Mouse handling						
4.1	Drag move time range	Drag move xy chart left and right with middle button and shift mouse wheel	Time range is dragged. When mouse button is released, series are updated and new time range is propagated to other views.	Manual	Pass		
4.2	Zoom time range (mouse wheel)	Zoom with ctrl mouse wheel up and down, cursor inside xy chart	Time range is zoomed in and out, relative to mouse cursor. When mouse wheel is stopped for a short time, series are updated and new time range is propagated to other views, including the tree viewer beside the chart. The selected process remains the same.	SWTBot	Pass		
4.3	Mouse vertical scroll	Scroll with mouse wheel up and down, cursor outside xy chart	Table scroll up and down. Selected process does not change. Vertical scroll bar updated.	Manual	Pass		
4.4	Vertical scroll bar	Click and drag vertical scroll bar	Tree viewer scrolls up and down. Selected process does not change.	Manual	Pass		
4.5	Drag select time range	Drag select time graph with right button in xy chart	Selection highlighted. When mouse button is released, time range is zoomed to selection, series are updated and new time range is propagated to other views. Selected process remains the same.	Manual	Pass		Christophe: selected process is lost if the new time range does not contain data from the process, even when zooming back out. Not sure if it should be marked as a fail.
4.6	Mouse hover	Hover mouse in xy chart region anywhere	Tool tip shows the total and selected process (if any) cpu usage at the time	Manual	Pass		
4.7	Drag mouse selection	Drag select xy chart with left button	Selection highlighted and selection range is propagated to other views	Manual	Pass		

4.8	Shift key selection	Click select with left button (begin time), press shift key and click select another time (end time)	Selection highlighted and selection rang is propagated to other views	Manual	Pass	
4.9	Sort columns	Click on column headers once then twice	Entries are sorted in ascending then descending order on the column value. Selected process does not change.	Manual	Pass	Simon: Sometime with GTK3 sorting by column cause the process column to add extra padding between the checkbox and the label. On GTK2 everything seems fine
4.10	Drag mouse selection (Status bar)	Drag select xy chart with left button	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass	
4.11	Shift key selection (Status bar)	Click select with left button (begin time), press shift key and click select another time (end time)	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass	
5	Keyboard handling					
5.1	Keyboard navigation in tree viewer	With focus on table, use UP, DOWN, HOME, END keys	Selected process is changed. xy chart selection is updated. Vertical scroll bar updated.	Manual	Pass	
6	Synchronization					
6.1	Time synchronization	Select a random time in another view	Selected time line is updated. If selected time is outside current range, time range is updated to include it.	Manual	Pass	
6.2	Time range synchronization	Select a new time range in CPU usage view or in Histogram view.	Time range is updated.	Manual	Pass	
6.3	Time range selection synchronisation	In any other view that supports range synchronization, select a new range.	Selection is highlighted. If the most left time (T1) of selected time range is outside the current range, then time range is updated to include it	Manual	Pass	

	CPU usage works with experiments			Manual	Pass	works only with 1 trace experiments	works with 1 kernel trace experiments
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Section		Pass	Fail	To Do	Comment	
TMF - Remote Fetching		53	0	51	0	16
Target:						
Step	Test Case	Action	Verification	Type		Comment
1 Preparation						
1.1	Step 1	Open Trace Compass and reset Ltng perspective	Ltng perspective opens with correct views			
2 Opening						
2.1	Open Profile Editor 1	Right-click on Traces Folder -> Fetch Remote Traces ... -> Manage Profiles	The Profile Editor of preference page opens	SWTBot	Pass	Bruno : Not this test, but the Fetch Remotes Traces dialog, has a help button that does nothing. Patrick: See Bug 440238.
2.2	Open Profile Editor 2	Window -> Preferences-> Tracing -> Remote Profiles	The Profile Editor of preference page opens	SWTBot	Pass	
3 Edit Profile - Add/Delete						
3.1	Create Profile	Open Profile Editor > Click on 'Add' > Enter profile name, remote information, root path and trace pattern	New Profile is created and template is provided	SWTBot	Pass	
3.2	Add Node	Select Profile node > right mouse click > select 'New Connection Node'	New Connection Node is create under the profile and template is provided	SWTBot	Pass	
3.3	Add trace group	Select node node > righ mouse click > select 'New Trace Group'	New Trace Group is created under the node and template is provided	SWTBot	Pass	
3.4	Add trace	Select trace group > right mouse click > select 'New Trace'	New Trace is created under Trace Group and template is provided	SWTBot	Pass	
3.5	Delete Trace	Select trace > right mouse click > select Delete	Trace is deleted	SWTBot	Pass	
3.6	Delete Trace Group	Select Trace Group> right mouse click > select Delete	Trace Group is deleted	RCPTT	Pass	
3.7	Delete Connection Node	Select Connection Node > right mouse click > select Delete	Connection Node is deleted	RCPTT	Pass	
3.8	Remove Profile	Select Profile > click on 'Remove' button	Profile is deleted	SWTBot	Pass	
4 Edit Profile - Reorder						
4.1	Move profile up/down	Create at 2-3 profiles > select 2nd profile and press buttons 'Move Up'/'Move Down'	Profiles are moved up and down	RCPTT	Pass	
4.2	Move connection node up/down	Make sure that there are 2 or 3 connection nodes > select 1 connection node > click buttons 'Move Up'/'Move Down'	Connection Nodes are moved up and down within a profile	RCPTT	Pass	
4.3	Move Trace Group up/down	Make sure that there are 2 or 3 trace gropus > select 1 trace group > click buttons 'Move Up'/'Move Down'	Trace Groups are moved up and down within a connection node	RCPTT	Pass	
4.4	Move Trace up/down	Make sure that there are 2 or 3 trace groups > select 1 traces > click buttons 'Move Up'/'Move Down'	Traces are moved up and down within a Trace Group	SWTBot	Pass	
5 Edit Profile - Copy, Cut, Paste						
5.1	Copy/Paste Profile	Select Profile > click right mouse button on a profile > Select Copy -> click right mouse button on other profile > Select Paste	Profile is pasted under the selected profile	RCPTT	Pass	
5.2	Copy/Paste Profile (Keys)	Redo 5.1 with CTRL+C and CTRL+V keys	Profile is pasted under the selected profile	RCPTT	Pass	

5.3	Copy/Paste Connection Node	Select Profile > click right mouse button on a Connection Node > Select Copy -> click right mouse button on other Connection Node > Select Paste	Profile is pasted under the selected Connection Node	RCPTT	Pass	
5.4	Copy/Paste Connection Node (Keys)	Redo 5.3 with CTRL+C and CTRL+V keys	Profile is pasted under the selected Connection Node	RCPTT	Pass	
5.5	Copy/Paste Trace Group	Select Profile > click right mouse button on a Trace Group > Select Copy -> click right mouse button on other Trace Group > Select Paste	Profile is pasted under the selected Trace Group	RCPTT	Pass	
5.6	Copy/Paste Trace Group (Keys)	Redo 5.5 with CTRL+C and CTRL+V keys	Profile is pasted under the selected Trace Group	RCPTT	Pass	
5.7	Copy/Paste Trace	Select Profile > click right mouse button on a Trace > Select Copy -> click right mouse button on other Trace > Select Paste	Profile is pasted under the selected Trace	SWTBot	Pass	
5.8	Copy/Paste Trace (Key)	Redo 5.5 with CTRL+C and CTRL+V keys	Profile is pasted under the selected Trace	RCPTT	Pass	
5.9	Cut/Paste	Redo 5.1 - 5.8 with cut and paste	Successful cut and paste	RCPTT	Pass	Trace (5.7) is done with SWTBot
6 Edit Profile - Adverserial						
6.1	Error empty profile name	Clear profile name	Error message "Profile must not be empty"	RCPTT	Pass	
6.2	Duplicate profile name	Add profile with name of existing profile	Error message "<name>: Duplicate profile name"	RCPTT	Pass	
6.3	Error empty Connection node name	Clear Connection node name	Error message "Node name must not be empty"	RCPTT	Pass	
6.4	Duplicate Connection node name	Within a profile, add Connection node with name of existing node	Error message "Duplicate node names"	RCPTT	Pass	
6.5	Missing username in URI	remove user name of a Connection Node	Error message "URI must include user information"	RCPTT	Pass	
6.6	Invalid URI	add invalid URI	Error message "URI must include valid host and port number" or "Unsupported URI scheme"	RCPTT	Pass	
6.7	Error empty Trace Group	Delete Trace Group root path	Error message "Root path must not be empty"	RCPTT	Pass	
6.8	Error empty Trace	Delete File Pattern	Error message "File pattern must not be empty"	RCPTT	Pass	
6.9	Invalid File pattern	Add trace with invalid regular expression	Error message "Invalid file pattern"	RCPTT	Pass	
5 Export/Import Profile						
7.1	Export Profile	Select multiple profiles > Click Export Button > Select Folder and enter file name > OK	Only selected profiles are exported	SWTBot	Pass	
7.2	Import Profile	Click on Import Button > select profile XML file > OK	Profiles are imported	SWTBot	Pass	
7.3	Import Profile	Redo 7.2	after second import an error message appears "Duplicate profile names"	SWTBot	Pass	
8 Remote Fetch Wizard						
8.1	Preparation	1) Generate CTF trace in <plugin>/generated/synthetic-trace 2) Import profiles from <plugin>/profiles/test-profiles.xml		SWTBot	Pass	

8.2	Create and run Profile "new Profile" (syslog + synthetic CTF trace in sub-directory)	1) Create Profile with Local connection, 1 trace group (root /tmp/traces/) and 2 traces (*.syslog.* and *.synthetic.*) in this group 2) Select profile in Fetch Remote Traces wizard (Remote Profile page) 3) Click on 'Next' button 4) Click on 'Finish'	Verify that all test traces are imported with correct trace types assigned. Verify that folder structure is preserved.	SWTBot	Pass	Local connection is used in SWTBot
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.3	Create and run Profile "new Profile" (syslog + synthetic CTF trace in sub-directory), only 1 trace selected	1) Create Profile with Local connection, 1 trace group (root /tmp/traces/) and 2 traces (*.syslog.* and *.synthetic.*) in this group 2) Select profile in Fetch Remote Traces wizard (Remote Profile page) 3) Click on 'Next' button 4) deslect the synthetic CTF trace 5) Click on 'Finish'	Verify that only the selected traces are imported with correct trace types assigned. Verify that folder structure is preserved.	SWTBot	Pass	Local connection is used in SWTBot
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.4	Run Profile "TestAllRecursive"	1) Select profile "TestAllRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) Click on 'Finish'	Verify that all test traces are imported with correct trace types assigned (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized.log is imported with unrecognized trace type. Make sure that directory structure is preserved.	SWTBot	Pass	Local connection is used in SWTBot
8.5	Re-run Profile "TestAllRecursive" (Rename)	1) Select profile "TestAllRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) Click on 'Finish' 4) In dialog box select 'Rename' for the first trace and 'Rename ALL' for the second traces	Verify that all test traces are imported with new name and correct trace types assigned (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized.log is imported with unrecognized trace type. Make sure that directory structure is preserved.	SWTBot	Pass	Local connection is used in SWTBot
8.6	Re-run Profile "TestAllRecursive" (Overwrite)	1) Select profile "TestAllRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) Click on 'Finish' 4) In dialog box select 'Overwrite' for the first trace and 'Overwrite ALL' for the second traces	Verify that all test traces are imported with correct trace types assigned where old traces are overwritten. (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized.log is imported with unrecognized trace type. Make sure that directory structure is preserved.	SWTBot	Pass	Local connection is used in SWTBot
8.7	Re-run Profile "TestAllRecursive" (Skip)	1) Select profile "TestAllRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) Click on 'Finish' 4) In dialog box select 'Skip' for the first trace and 'Skip ALL' for the second traces	Verify that all test traces are skipped and no trace is imported	SWTBot	Pass	Local connection is used in SWTBot
8.8	Re-run Profile "TestAllRecursive" (Overwrite 2)	1) Select profile "TestAllRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Select checkbox 'Overwrite traces without warning' 3) Click on 'Next' button (enter password if needed) 4) Click on 'Finish'	Verify that all test traces are imported with correct trace types assigned where old traces are overwritten (no dialog box opens). (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized.log is imported with unrecognized trace type. Make sure that directory structure is preserved.	SWTBot	Pass	Local connection is used in SWTBot
	Clear traces	Delete all traces from Traces directory	All traces deleted			

8.9	Re-run Profile "TestAllRecursive" (2)	1) Select profile "TestAllRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Finish' (enter password if needed)	Verify that all test traces are imported with correct trace types assigned. The second page is omitted. (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized.log is imported with unrecognized trace type. Make sure that directory structure is preserved.	SWTBot	Pass	Local connection is used in SWTBot
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.10	Run Profile "TestAllNonRecursive"	1) Select profile "TestAllNonRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) Click on 'Finish'	Verify that only traces from root path are imported (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized.log is imported with unrecognized trace type. Make sure that directory structure is preserved.	SWTBot	Pass	Local connection is used in SWTBot
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.11	Run Profile "TestSpecificRecursive"	1) Select profile "TestSpecificRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) Click on 'Finish'	Verify that only kernel and custom text/XML logs are imported from root and subdirectory. Make sure that directory structure is preserved.	SWTBot	Pass	Local connection is used in SWTBot
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.12	Run Profile "TestSpecificNonRecursive"	1) Select profile "TestSpecificNonRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) Click on 'Finish'	Verify that only kernel and custom text/XML logs are imported from root directory only. Make sure that directory structure is preserved.	SWTBot	Pass	Local connection is used in SWTBot
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.13	Run Profile "TestSpecificMultiGroupRecursive"	1) Select profile "TestSpecificMultiGroupRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) Click on 'Finish'	Verify that only traces from root path are imported (LTTng kernel, LTTng UST, custom text, custom XML). Make sure that directory structure is preserved.	SWTBot	Pass	Local connection is used in SWTBot
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.14	Cancel Import	1) Select profile "TestAllRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) Click on 'Finish' 4) Cancel import (red square or Cancel button)	Verify that import operation is cancelled	SWTBot	Pass	Local connection is used in SWTBot
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.15	Run Profile "TestMultiNodes"	1) Select profile "TestMultiNodes" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) Click on 'Finish'	Verify that only traces from root path are imported (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized.log is imported with unrecognized trace type. Make sure that directory structure is preserved. 2 nodes directories are created with the above traces stored	SWTBot	Pass	Local connection is used in SWTBot
9	Connection Handling					
9.1	Error cannot connect to remote host (node doesn't exist)	Create profile with IP address that cannot be connected to and run profile	Operation to connect to remote node fails and error dialog is shown with detailed information (after time-out)	SWTBot	Pass	

9.2	Error cannot connect to remote host (wrong password)	Create profile with valid IP address. When asked for password enter invalid password	Operation to connect to remote node fails with time-out and error dialog is shown with detailed information. Note time-out is as per remote development preferences	Manual	Pass
10 Other Remote Backends					
	Clear traces	Delete all traces from Traces directory	All traces deleted		
10.2	Remote Fetch using SSH	Update profile with local username and run test 9.2 entering the correct password	Verify that all test traces are imported with correct trace types assigned (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized.log is imported with unrecognized trace type. Make sure that directory structure is preserved.	Manual	Pass

Section	Pass	Fail	Type	To Do	Comment
LTTng 2.0 - Control Flow View	52	0	16	0	2
Target:					
Step	Test Case	Action	Verification		Comment
0 Prerequisites					
0.1	Import traces	Import LTTng Kernel traces in Tracing project			
0.2	Create experiment	Create an experiment with LTTng Kernel traces			
1 View management					
1.1	Open perspective	Open and reset LTTng Kernel Perspective	Control Flow view opens.	SWTBot	Pass
1.2	Open trace	Open LTTng Kernel trace in Project Explorer	Control Flow view is populated with processes, sorted by Trace then TID. Child processes appear under their parent, sorted by birth time. Range is set to initial offset. Arrows are drawn between states of a CPU.	SWTBot	Pass
1.2	Open experiment	Open experiment with LTTng Kernel traces in Project Explorer	Control Flow view is populated with processes, sorted by Trace then TID. Child processes appear under their parent, sorted by birth time. Range is set to initial offset. Arrows are drawn between states of a CPU.	Manual	Pass
1.3	Close view	Close the Control Flow view	View is closed.	SWTBot	Pass
1.4	Open view	Open the Control Flow view	Control Flow view is opened and populated with processes.	SWTBot	Pass
2 View selection					
2.1	Select process in table	Select a process in the table	Same process is highlighted in time graph.	Manual	Pass
2.2	Select process in time graph	Select a process in the time graph (empty region)	Same process is highlighted in table. Selected time line is updated. Other views are synchronized to selected time.	Manual	Pass
2.3	Select state in time graph	Select a state in the time graph	Same process is highlighted in table. State is highlighted in time graph. Selected time line is updated. Other views are synchronized to selected time.	Manual	Pass
3 Mouse handling					
3.1	Drag move chart area	Ctrl-Drag move time graph left and right with middle button	Visible range is dragged. When mouse button is released, states are updated and new time range is propagated to other views.	Manual	Pass
3.2	Zoom time range (mouse wheel)	Zoom with mouse wheel up and down, cursor inside time graph while holding the Ctl button	Time range is zoomed in and out, relative to mouse cursor. When mouse wheel is stopped for a short time, states are updated and new time range is propagated to other views.	Manual	Pass
3.3	Zoom time range (mouse drag)	Drag in time graph scale left and right with left button	Time range is zoomed in and out. When mouse button is released, states are updated and new time range is propagated to other views.	Manual	Pass

3.4	Mouse vertical scroll	Scroll with mouse wheel up and down	Table and time graph scroll up and down and remain aligned. Selected process does not change. Vertical scroll bar updated.	Manual	Pass	
3.5	Vertical scroll bar	Click and drag vertical scroll bar	Table and time graph scroll up and down and remain aligned. Selected process does not change.	Manual	Pass	
3.6	Drag zoom time range	Drag select time graph with right button	Selection highlighted. When mouse button is released, time range is zoomed to selection, states are updated and new time range is propagated to other views.	Manual	Pass	
3.7	Double-click reset time range	Double-click left button on time scale	Time range is reset to full range, states are updated and new time range is propagated to other views.	Manual	Pass	Removes focus on time graph
3.8	Mouse hover (empty region)	Hover mouse in time graph over empty region	Tool tip shows process name only.	Manual	Pass	
3.9	Mouse hover (state)	Hover mouse in time graph over state	Tool tip shows process name, state name, date, start time, stop time, duration. For USERMODE state, CPU is shown. For SYSCALL state, CPU and System Call is shown. For INTERRUPTED state, CPU is shown.	Manual	Pass	
3.10	Drag mouse selection	Drag select time graph with left button	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass	
3.11	Shift key selection	Click select with left button (begin time), press shift key and click select another time (end time)	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass	
4	Keyboard handling					
4.1	Keyboard navigation in time graph (process selection)	With focus on time graph, use UP, DOWN, HOME, END keys	Selected process is changed. Table selection is updated. Vertical scroll bar updated.	Manual	Pass	
4.2	Keyboard navigation in time graph (state selection)	With focus on time graph, use LEFT, RIGHT keys	Previous or next state is selected. Selected time is updated in other views.	SWTBot	Pass	
5	Tool bar handling					
5.1	Show Legend	Click Show Legend button	The legend dialog is opened and can be closed.	SWTBot	Pass	
5.2	Reset Time Scale	Click Reset Time Scale button	Time range is reset to full range, states are updated and new time range is propagated to other views.	SWTBot	Pass	
5.3	Select Previous/Next Event	Click Previous/Next Event button	Previous or next state is selected. Selected time is updated in other views.	SWTBot	Pass	
5.4	Select Previous/Next Process	Click Previous/Next Process button	Selected process is changed in table and time graph. Vertical scroll bar updated.	Manual	Pass	

5.5	Zoom In/Out	Click Zoom In/Out button	Time range is zoomed in and out, relative to center of selection or window. States are updated and new time range is propagated to other views.	Manual	Pass
5.6	Filter Dialog	Open Filter Dialog	Verify that all buttons are working correctly	SWTBot	Pass
5.7	Filter Processes	1) Open Filter Dialog 2) Deselect several processes 3) Press Ok	Verify that only selected processes are displayed in the view	SWTBot	Pass
5.8	Hide Arrows	Click Hide Arrows button	Verify that arrows are not drawn in the time graph	Manual	Pass
5.9	Follow CPU Forward	With focus on time graph, click Follow CPU Forward button	Time graph is updated to show the next state for this cpu following the arrow, the event is selected in the Events editor.	SWTBot	Pass
5.10	Follow CPU Backward	With focus on time graph, click Follow CPU Backward button	Time graph is updated to show the previous state for this cpu following the arrow, the event is selected in the Events editor.	SWTBot	Pass
5.11	Optimize	Click on the optimize button	verify that the processes are closer together.	SWTBot	Pass
5.12	Re-Optimize	Click on the optimize button a few more times	verify that the processes did not move, the optimization is stable	SWTBot	Pass
5.13	Go to next event of selected thread	Select a thread and click on go to next event of selected thread	Verify in the events table that the selected thread is the same as the previous event	Manual	Pass
5.14	Go to previous event of selected thread	Select a thread and click on go to previous event of selected thread	Verify in the events table that the selected thread is the same as the previous event	Manual	Pass
6 Synchronization					
6.1	Time synchronization	Select a random time in another view	Selected time line is updated. If selected time is outside current range, time range is updated to include it.	Manual	Pass
6.2	Event synchronization	Select a state-impacting event (sched_switch, syscall, ...) in events table or in Resources view using Select Previous/Next event.	In addition to updating the selected time, the process containing the state change is selected and revealed. Vertical scroll bar is updated if necessary.	Manual	Pass
6.3	Window range synchronization	Select a new window range in Resources view or in Histogram view.	Window range is updated.	Manual	Pass
6.4	Selection range synchronization	In any other view that supports selection range synchronization, select a new range.	Selection is highlighted. If the left time (T1) of selected time range is outside the current range, then window range is updated to include it	Manual	Pass
7 Multiple Trace Synchronization					

	Preparation	1) Download traces.zip (if necessary) and unzip into a local directory \${local} 2) Import kernel trace \${local}/traces/import/kernel-overlap-testing 3) Import UST \${local}/traces/import/trace ust-overlap-testing 4) Create experiment with trace of 2) in it				
7.1	Open multiple traces (no overlap)	Open multiple traces that don't overlap in time	View shows the last opened trace	Manual	Pass	
7.2	Change selected time and range (no overlap)	Select a time and new range	Selected time line and time range is updated to selected time and new range.	Manual	Pass	
7.3	Select other trace (no overlap)	Select different trace by clicking its Events editor tab	View is updated to show selected trace. Selected time line and time range are restored to the selected trace's previously selected time and range.	Manual	Pass	
7.4	Open multiple traces (overlap)	- Open multiple traces that overlap in time - For both traces, in Events table right mouse-click -> "Follow time updates from other traces"	View shows the last opened trace	Manual	Pass	
7.5	Change selected time and range (overlap)	Select a time and new range	Selected time line and time range is updated to selected time and new range.	Manual	Pass	
7.6	Select other trace (overlap)	Select different trace by clicking its Events editor tab	View is updated to show selected trace. Selected time line and time range are set to the newly selected time and range.	Manual	Pass	
7.7	Close all traces	Close all Events editor tabs	View is cleared.	SWTBot	Pass	
8.1	Filtering					
	Preparation	Open 2 LTTng Kernel Traces				
8.1	Apply filter (1st trace)	1) Open filter dialog 2) Create filter 3) Click on OK	Make sure that only selected processes of filter dialog are shown	SWTBot	Pass	
8.2	Apply filter (2nd trace)	1) Switch to 2nd trace (keep 1st open) 2) Open filter dialog 3) Create filter 4) Click on OK	Make sure that only selected processes of filter dialog are shown	Manual	Pass	
8.3	Persitent filter	Switch between both open traces	Make sure that previously set filter are still available	Manual	Pass	
9	Miscellaneous					
9.1	Restart (Bug 409345)	1) Open LTTng Kernel Trace 2) Select Control Flow View 3) Restart Eclipse	Verify that Control Flow View is populated	Manual	Pass	
9.2	Select single time (Bug 477009)	1) Open LTTng UST trace while CFV is open 2) Select event in events table	Verify that Control Flow View is empty, current window range stays change to ensure visibility	Manual	Pass	

9.3	Window range synchronization (Bug 477012)	1) Open Control Flow view, Resources view and a kernel trace. Initial window range is 'range 1'. 2) Go "right one page" on Control Flow view by pressing right arrow in scroll bar. 3) Go "left one page" on Resources view by pressing left arrow in scroll bar. 4) Go "right one page" on Control Flow view.	Verify that after each step the initial window range doesn't change	Manual	Pass	Test on Windows
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Section	Pass	Fail	To Do	Comment		
LTTng 2.0 - Resources View	40	0	11	0	3	
Target:						
Step	Test Case	Action	Verification		Comment	
0	Prerequisites					
0.1	Import traces	Import LTTng Kernel traces in Tracing project				
0.2	Create experiment	Create an experiment with LTTng Kernel traces				
1	View management					
1.1	Open perspective	Open and reset LTTng Kernel Perspective, and select Resources view	Resource view opens.	SWTBot	Pass	
1.2	Open trace	Open LTTng Kernel trace in Project Explorer	Resource view is populated with traces (sorted by name) and their resources as tree children (sorted by resource type then numerically) Range is set to initial offset.	SWTBot	Pass	
1.2	Open experiment	Open experiment with LTTng Kernel traces in Project Explorer	Resource view is populated with traces (sorted by name) and their resources as tree children (sorted by resource type then numerically) Range is set to initial offset.	Manual	Pass	
1.3	Close view	Close the Resources view	View is closed.	SWTBot	Pass	
1.4	Open view	Open the Resources view	Resources view is opened and populated with processes.	SWTBot	Pass	
2	View selection					
2.2	Select resource in time graph	Select a resource in the time graph (empty region)	Resource is highlighted. Selected time line is updated. Other views are synchronized to selected time.	Manual	Pass	
2.3	Select state in time graph	Select a state in the time graph	State is highlighted in time graph. Selected time line is updated. Other views are synchronized to selected time.	Manual	Pass	
3	Mouse handling					
3.1	Drag move canvas	Drag move time graph left and right with middle button	Time range is dragged. When mouse button is released, states are updated and new window range is propagated to other views.	Manual	Pass	Automation Candidate
3.2	Zoom time range (mouse wheel)	Zoom with mouse wheel up and down on header or Ctrl+mousewheel in the time graph	Time range is zoomed in and out, relative to mouse cursor. When mouse wheel is stopped for a short time, states are updated and new time range is propagated to other views.	Manual	Pass	Automation Candidate
3.3	Zoom time range (mouse drag)	Drag in time graph scale left and right with left button	Time range is zoomed in and out. When mouse button is released, states are updated and new time range is propagated to other views.	Manual	Pass	Automation Candidate
3.4	Mouse vertical scroll	Scroll with mouse wheel up and down, cursor outside time graph (in name space)	Time graph scrolls up and down. Selected process does not change. Vertical scroll bar updated.	Manual	Pass	Automation Candidate
3.5	Vertical scroll bar	Click and drag vertical scroll bar	Time graph scroll up and down and remain aligned. Selected process does not change.	Manual	Pass	Automation Candidate
3.6	Drag select time range	Drag select time graph with right button	Selection highlighted. When mouse button is released, time range is zoomed to selection, states are updated and new time range is propagated to other views.	Manual	Pass	Automation Candidate

3.7	Double-click reset time range	Double-click left button on time scale	Time range is reset to full range, states are updated and new time range is propagated to other views.	Manual	Pass		Automation Candidate
3.8	Mouse hover (empty region)	Hover mouse in time graph over empty region	Tool tip shows resource name only.	Manual	Pass		
3.9	Mouse hover (state)	Hover mouse in time graph over state	Tool tip shows resource name, state name, date, start time, end time, duration. For IRQ state, IRQ number is shown. For IRQ_ACTIVE/SOFT_IRQ_ACTIVE state, CPU is shown. On usermode and syscall tool tip shows also shows hover time, tid and process name.	Manual	Pass		Automation Candidate
3.10	Drag mouse selection	Drag select time graph with left button	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass		
3.11	Shift key selection	Click select with left button (begin time), press shift key and click select another time (end time)	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass		
4	Keyboard handling						
4.1	Keyboard navigation in time graph (process selection)	With focus on time graph, use UP, DOWN, HOME, END keys	Selected process is changed. Vertical scroll bar updated.	Manual	Pass		
4.2	Keyboard navigation in time graph (state selection)	With focus on time graph, use LEFT, RIGHT keys	Previous or next state is selected. Selected time is updated in other views.	SWTBot	Pass		TimeGraphViewTest
5	Tool bar handling						
5.1	Show Legend	Click Show Legend button	The legend dialog is opened and can be closed.	SWTBot	Pass		TimeGraphViewTest
5.2	Reset Time Scale	Click Reset Time Scale button	Time range is reset to full range, states are updated and new time range is propagated to other views.	SWTBot	Pass		TimeGraphViewTest
5.3	Select Previous/Next Event	Click Previous/Next State button	Previous or next state is selected. Selected time is updated in other views.	SWTBot	Pass		TimeGraphViewTest
5.4	Select Previous/Next Process	Click Previous/Next Process button	Selected process is changed in time graph. Vertical scroll bar updated.	Manual	Pass		Automation Candidate
5.5	Zoom In/Out	Click Zoom In/Out button	Time range is zoomed in and out, relative to center of selection or window. States are updated and new time range is propagated to other views.	Manual	Pass	Time range is zoomed relative to selected time. If there is no selected time, it is sometimes zoomed relative to left of window	
5.6	Filter Dialog	Open Filter Dialog	Verify that all buttons are working correctly	SWTBot	Pass		TimeGraphViewTest
6	Synchronization						
6.1	Time synchronization	Select a random time in another view	Selected time line is updated. If selected time is outside current range, time range is updated to include it.	Manual	Pass	If selected time T1 is outside range, time range is updated to include it in center of window.	Automation Candidate
6.2	Time range synchronization	Select a new time range in Control Flow view or in Histogram view.	Time range is updated.	Manual	Pass	If selected time T1 is outside range, time range is updated to include it in center of window. T2 is sometimes not included in time window, even if it could be.	Automation Candidate

6.3	Time range selection synchronisation	In any other view that supports range synchronization, select a new range.	Selection is highlighted. If begin time (T1) of selected time range is outside the current range, then time range is updated to include it	Manual	Pass		Automation Candidate
7 Multiple Trace Synchronization							
	Preparation	1) Download traces.zip (if necessary) and unzip into a local directory \${local} 2) Import kernel trace \${local}/traces/import/kernel-overlap-testing 3) Import UST \${local}/traces/import/trace-ust-overlap-testing 4) Create experiment with trace of 2) in it					
7.1	Open multiple traces (no overlap)	Open multiple traces that don't overlap in time	View shows the last opened trace	Manual	Pass		
7.2	Change selected time and range (no overlap)	Select a time and new range	Selected time line and time range is updated to selected time and new range.	Manual	Pass		
7.3	Select other trace (no overlap)	Select different trace by clicking its Events editor tab	View is updated to show selected trace. Selected time line and time range are restored to the selected trace's previously selected time and range.	Manual	Pass		
7.4	Open multiple traces (overlap)	- Open multiple traces that overlap in time - For both traces, in Events table right mouse-click -> "Follow time updates from other traces"	View shows the last opened trace	Manual	Pass		
7.5	Change selected time and range (overlap)	Select a time and new range	Selected time line and time range is updated to selected time and new range.	Manual	Pass		
7.6	Select other trace (overlap)	Select different trace by clicking its Events editor tab	View is updated to show selected trace. Selected time line and time range are set to the newly selected time and range.	Manual	Pass		
7.7	Close all traces	Close all Events editor tabs	View is cleared.	SWTBot	Pass		
8.1 Filtering							
	Preparation	Open 2 LTTng Kernel Traces					
8.1	Apply filter (1st trace)	1) Open filter dialog 2) Create filter 3) Click on OK	Make sure that only selected processes of filter dialog are shown	SWTBot	Pass		
8.2	Apply filter (2nd trace)	1) Switch to 2nd trace (keep 1st open) 2) Open filter dialog 3) Create filter 4) Click on OK	Make sure that only selected processes of filter dialog are shown	Manual	Pass		Automation Candidate
8.3	Persistent filter	Switch between both open traces	Make sure that previously set filter are still available	Manual	Pass		Automation Candidate
9 Miscellaneous							
9.1	Restart (Bug 409345)	1) Open LTTng Kernel Trace 2) Select Resource View 3) Restart Eclipse	Verify that Resources View is populated	Manual	Pass		

Section	Pass	Fail	Type	To Do	Comment
LTTng 2.0 - Control View	131	0	118	0	26
Target:					
Step	Test Case	Action	Verification	Type	Comment
0 Prerequisites					
0.1	Set Proxy	a) Window → Preferences → General → Network Connections b) Set "Active Provider" to "Direct"	LTTng Tracer Control User Guide: http:		
1 General					
1.1	Open perspective	Open and reset LTTng Kernel Perspective	LTTng Kernel perspective opens with correct Control view on the left bottom corner	SWTBot	Pass
2 Manage View					
2.1	Close view	Close Control View	Control view is removed from perspective	Manual	Pass
2.2	Open Control view	Use menu Window → Show View → Other ... → Lttng → Control	Verify that Control view is shown	SWTBot	Pass
3 Connection Handling					
3.1	Create Host Connection	1) Click Button 'New Connection...' 2) Select Tree item "Built-in SSH" and click on Create 3) Enter Connection Name (e.g. MyHost), enter Host Name (a DNS name or IP address), username and password 4) Click 'Finish' 5) In Tree select the newly create connection and click on 'Ok'	Make sure that after 4) the new connection is shown in the tree. Verify that the new host is shown in the Control view (with 'Connection Name'. After Ssh connection has been established, make sure that Provider and Session nodes are created in the Control view underneath the host. Verify that all active Providers (Kernel and UST providers) are shown under the 'Provider' node.	RCPTT	Pass
3.2	Disconnect	a) Select host to disconnect and click Button 'Disconnect' b) Redo test with context sensitive menu item 'Disconnect'	Verify that icon for the corresponding node changes to the disconnect icon and all sub-nodes are removed.	RCPTT	Pass
3.3	Connect	a) Select host to connect and click Button 'Connect' b) Redo test with context sensitive menu item 'Connect'	Verify that icon for the corresponding node changes to the connected icon and after successful SSH connection all data is retrieved from the remote host (Providers, sessions etc).	RCPTT	Pass
3.4	Select Host Connection	1) Restart Eclipse 2) Click Button 'New Connection...' 3) Select the host previously created 4) Select 'Ok'. (Afterwards enter user ID and Password if necessary)	Make sure that SSH connection is established and all data is retrieved from the remote host (Providers, sessions etc).	RCPTT	Pass
3.5	Node contexts sensitive menu (host connected)	1) Connect to remote host 2) select connected node and click right mouse button	Verify that menu items are shown and enabled/disabled depending on state: 'Connect' (disabled) 'Disconnect' (enabled) 'Refresh' (enabled) 'Delete' (disabled) 'Start' (disabled) 'Stop' (disabled) 'Destroy Session...' (disabled) 'Record Snapshot' (disabled) 'Import...' (disabled)	RCPTT	Pass
3.6	View button enable state (host connected)	1) Connect to remote host (if necessary) 2) select connected node	Verify enable state of view buttons: 'New Connection...' (enabled) 'Connect' (disabled) 'Disconnect' (enabled) 'Refresh' (enabled) 'Delete' (disabled) 'Start' (disabled) 'Stop' (disabled) 'Destroy Session...' (disabled) 'Record Snapshot' (disabled) 'Import...' (disabled)	RCPTT	Pass
3.7	Node contexts sensitive menu (host disconnected)	1) Disconnect from node 2) select disconnected node and click right mouse button	Verify that menu items are shown and enabled/disabled depending on state: 'Connect' (enabled) 'Disconnect' (disabled) 'Refresh' (disabled) 'Delete' (enabled)	RCPTT	Pass

19 Command Script					
19.1	Execute command script	Create a command script to create a session with kernel and ust events enabled.	Make sure that each command of script is executed and script execution is without errors	Manual	Pass
20 Session Profiles					
20.1	Save session	1) Create Tracing session 2) Select session and click right mouse button 3) Select Menu item "Save..." 4) Select 'OK'	Make sure that the session is saved under ~/.lttng/sessions on the remote Make sure that session is available in the workspace by opening Window->Preferences->Tracing->LTTng Remote Profiles	SWTBot	Pass
20.2	Save session (2)	1) Re-do 20.1 (use same session name)	Make sure that the session is saved under ~/.lttng/sessions. Make sure that session is available the user is prompted to skip or overwrite the profile in the workspace	Manual	Pass
20.3	Save session (no force)	1) Re-do 20.1 but deselected force button	The save command will be rejected by LTTng Tools	RCPTT	Pass
	destroy all sessions				
20.4	Load Session (local)	1) Select group "Sessions" and click right mouse button 2) Select Menu item "Load..." 3) Select a existing profile (from Local) 4) Select 'OK'	Make sure that the session is created	SWTBot	Pass
	destroy all sessions				
20.5	Load Session (remote)	1) Select group "Sessions" and click right mouse button 2) Select Menu item "Load..." 3) Select "Remote" 4) Select a existing profile (from Remote) 5) Select 'OK'	Make sure that the session is created	RCPTT	Pass
20.6	Open preference (1)	1) Select group "Sessions" and click right mouse button 2) Select Menu item "Load..." 3) Select "Manage..."	Make sure that the LTTng Remote Profile preference page opens	RCPTT	Pass
20.7	Open preference (2)	Open Preferences (Menu -> Preferences -> Tracing -> LTTng Remote Profiles)	Make sure that the LTTng Remote Profile preference page opens	RCPTT	Pass
20.8	Export profile	1) Open Preference page (see 20.7) 2) Select multiple profiles 3) Click on "Export..." 3) Select destination directory and click on "OK"	Make sure profile is exported to the destination directory	Manual	Pass
20.9	Export profile (redo)	Redo 20.8	Make sure that user is prompted about to overwrite or skip existing profile	Manual	Pass
20.10	Import profile	1) Open Preference page (see 20.7) 2) Click on "Import..." 3) Select a profile on media and click on "OK"	Make sure profile is imported and available in workspace	Manual	Pass
20.11	Import profile (redo)	1) Redo 20.8	Make sure that user is prompted about to overwrite or skip existing profile	Manual	Pass
20.12	Delete profile	1) Open Preference page (see 20.7) 2) Select multiple profiles 3) Click on "Delete..." 3) Confirm deletion	Make sure profile(s) are delete from the workspace and disk	RCPTT	Pass
21 Kernel Event Filtering (LTTng 2.6)					
21.1		For the tests below a Ubuntu machine with LTTng 2.1 installed (with lttng-tools 2.6.x) is required. Either create a VM machine yourself (e.g. on Virtualbox) or install it locally on your native Ubuntu (if correct version). Make sure that the root session daemon is running (sudo lttng list -k) and have one UST process running (e.g. from lttng-tools git repository under tests/hello.cxx)			
21.2	Preparation	1) Connect to remote host 2) Create new Session 'FilterSession'			
21.3	Enable Kernel Event on session level	1) Select session and click right mouse button 2) Select menu item 'Enable Events (default channel)...' 3) Select 'Kernel' 4) Select Radio button for 'Tracepoint Events' 5) Select one tracepoint 6) Enter filter expression on a event field 7) Click on 'OK'	Verify that default channel (channel0) is create under domain 'Kernel' and that the corresponding event is created under the channel with state ENABLED. Verify that Properties view shows correct values for this event (Event Type=TRACEPOINT, State=ENABLED, Filter=with filter, Filter=the actual expression in LTTng 2.6*)	SWTBot	Pass

Section		Pass	Fail	To Do	Comment	
Tracing RCP		33	0	0	0	
Target:						
Step	Test Case	Action	Verification		Comment	
0 Preparation						
1 Start RCP						
1.1	Start Tracing RCP	Open RCP from command line or file explorer	Tracing RCP opens in default perspective	Manual	Pass	The delete key doesnt work on Tracing project (we need to use the mouse right click). Bug 486505.
1.2	Start Tracing RCP with text trace	Open RCP from command line with --open <trace name with absolute path>	Trace will be opened with auto-detected trace type	Manual	Pass	
1.3	Start Tracing RCP with previously opened text trace	Open RCP from command line with --open <trace name with absolute path>. Use same trace than 1.2	Verify that the same trace that was previously linked into the Traces folder is opened and not a new trace entry is created	Manual	Pass	
1.4	Start Tracing RCP with Kernel CTF trace	Open RCP from command line with --open <kernel trace name with absolute path>	Tracing RCP is opened, the trace is linked to the Tracing project, the kernel analysis trace type is selected and trace is opened.	Manual	Pass	The kernel trace opens in an editor but the editor of the first trace gets activated. Bug 443461. Same bug happens with UST traces
1.5	Start Tracing RCP with previously opened Kernel CTF trace	Open RCP from command line with --open <kernel trace name with absolute path>. Use same trace than 1.4	Verify that the same trace that was previously linked into the Traces folder is opened and not a new trace entry is created	Manual	Pass	
1.6	Start Tracing RCP with new trace with name conflict	Open RCP from command line with --open <trace name with absolute path>, where the name of trace is the same than 1.2, but the trace is located at a different location on disk	Verify that a new trace is linked to the Tracing project and trace is opened. Verify that the new trace name has a integer number a suffix added.	Manual	Pass	
1.7	Re-do 1.6	Open RCP from command line with --open <kernel trace with absolute path>, where name of trace is the same than 1.4, but the trace is located at a different location on disk	Verify that a kernel trace is linked to the Tracing project, the kernel analysis trace type is selected and trace is opened. Verify that the new trace name has a integer number a suffix added.	Manual	Pass	
1.8	Start Tracing RCP with non-trace file	Open file that is not a trace	Trace is imported (linked) however default ic	Manual	Pass	

2 File menu						
2.1	Open Trace (File)	Use Menu "File -> Open Trace ...". In the file dialog select a text trace and select open.	Trace will be opened with auto-detected trace type	Manual	Pass	
2.2	Open Trace (File) with previously opened text trace	Use Menu "File -> Open Trace...". In the file dialog select a text trace and select open. Use same trace than 2.1	Verify that the same trace that was previously linked into the Traces folder is opened and not a new trace entry is created	Manual	Pass	
2.3	Open Trace (Directory)	Use "Menu File -> Open Trace ...". In the file dialog select a file of Kernel CTF trace directory and select open.	Verify that the trace is linked to the Tracing project, the kernel analysis trace type is selected and trace is opened.	Manual	Pass	
2.4	Open Trace (Directory) with previously opened Kernel CTF trace	Use "Menu File -> Open Trace ...". In the file dialog select a file of Kernel CTF trace directory and select open. Use same trace than 2.3	Verify that the same trace that was previously linked into the Traces folder is opened and not a new trace entry is created	Manual	Pass	
2.5	Open Trace File with name conflict	Use Menu "File -> Open Trace ...". In the file dialog select a text trace and select open, where the name of trace is the same than 2.1, but the trace is located at a different location on disk	Verify that the new trace is linked to the Tracing project and the trace is opened. Verify that the new trace name has a integer number a suffix added.	Manual	Pass	
2.6	Re-do 2.5	Use "Menu File -> Open Trace ...". In the file dialog select a file of Kernel CTF trace directory and select open, where the name of trace is the same than 2.3, but the trace is located at a different location on disk	Verify that the kernel trace is linked to the Tracing project, the kernel analysis trace type is selected and trace is opened. Verify that the new trace name has a integer number a suffix added.	Manual	Pass	
2.7	Open file	Open file that is not a trace	Trace is imported (linked) however default ic	Manual	Pass	
2.8	Restart	Use Menu File -> Restart	Verify that RCP is restarted with the previously open perspective and trace	Manual	Pass	
2.9	Exit	Use Menu File -> Exit	Tracing RCP exits	Manual	Pass	
3 Window Menu						
3.1	Open Perspective	Use Menu Window -> Show Perspective -> Tracing Perspective	Tracing perspective is opened	Manual	Pass	

3.2	Open View	Use Menu Window -> Show View -> Select Tracing -> Sequence Diagram	Sequence diagram view is shown	Manual	Pass	
3.3	Preferences	Use Menu Window -> Preferences	Preferences dialog is shown	Manual	Pass	
3.4	Save Perspective As	Make changes of perspective by moving views and use menu Window -> Save Perspective As. Enter a perspective name and select Ok	Perspective with new name is stored	Manual	Pass	
3.5	Reset Perspective	Make changes of perspective by moving views and use menu Window -> Reset Perspective.	After confirming the reset operation the perspective is reset to the default layout.	Manual	Pass	
4 Help Menu						
4.1	Help Contents	Use Menu -> Help -> Help Contents	Help content browser is opened. All Tracing related help is included	Manual	Pass	
4.2	Help Contents (shortcut)	Use key F1	Help content browser is opened. All Tracing related help is included	Manual	Pass	
4.2	Install new Software	Use Menu -> Help -> Install New Software... to install new Eclipse feature	Installation is successful	Manual	Pass	
4.4	About	Use Menu -> Help -> About	About dialog is opened all relevant information (e.g. version, copyright years etc) is up-to-date and correct.	Manual	Pass	
4.5	Version + Copyright	Use Menu -> Help -> About -> Installation details	Go over all tracing features and plug-ins and verify that all have the correct version and copyright years	Manual	Pass	
5 Content						
5.1	TMF presence	Open Tracing perspective	Tracing perspective opens	Manual	Pass	
5.2	LTTng presence	Open LTTng Kernel perspective	LTTng Kernel perspective opens	Manual	Pass	
5.3	PCAP Network analysis presence	Open Network Tracing perspective	Network analysis perspective opens	Manual	Pass	
5.4	PcapNg Network analysis presence	Open Network Tracing perspective	Network analysis perspective opens	Manual	Pass	
5.5	BTF presence	Open BTF trace and relevant view	Vlew	Manual	Pass	
6 Upgrade						
6.1	Upgrade from previous release	Use Help -> Check For Updates	RCP is upgraded	Manual	Pass	Tested with RC2

Section	Pass	Fail	To Do	Comment
Trace Synchronization	13	0	0	1
Target:				
Step	Test Case	Action	Verification	Comment
0 Prerequisites				
0.1	Import traces	Import the scp_dest and scp_src traces in the synctraces.tar.gz file		
0.2	Create experiment 1	Create an experiment containing those 2 traces		
0.3	Create experiment 2	Create an experiment with any other trace		
1 View Management				
1.1	Open Synchronization View	Use menu Window → Show View → Tracing → Synchronization	Verify that 'Synchronization' view is shown	Manual Pass Automation Candidate
1.2	Delete view	Close the Synchronization View	Synchronization' view is removed from perspective	Manual Pass Automation Candidate
1.3	Open view	Use menu Window → Show View → Tracing → Synchronization	Synchronization' view is displayed and remains empty	Manual Pass Automation Candidate
1.4	Open Experiment	Open the experiment containing the 2 synchronizable traces	Verify that the view is still empty	Manual Pass Automation Candidate
1.5	Synchronize experiment	Right-click on the experiment and select 'Synchronize Traces'	After a time, the view is populated with synchronization result that say 'accurate'. And one of the original traces has been replace by a trace with the same name, but with an '_' at the end.	Manual Pass Automation Candidate
1.6	Open view when trace is already loaded	1) Close Synchronization View 2) Load LTng experiment 3) Open 'Synchronization' view	Verify that view is populated with synchronization data from currently opened experiment	Manual Pass Automation Candidate
1.6.5	Synchronize experiment with constant offset	Try to offset a trace by a second	Visually verify that a synchronized trace is now offsetted	Manual Pass experiment is closed after applying offset Automation Candidate
1.7	Open trace	Open an Ltng Kernel trace	Synchronization view is empty	Manual Pass Automation Candidate
1.8	Re-open experiment	Open the experiment containing the 2 synchronized traces	View shows synchronization data from the experiment	Manual Pass Automation Candidate
1.9	Restart	Restart Eclipse	Verify that view is populated with synchronization data from experiment	Manual Pass
2 Functionnalities				
2.1	Open experiment 2	Open the experiment containing traces that do not synchronize	Verify that the 'Synchronization' view is empty	Manual Pass Automation Candidate
2.2	Go back to previous experiment	Re-open the experiment with the synchronizable traces	Verify that the 'Synchronization' view contains the data from the experiment	Manual Pass Automation Candidate
2.3	Synchronize experiment	Right-click on the experiment and select 'Synchronize traces'	After the synchronization job finishes, the synchronized experiment is closed and experiment 2 is selected. The synchronization view is empty.	Manual Pass Automation Candidate

Section	Pass	Fail	Type	To Do	Comment
LTTng 2.0 - Memory Analysis	23	0	7	0	5
Target:					
Step	Test Case	Action	Verification	Type	Comment
0 Prerequisites					
0.1	Download traces	Download UST trace with memory events from https://secretaire.dorsal.polymtl.ca/~gbastien/traces/eclipse_mem_ust.tar.gz . Hung: I suggest downloading eclipse trace			
0.2	Import trace with memory event	Import the LTTng UST trace downloaded above in Tracing project			
0.3	Import trace without memory event	Import one of the LTTng UST trace that does not contain the memory events, for example, the one used for the callstack view			
0.4	Import non-UST trace	Import one LTTng Kernel trace			
1 Project View					
1.1	Check analysis can execute	open the trace that contains the memory events. In the project explorer, expand the trace that contains the memory events	"Ust Memory" analysis is present and "normal"	SWTBot	Pass
1.2	Verify help message when applicable	In the project explorer, open and expand the trace that contains the memory events, right-click the memory analysis and select Help	A generic help message appears with the name of the analysis.	Manual	Pass
1.3	Check analysis cannot execute	open the trace that contains the memory events. In the project explorer, expand the UST trace that does not contain memory events	"Ust Memory" analysis is present, but striked-out	Manual	Pass
1.4	Verify help message when not applicable	In the project explorer, open and expand the UST trace that does not contain memory events, right-click the memory analysis and select Help	The help message mentions the analysis is impossible to execute and contains the requirement that is not fulfilled	Manual	Pass
1.5	Check analysis for another trace type	In the project explorer, expand a LTTng Kernel trace	"Ust Memory" analysis is not present	SWTBot	Pass
2 View Management					
2.1	Populate analysis's view	Open the UST trace with memory events and expand the "UST Memory" analysis in the project explorer	"Ust Memory Usage" View appears under the analysis	SWTBot	Pass
2.2	Open view	Double-click the UST Memory View under the memory analysis	The UST Memory Usage view opens and triggers the memory analysis. After the analysis, the XY chart is populated	SWTBot	Pass
2.3	Close trace	Close the trace	The UST Memory Usage view is emptied.	Manual	Pass
2.4	Open trace	With the view already opened, open the trace	The UST Memory Usage view is populated.	SWTBot	Pass
2.5	Close view	Close the UST Memory Usage view	The view is closed.	SWTBot	Pass

Verified in Aug. 17-2018 at 15:09PM, but help message is not helpful

Automation Candidate

2.6	Re-open view	Double-click the UST Memory Usage view under the memory analysis in project explorer.	The view opens and is automatically populated.	Manual	Pass		Automation Candidate
3	Mouse handling						
3.1	Drag move time range	Drag move xy chart left and right with middle button	Time range is dragged. When mouse button is released, the view refreshes with the new time range	Manual	Pass		Automation Candidate
3.2	Zoom time range (mouse wheel)	Zoom with CTL + mouse wheel up and down, cursor inside xy chart	Time range is zoomed in and out, relative to mouse cursor. When mouse wheel is stopped for a short time, series are updated and new time range is propagated to other views.	Manual	Pass	When you zoom in and a series was checked but it is now filtered out, when you zoom out you lose you checked series	Automation Candidate
3.3	Drag select time range	Drag select time graph with right button	Selection highlighted. When mouse button is released, time range is zoomed to selection, series are updated and new time range is propagated to other views.	Manual	Pass		Automation Candidate
3.4	Mouse hover	Hover mouse in xy chart anywhere	Tool tip shows values for each thread at the given timestamp	Manual	Pass	shows values for checked threads at given moment	Automation Candidate
3.5	Drag mouse selection	Drag select xy chart with left button	Selection highlighted. New selection is propagated to other views	Manual	Pass		Automation Candidate
3.6	Shift key selection	Click select with left button (begin time), press shift key and click select another time (end time)	Selection highlighted. New selection is propagated to other views	Manual	Pass		Automation Candidate
3.7	Drag mouse selection (Status bar)	Drag select xy chart with left button	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass	T1 cannot be less than T2, and delta cannot be negative	Automation Candidate
3.8	Shift key selection (Status bar)	Click select with left button (begin time), press shift key and click select another time (end time)	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass	T1 cannot be less than T2, and delta cannot be negative	Automation Candidate
4	Synchronization						
	Preparation	Have the Histogram and UST Memory Usage views both visible		SWTBot	Pass		
4.1	Time synchronization	Select a random time in another view	Selected time line is updated.	Manual	Pass		Automation Candidate
4.2	Time range synchronization	Select a new time range in UST Memory Usage view or in Histogram view.	Time range is updated.	Manual	Pass		Automation Candidate
4.3	Time range selection synchronisation	In any other view that supports range synchronization, select a new range.	Selection range is highlighted.	Manual	Pass		Automation Candidate

Section		Pass	Fail	To Do	Comment	
Network Trace analysis		11	0	3	0	1
Target:						
Step	Test Case	Action	Verification			Comment
0 Prerequisites						
0.1	Import traces	Import the trace linked here				
1 Trace Import						
1.1	Open the Network Tracing perspective	In the project Explorer, expand any LTTng kernel trace	Verify that the events view, the properties and stream list are displayed	SWTBot	Pass	
1.2	Open trace	Double-click on the "TeamSpeak2.pcap" trace	The trace is given a "network" icon. When opened, the events view and histogram view is opened	SWTBot	Pass	In SWTBot other trace is used
2 View management						
2.1	Populate the views	Open the "TeamSpeak2.pcap"	The views are updated	SWTBot	Pass	
2.2	Look up stream	Open the Stream List view	One stream is available with endpoint A being 00:0c:29:7c:ab:f9	Manual	Pass	Automate
2.3	Close the trace	Close the trace	The stream list is emptied	Manual	Pass	
2.4	Close view	Close the Stream List view	The view is closed	Manual	Pass	
2.5	Open view when trace is already loaded	Re-open the trace. Open The Stream List view	The view opens with the correct title and is correctly populated.	Manual	Pass	
2.6	Open a non pcap trace	Close the trace	The stream list is emptied	Manual	Pass	Should change the action to "open a non pcap trace" instead of "close the trace"
3 Stream List						
3.1	Re-open trace	Ensure only "TeamSpeak2.pcap" is opened	The trace is opened	Manual	Pass	
3.1	Create a filter from the stream list	Right click on stream 0, and select "Extract as Filter"	A filter named "FILTER stream eth 00:0c:29..." is created	Manual	Pass	
3.2	Apply filter	In the events table, right click on an event and select "Apply preset filter-> stream eth 00:0c:29..."	24/24 events pass the filter	Manual	Pass	

Section	Pass	Fail	Type	To Do	Comment
XML analysis	42	0	6	0	0
Target: Ubuntu 19.04 64 bit					
Step	Test Case	Action	Verification	Type	Comment
0	Prerequisites				
0.1	Import traces	Import LTTng kernel traces			Needs an update we already ship XML by default with tracecompass.
0.2	Get a test XML file	Download the test XML file here: https://secretaire.dorsal.polymtl.ca/~gbastien/Xml4Traces/Kernel.Linux.xml			
0.3	Make sure the XML file does not exist in the project	Open the Manage Xml Analyses menu and delete the XML file if it exists (or The XML files are located in <workspace directory>/.metadata/.plugins/org.eclipse.tracecompass.tmf.analysis.xml.core/xml_files. Delete the linux kernel XML file if it exists.)	NOTE: XML haven't files haven't been update to latest Kernel tracepoints and syscall changes. So, they only work with trace LTTng 2.5 and older		
1	XML file handling				
1.1	Verify analysis not present	In the project Explorer, expand any LTTng kernel trace	Verify that there is no 'Xml kernel State System' analysis	Manual	Pass
1.2	Import XML file	Right-click the Traces folder, select Manage XML analyses.... In the opened dialog import the Kernel.Linux.xml file and close the dialog.	Verify that the 'Xml kernel State System' analysis is now present under a LTTng kernel trace	SWTBot	Pass
1.3	Edit XML file	Right-click the Traces folder, select Manage XML analyses.... In the opened dialog, select Kernel.Linux and click Edit	Verify that the XML editor opens. The editor should have Design and Source sub-tabs	SWTBot	Pass
1.4	Disable XML file	Right-click the Traces folder, select Manage XML analyses.... In the opened dialog, click on the checkbox next to Kernel.Linux to disable it and click Apply.	Verify that the 'Xml kernel State System' analysis doesn't not exist under a LTTng kernel trace	Manual	Pass
1.5	Enable XML file	Right-click the Traces folder, select Manage XML analyses.... In the opened dialog, click on the checkbox next to Kernel.Linux to enable it and click Apply.	Verify that the 'Xml kernel State System' analysis is present under a LTTng kernel trace	Manual	Pass
2	View management				
2.1	Populate the views	Open an LTTng kernel trace (eg trace2 from the tracecompass-test-traces repo)	The 'Xml kernel State System' analysis should have a + next to it, expand it and there should be 2 views under it: 'Xml Control Flow View' and 'Xml Resources View'	SWTBot	Pass
2.2	Open the 'Xml Control Flow View'	Double-click the 'Xml Control Flow View' under the analysis	A view titled 'Xml Control Flow View' should open and it should look quite similar to the Control Flow View	SWTBot	Pass
2.3	Open another XML view	Double-click the 'Xml Resources View' under the analysis	A view titled 'Xml Resources View' should open and it should look quite similar to the Resources view's CPU entries. Both XML views are opened.	Manual	Pass
2.4	Close view	Close both XML view	The view are closed	SWTBot	Pass
2.5	Open view when trace is already loaded	Double-click one of the views under the analysis	The view opens with the correct title and is correctly populated.	Manual	Pass
2.6	Close traces	Close all opened traces	The view is emptied.	SWTBot	Pass
2.7	Open trace	Open an LTTng Kernel trace	The view is populated	Manual	Pass
2.8	Open another trace	Open a non-LTTng Kernel trace	The view is emptied.	Manual	Pass
2.9	Open LTTng Kernel trace	Open an LTTng Kernel trace	The view is populated.	Manual	Pass
3	View selection				
3.1	Select an entry in the table	Select an entry in the table	Same entry is highlighted in time graph.	Manual	Pass
3.1	Select entry in time graph	Select an entry in the time graph (empty region)	Same entry is highlighted in table. Selected time line is updated. Other views are synchronized to selected time.	Manual	Pass

2.3	Select state in time graph	Select a state in the time graph	Same entry is highlighted in table. State is highlighted in time graph. Selected time line is updated. Other views are synchronized to selected time.	Manual	Pass		Automation Candidate
4	Mouse handling						
4.1	Drag move time range	Drag move time graph left and right with middle button	Time range is dragged. When mouse button is released, states are updated and new time range is propagated to other views.	Manual	Pass		Automation Candidate
4.2	Zoom time range (mouse wheel)	Zoom with CTRL + mouse wheel up and down, cursor inside time graph	Time range is zoomed in and out, relative to mouse cursor. When mouse wheel is stopped for a short time, states are updated and new time range is propagated to other views.	Manual	Pass		Automation Candidate
4.3	Zoom time range (mouse drag)	Drag in time graph scale left and right with left button	Time range is zoomed in and out. When mouse button is released, states are updated and new time range is propagated to other views.	Manual	Pass		Automation Candidate
4.4	Mouse vertical scroll	Scroll with mouse wheel up and down, cursor outside time graph	Table and time graph scroll up and down and remain aligned. Selected entry does not change. Vertical scroll bar updated.	Manual	Pass		Automation Candidate
4.5	Vertical scroll bar	Click and drag vertical scroll bar	Table and time graph scroll up and down and remain aligned. Selected entry does not change.	Manual	Pass		Automation Candidate
4.6	Drag select time range	Drag select time graph with right button	Selection highlighted. When mouse button is released, time range is zoomed to selection, states are updated and new time range is propagated to other views.	Manual	Pass		Automation Candidate
4.7	Double-click reset time range	Double-click left button on time scale	Time range is reset to full range, states are updated and new time range is propagated to other views.	Manual	Pass		Automation Candidate
4.8	Mouse hover (empty region)	Hover mouse in time graph over empty region	Tool tip shows entry name only.	Manual	Pass		Automation Candidate
4.9	Mouse hover (state)	Hover mouse in time graph over state	Tool tip shows entry name, state name, date, start time, end time, duration.	Manual	Pass		Automation Candidate
4.10	Drag mouse selection	Drag select time graph with left button	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass		Automation Candidate
4.11	Shift key selection	Click select with left button (begin time), press shift key and click select another time (end time)	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass		Automation Candidate
5	Keyboard handling						
5.1	Keyboard navigation in table (entry selection)	With focus on table, use UP, DOWN, HOME, END keys	Selected process is changed. Time graph selection is updated. Vertical scroll bar updated.	Manual	Pass		Automation Candidate

5.2	Keyboard navigation in table (tree expansion)	With focus on table, in Windows use LEFT, RIGHT keys while parent or child process is selected In Linux use press ENTER while parent or child process is selected	For parent process, tree is expanded or collapsed. Time graph item expansion is updated. Vertical scroll bar updated. For child process, left changes selection to parent, time graph selection is updated. Vertical scroll bar updated.	Manual	Pass		Automation Candidate
5.4	Keyboard navigation in time graph (process selection)	With focus on time graph, use UP, DOWN, HOME, END keys	Selected process is changed. Table selection is updated. Vertical scroll bar updated.	Manual	Pass		Automation Candidate
5.4	Keyboard navigation in time graph (state selection)	With focus on time graph, use LEFT, RIGHT keys	Previous or next state is selected. Selected time is updated in other views.	Manual	Pass		Automation Candidate
6	Tool bar handling						
6.1	Show Legend	Click Show Legend button	The legend dialog is opened and can be closed.	Manual	Pass		Automation Candidate
6.2	Reset Time Scale	Click Reset Time Scale button	Time range is reset to full range, states are updated and new time range is propagated to other views.	Manual	Pass		Automation Candidate
6.3	Select Previous/Next Event	Click Previous/Next Event button	Previous or next state is selected. Selected time is updated in other views.	Manual	Pass		Automation Candidate
6.4	Select Previous/Next Process	Click Previous/Next interval button	Selected interval (process/resource) is changed in table and time graph. Vertical scroll bar updated.	Manual	Pass		Automation Candidate
6.5	Zoom In/Out	Click Zoom In/Out button	Time range is zoomed in and out, relative to center of time range. States are updated and new time range is propagated to other views.	Manual	Pass		Automation Candidate
6.6	Filter Dialog	Open Filter Dialog	Verify that all buttons are working correctly	Manual	Pass		Automation Candidate
6.7	Filter Processes	1) Open Filter Dialog 2) Deselect several processes 3) Press Ok	Verify that only selected entries are displayed in the view	Manual	Pass		Automation Candidate
7	Synchronization						
7.1	Time synchronization	Select a random time in another view	Selected time line is updated. If selected time is outside current range, time range is updated to include it.	Manual	Pass		Automation Candidate
7.2	Time range synchronization	Select a new time range in Resources view or in Histogram view.	Time range is updated.	Manual	Pass		Automation Candidate
7.3	Time range selection synchronisation	In any other view that supports range synchronization, select a new range.	Selection is highlighted. If begin time (T1) of selected time range is outside the current range, then time range is updated to include it	Manual	Pass		Automation Candidate

Section		Pass	Fail	To Do	Comment	
Critical path		45	0	2	0	4
Target:						
Step	Test Case	Action	Verification			Comment
0 Prerequisites						
0.1	Import traces	Import the 3 django traces from the test traces				
0.2	Create experiment	Create an experiment with the 3 traces in it				
0.3	Synchronize experiment	Synchronize the experiment, it should be accurate and 2 of the traces will be updated				
1 View management						
1.1	Open trace	Open any of the django traces in Project Explorer	Expand the Views element under the trace. The OS Exec Graph analysis is there and "normal". The Critical Path analysis is there and the Critical Flow view is available under it.	Manual	Pass	critical flow view is under os execution graph
1.2	Open experiment	Open the django experiment in Project Explorer	Expand the Views element under the trace. The LTTng Kernel Exec Graph analysis is there and "normal". The Critical Path analysis is there and the Critical Flow view is available under it.	Manual	Pass	critical flow view is under os execution graph
1.3	Open view	Expand the Views element, then the Critical Path analysis and click on the Critical Flow View	Critical Path view is opened and empty	SWTBot	Pass	
1.4	Close view	Close the Critical Flow View	Critical Path view is closed	Manual	Pass	Automation Candidate

1.5	Unapplicable trace	Open a trace that is not a LTTng kernel trace	Expand the Views element under the trace. The LTTng Kernel Exec Graph analysis is not there. The Critical Path analysis is there and the Critical Flow view is available under it.	Manual	Pass	Critical path analysis or control flow view is not here	Automation Candidate
1.6	Unapplicable experiment	Open an experiment that does not contain LTTng kernel traces	Expand the Views element under the trace. The LTTng Kernel Exec Graph analysis is there, but striked out. The Critical Path analysis is there and the Critical Flow view is available under it.	Manual	Pass	Critical path analysis or control flow view is not here	Automation Candidate
2 View population							
2.1	Populate the view with trace	With the django-client trace and the critical path view opened, in the control flow view, find the process named python (TID 9496). Right-click on the process and select "Follow python/9496"	The LTTng kernel exec graph is executed and at the end, the critical path view shows the interaction between 3 workers.	SWTBot	Pass		
2.2	Select worker in time graph	Select an empty region in the time graph section	Same process is highlighted in table. Selected time line is updated. Other views are synchronized to selected time.	Manual	Pass		Automation Candidate
2.3	Select state in time graph	Select a state in the time graph	Same process is highlighted in table. State is highlighted in time graph. Selected time line is updated. Other views are synchronized to selected time.	Manual	Pass		Automation Candidate
2.4	Select worker in tree viewer	Select a worker from the tree viewer section	Same process is highlighted in time graph.	Manual	Pass		Automation Candidate
2.5	Populate the view with empty path	Repeat steps of 2.1, with django-client trace and process lttng-sessiond (TID 9355)	The Critical Path View is emptied	Manual	Pass		Automation Candidate

2.5.5	Select again	Repeat steps of 2.1, and select python/9496 again	The critical path should be the same as 2.1	Manual	Pass	Automation Candidate
2.6	Re-opening	Close the django-client trace, reopen it and repeat steps of 2.1	The Critical Path View should be populated like in step 2.1	Manual	Pass	Automation Candidate
2.7	Populate the view with experiment	Repeat steps of 2.1, but with the django-experiment instead	The LTTng kernel exec graph is executed and at the end, the critical path view is populated with elements from the 3 traces.	Manual	Pass	Automation Candidate
2.8	Populate with trace with time selection	Re-open django-client trace. In the Control Flow View, select a time after the python process exited, then follow the python/9496 process	The Critical Path View should be populated like in step 2.1	Manual	Pass	Automation Candidate
3	Mouse handling					
3.1	Drag move time range	Ctrl-Drag move time graph left and right with middle button	Time range is dragged. When mouse button is released, states are updated and new time range is propagated to other views.	Manual	Pass	Automation Candidate
3.2	Zoom time range (mouse wheel)	Zoom with mouse wheel up and down, cursor inside time graph while holding the Ctl button	Time range is zoomed in and out, relative to mouse cursor. When mouse wheel is stopped for a short time, states are updated and new time range is propagated to other views.	Manual	Pass	Automation Candidate
3.3	Zoom time range (mouse drag)	Drag in time graph scale left and right with left button	Time range is zoomed in and out. When mouse button is released, states are updated and new time range is propagated to other views.	Manual	Pass	Automation Candidate
3.4	Mouse vertical scroll	Scroll with mouse wheel up and down, cursor outside time graph	Table and time graph scroll up and down and remain aligned. Selected worker does not change. Vertical scroll bar updated.	Manual	Pass	Automation Candidate

3.5	Vertical scroll bar	Click and drag vertical scroll bar	Table and time graph scroll up and down and remain aligned. Selected process does not change.	Manual	Pass		Automation Candidate
3.6	Drag select time range	Drag select time graph with right button	Selection highlighted. When mouse button is released, time range is zoomed to selection, states are updated and new time range is propagated to other views.	Manual	Pass		Automation Candidate
3.7	Double-click reset time range	Double-click left button on time scale	Time range is reset to full range, states are updated and new time range is propagated to other views.	Manual	Pass		Automation Candidate
3.8	Mouse hover (empty region)	Hover mouse in time graph over empty region	Tool tip shows process name and PID.	Manual	Pass	[processName, pid] (e.g. [postgres, 32554])	Automation Candidate
3.9	Mouse hover (state)	Hover mouse in time graph over state	Tool tip shows worker name, state name, priority, date, start time, end time, duration.	Manual	Pass		Automation Candidate
3.10	Drag mouse selection	Drag select time graph with left button	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass		Automation Candidate
3.11	Shift key selection	Click select with left button (begin time), press shift key and click select another time (end time)	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass		Automation Candidate
4	Keyboard handling						
4.1	Keyboard navigation in table (process selection)	With focus on table, use UP, DOWN, HOME, END keys	Selected process is changed. Time graph selection is updated. Vertical scroll bar updated.	Manual	Pass		
4.2	Keyboard navigation in table (tree expansion)	With focus on table, in Windows use LEFT, RIGHT keys while trace or worker is selected in Linux use SHIFT LEFT, RIGHT keys while trace or worker is selected	For trace, tree is expanded or collapsed. Time graph item expansion is updated. Vertical scroll bar updated. For workers, it does nothing.	Manual	Pass	Does the same effect as with focus on time graph (see 4.4) However, "Enter" works. Update the action description?	

4.3	Keyboard navigation in time graph (process selection)	With focus on time graph, use UP, DOWN, HOME, END keys	Selected worker is changed. Table selection is updated. Vertical scroll bar updated.	Manual	Pass		
4.4	Keyboard navigation in time graph (state selection)	With focus on time graph, use LEFT, RIGHT keys	Previous or next state is selected. Selected time is updated in other views.	Manual	Pass		
5 Tool bar handling							
5.1	Align views	Click on the Align View Button, with another time graph view, eg the Control Flow view opened above or under	When it is pressed, moving the line between tree viewer and time graph will move the line of the other view. If not pressed, the line can be moved without affecting the other views	Manual	Pass	Align option is now in down arrow at the extreme right of the view	Automation Candidate
5.2	Show Legend	Click Show Legend button	The legend dialog is opened and can be closed.	Manual	Pass		Automation Candidate
5.3	Reset Time Scale	Click Reset Time Scale button	Time range is reset to full range, states are updated and new time range is propagated to other views.	Manual	Pass		Automation Candidate
5.4	Select Previous/Next Event	Click Previous/Next Event button	Previous or next state is selected. Selected time is updated in other views.	Manual	Pass		Automation Candidate
5.5	Select Previous/Next Element	Click Previous/Next Element button	Selected worker is changed in table and time graph. Vertical scroll bar updated.	Manual	Pass		Automation Candidate
5.6	Zoom In/Out	Click Zoom In/Out button	Time range is zoomed in and out, relative to center of selection or window. States are updated and new time range is propagated to other views.	Manual	Pass	When there is no selection, sometimes it zooms relative to left of window	Automation Candidate
5.7	Add Bookmark	Select a time, and click on the Add Bookmark button	The bookmark is added and is displayed in the other views as well (if enabled)	Manual	Pass		Automation Candidate
5.8	Next/Previous marker	Add more bookmarks, then click on the next/previous marker buttons	The time graph view navigate between the bookmarks, States are updated and time selection is propagated to other views. When on a bookmark, the Add bookmark buttons changes to Delete bookmark	Manual	Pass		Automation Candidate
5.9	Delete bookmark	With next/previous marker, when on a bookmark, click the delete bookmark button	The bookmark is deleted from all views	Manual	Pass		Automation Candidate

5.11	Do not show markers	Click on the down arrow at the extreme right of the view, then expand Show markers and uncheck the Bookmarks box	All remaining bookmarks disappear from the view, but remain in other views where they are enabled	Manual	Pass	Automation Candidate
5.12	Show markers	Same as above, recheck the Bookmarks box	The bookmarks come back	Manual	Pass	Automation Candidate
6 Synchronization						
6.1	Time synchronization	Select a random time in another view	Selected time line is updated. If selected time is outside current range, time range is updated to include it.	Manual	Pass	Automation Candidate
6.2	Window range synchronization	Select a new window range in another view	Window range is updated.	Manual	Pass	Automation Candidate
6.3	Selection range synchronization	In any other view that supports selection range synchronization, select a new range.	Selection is highlighted. If the left time (T1) of selected time range is outside the current range, then window range is updated to include it	Manual	Pass	Automation Candidate
6.4	Out of region selection	With a critical path displayed, select a time in another view that is not in the range of the process being displayed in the critical path view	Selected time is updated and the critical path view is synced with the other	Manual	Pass	Automation Candidate

2.5	Open the same report again	Right click again on the same report to open it	A new panel should open with the result table of the analysis	Manual	Pass	
2.6	Multiple report	Open the "multipleReports" report.	Validate that a user is able to navigate between sub tab of a report	Manual	Pass	
3 Result Table						
3.1	Prerequisites	Open the "analysisMultipleRowReport"		Manual	Pass	
3.2	Hide table	Click the "Toggle" button in the right corner of the result table	The result table is hidden	Manual	Pass	
3.3	Show table	Click the "Toggle" button in the right corner of the result table	The result table is shown	Manual	Pass	
3.4	Sorting	Sort all column by clicking on the column name. Clicking multiple time on the name should change the ordering sorter.	Validate that the order make sense	Manual	Pass	Waker and Wakee process name sorting is confusing: "Xorg" is sorted lower than "compiz", which is sorted lower than "rcu_sched".
3.5	Column Resizing	Resize the column	Validate that the resize works	Manual	Pass	
3.6	Multiple selection	Select multiple rows by holding ctrl and clicking on multiple unselected rows of the table	Multiple selections are highlighted in the table	Manual	Pass	
3.7	Unselect selection	Deselect multiple rows by holding ctrl and clicking on multiple selected rows of the table	The clicked row should not be selected anymore	Manual	Pass	
4 Bar Chart						
4.1	Create	Use the menu on the upper right of the result table and select "create bar chart"	Note: a bar chart does NOT perform agregation of categories values		Pass	
4.2	Series dialog add	Select any x and any y click add	Series are added to the series list	Manual	Pass	
4.3	Series dialog remove	Remove all newly created series via the delete button	User should be able to delete series	Manual	Pass	
4.4	Creat chart	Select any x and y and click add and "ok"	A bar chart should be created Note: a bar chart does NOT perform agregation of categories values	Manual	Pass	I selected Wakee Process TID as X axis, but TID is not displayed well because of the sheer number of TIDs
4.5	Selection	Click on any bar inside the chart	The corresponding row should be selected in the table and the chart should highlight the selected bar	Manual	Pass	When there are too much bars inside the chart it is more difficult to click on a bar
4.6	Multi selection	Ctrl+click on other unselected bar	Selections should be highlighted in the result table and the chart	Manual	Pass	
4.7	Deselection	Ctrl+click on other selected bar	The clicked bar should be removed from selection and the result table update with the current selections	Manual	Pass	
4.8	Y axis	Recreate the same graph but with the y log scale option enabled	Y axis should be in log scale mode Note: check for zero value and negative handling since log scale do not support zero and negative	Manual	Pass	When checking logarithmic scale Y, all y that do not support logarithmic scale Y are not removed. When a Y is selected, all y that do not support logarithmic scale Y are removed
4.9	Keep the chart open	Keep the chart open		Manual	Pass	
4.10	Hide the table results	Hide the table results		Manual	Pass	
5 Scatter Chart						
5.1	Create	Use the menu on the upper right of the result table and select "create scatter chart"				
5.2	Creat chart	Select any x and y and click add and "ok"	A scatter chart should be created	Manual	Pass	
5.3	Selection	Should be the same behaviour as the bar chart	Should be the same behaviour as the bar chart	Manual	Pass	
5.4	Multi selection	Should be the same behaviour as the bar chart	Should be the same behaviour as the bar chart	Manual	Pass	
5.5	Deselection	Should be the same behaviour as the bar chart	Should be the same behaviour as the bar chart	Manual	Pass	
5.6	Mouse hovering	Hover mouse in the graph	On mouse hovering a cross should snap to the nearest point	Manual	Pass	
5.7	Full deselection	Click in the chart when no hovering cross is present	All selected objects should be deselected	Manual	Pass	

ps	Section	Pass	Fail	Type	To Do	Comment
	LTTng 2.0 - I/O Analysis	20	1	5	0	4
Target:						
Step	Test Case	Action	Verification	Type		Comment
0	Prerequisites					
0.1	Import traces	Import LTTng Kernel traces in Tracing project				
1	Project View					
1.1	Check analysis can execute	In the project explorer, expand a LTTng Kernel trace	"Input/Output" analysis is present and "normal" (not striked-out)	SWTBot	Pass	
1.2	Verify help message when applicable	In the project explorer, open and expand the LTTng kernel trace, right-click the Input/Output analysis and select Help	A generic help message appears with the name of the analysis	Manual	Pass	
1.5	Check analysis for another trace type	In the project explorer, expand a non-LTTng Kernel trace	"Input/Output" analysis is not present	SWTBot	Pass	
2	View Management					

2.1	Populate analysis's view	Open an LTTng kernel trace and expand the "Input/Output" analysis in the project explorer	"Disk I/O Activity" View appears under the analysis	SWTBot	Pass	
2.2	Open view	Double-click the Disk I/O Activity View under the Input/Output analysis	The Disk I/O Activity view opens and triggers the input/output analysis. After the analysis, the xy charts is populated.	SWTBot	Pass	
2.3	Close trace	Close the trace	The Disk I/O Activity view is emptied.	Manual	Pass	Graph is emptied
2.4	Open trace	With the view already opened, open the trace	The Disk I/O Activity view is populated.	Manual	Pass	Disks are unchecked when opening the trace
2.5	Close view	Close the Disk I/O Activity view	The view is closed.	Manual	Pass	
2.6	Re-open view	Double-click the Disk I/O Activity view under the Input/Output analysis in project explorer.	The view opens and is automatically populated.	Manual	Pass	Disks are unchecked
3	View selection					
4	Mouse handling					

4.1	Drag move time range	Drag move xy chart left and right with middle button	Time range is dragged. When mouse button is released, series are updated and new time range is propagated to other views.	Manual	Pass
4.2	Zoom time range (mouse wheel)	Zoom with mouse wheel up and down, cursor inside xy chart	Time range is zoomed in and out, relative to mouse cursor. When mouse wheel is stopped for a short time, series are updated and new time range is propagated to other views.	SWTBot	Pass
4.3	Drag zoom time range	Drag select time graph with right button in xy chart	Selection highlighted. When mouse button is released, time range is zoomed to selection, series are updated and new time range is propagated to other views.	Manual	Pass

4.4	Mouse hover	Hover mouse in xy chart region anywhere	Tool tip shows the puntual disk activity, with units in <unit>/s	Manual	Pass	
4.5	Drag mouse selection	Drag select xy chart with left button	Selection highlighted and selection range is propagated to other views	Manual	Pass	
4.6	Shift key selection	Click select with left button (begin time), press shift key and click select another time (end time)	Selection highlighted and selection range is propagated to other views	Manual	Pass	

4.70	Drag mouse selection (Status bar)	Drag select xy chart with left button	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass
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4.8	Shift key selection (Status bar)	Click select with left button (begin time), press shift key and click select another time (end time)	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass	
5 6	Keyboard handling Synchronization					
6.1	Time synchronization	Select a random time in another view	Selected time line is updated. If selected time is outside current range, time range is updated to include it.	Manual	Pass	

6.2	Time range synchronization	Select a new time range in Disk I/O Activity view or in Histogram view.	Time range is updated.	Manual	Pass	
6.3	Time range selection synchronisation	In any other view that supports range synchronization, select a new range.	Selection is highlighted. If the most left time (T1) of selected time range is outside the current range, then time range is updated to include it	Manual	Pass	
6.4	Disk I/O Activity works with experiments			Manual	Fail	parent processes have no children, 0 % of CPU usage, and selected process have no impact on CPU Usage graph

Section		Pass	Fail	To Do	Comment
	LTTng 2.0 - VM Analysis (moved to Incubator)	0	0	0	0
Target:					2
Step	Test Case	Action	Verification	Comment	
0 Prerequisites					
0.1	Import traces	Download traces here: https://secretaire.dorsal.polymtl.ca/~gbastien/tracingSummit2014/mpi_traces.tgz and import the 3 kernel traces in the vmnet directory			
0.2	Create experiment	Create an experiment with the 3 traces in it			
0.3	Synchronize experiment	Synchronize the experiment, it should be accurate and 2 of the traces will be updated			
0.4	Set experiment type	Right-click the experiment, click "Select experiment type..." and select "Virtual Machine Experiment"			
1 View management					

1.1	Analysis present	Expand the Views element of the experiment	The Virtual Machine Analysis is present	Manual	N/A				
1.2	Open experiment	Open the vm experiment in Project Explorer	Expand the Views element under the trace, then the Virtual Machine Analysis element. The Virtual CPU view is present	Manual	N/A	VM experiment and normal experiment need visual differentiators.			
1.3	Open view	Expand the Views element, then the Virtual Machine analysis and click on the Virtual CPU View	Virtual CPU view is opened, the virtual machine analysis is triggered and the view gets filled	Manual	N/A	launches kernel exec graph which take a very long time, slow indexing throughput			
1.4	Close view	Close the Virtual CPU View	Virtual CPU view is closed	Manual	N/A				
1.6	Unapplicable experiment	Open an experiment that is not of Virtual Machine Experiment type	Expand the Views element under the trace. There is no Virtual Machine Analysis.	Manual	N/A	django exp			
2	View population								
2.1	Populate the view with experiment	With the VM experiment, open the Virtual CPU View	The view is populated with the VM element as the only parent and 2 virtual guests having 3 VCPUs each and a collapsed Threads entries	Manual	N/A				

2.2	View guest's threads	Expand the Threads entry of a guest	A list of processes is shown, in numerical order and their time graph viewer part is filled	Manual	N/A				
2.3	VM specific states	Zoom in the VCPUs time graph around the "interesting" region, where there is more action (around the second half of the trace)	2 new states are easily recognizable: WAIT_VMM and VCPU_PREEMPTED	Manual	N/A				
2.4	Preempted thread states	Select a region with the CPU_PREEMPTED state and scroll down the threads entries to around 405-406: mpi-imbalance processes	We can observe alpha'ed states corresponding to the cpu preempted states	Manual	N/A				
2.5	Re-opening	Close the VM experiment, reopen it	The view is populated again	Manual	N/A				
3	Mouse handling								
3.1	Drag move time range	Ctrl-Drag move time graph left and right with middle button	Time range is dragged. When mouse button is released, states are updated and new time range is propagated to other views.	Manual	N/A				

3.2	Zoom time range (mouse wheel)	Zoom with mouse wheel up and down, cursor inside time graph while holding the Ctl button	Time range is zoomed in and out, relative to mouse cursor. When mouse wheel is stopped for a short time, states are updated and new time range is propagated to other views.	Manual	N/A				
3.3	Zoom time range (mouse drag)	Drag in time graph scale left and right with left button	Time range is zoomed in and out. When mouse button is released, states are updated and new time range is propagated to other views.	Manual	N/A				
3.4	Mouse vertical scroll	Scroll with mouse wheel up and down, cursor outside time graph	Table and time graph scroll up and down and remain aligned. Selected worker does not change. Vertical scroll bar updated.	Manual	N/A				
3.5	Vertical scroll bar	Click and drag vertical scroll bar	Table and time graph scroll up and down and remain aligned. Selected process does not change.	Manual	N/A				

3.6	Drag select time range	Drag select time graph with right button	Selection highlighted. When mouse button is released, time range is zoomed to selection, states are updated and new time range is propagated to other views.	Manual	N/A				
3.7	Double-click reset time range	Double-click left button on time scale	Time range is reset to full range, states are updated and new time range is propagated to other views.	Manual	N/A				
3.8	Mouse hover (empty region)	Hover mouse in time graph over empty region	Tool tip shows process name only.	Manual	N/A				
3.9	Mouse hover (state)	Hover mouse in time graph over state	Tool tip shows entry name, state name, date, start time, end time, duration.	Manual	N/A				
3.10	Drag mouse selection	Drag select time graph with left button	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	N/A				

3.11	Shift key selection	Click select with left button (begin time), press shift key and click select another time (end time)	Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	N/A				
4	Keyboard handling								
4.1	Keyboard navigation in table (process selection)	With focus on table, use UP, DOWN, HOME, END keys	Selected entry is changed. Time graph selection is updated. Vertical scroll bar updated.	Manual	N/A				
4.2	Keyboard navigation in table (tree expansion)	With focus on table, in Windows use LEFT, RIGHT keys while expandable element is selected in Linux use SHIFT LEFT, RIGHT keys while expandable element is selected	For expandable element, tree is expanded or collapsed. Time graph item expansion is updated. Vertical scroll bar updated. For other entries, it does nothing.	Manual	N/A				
4.3	Keyboard navigation in time graph (process selection)	With focus on time graph, use UP, DOWN, HOME, END keys	Selected entry is changed. Table selection is updated. Vertical scroll bar updated.	Manual	N/A				
4.4	Keyboard navigation in time graph (state selection)	With focus on time graph, use LEFT, RIGHT keys	Previous or next state is selected. Selected time is updated in other views.	Manual	N/A				
5	Tool bar handling								

5.1	Align views	Click on the Align View Button, with another time graph view, eg the Control Flow view opened above or under	When it is pressed, moving the line between tree viewer and time graph will move the line of the other view. If not pressed, the line can be moved without affecting the other views	Manual	N/A				
5.2	Show Legend	Click Show Legend button	The legend dialog is opened and can be closed.	Manual	N/A				
5.3	Reset Time Scale	Click Reset Time Scale button	Time range is reset to full range, states are updated and new time range is propagated to other views.	Manual	N/A	Verified in Aug. 15-2018 at 16:27PM			
5.4	Select Previous/Next Event	Click Previous/Next Event button	Previous or next state is selected. Selected time is updated in other views.	Manual	N/A	State works			
5.5	Select Previous/Next Element	Click Previous/Next Element button	Selected entry is changed in table and time graph. Vertical scroll bar updated.	Manual	N/A				
5.6	Zoom In/Out	Click Zoom In/Out button	Time range is zoomed in and out, relative to center of selection or window. States are updated and new time range is propagated to other views.	Manual	N/A				

5.7	Add Bookmark	Select a time, and click on the Add Bookmark button	The bookmark is added and is displayed in the other views as well (if enabled)	Manual	N/A				
5.8	Next/Previous marker	Add more bookmarks, then click on the next/previous marker buttons	The time graph view navigate between the bookmarks, States are updated and time selection is propagated to other views. When on a bookmark, the Add bookmark buttons changes to Delete bookmark	Manual	N/A				
5.9	Delete bookmark	With next/previous marker, when on a bookmark, click the delete bookmark button	The bookmark is deleted from all views	Manual	N/A				
5.11	Do not show markers	Click on the down arrow at the extreme right of the view, then expand Show markers and uncheck the Bookmarks box	All remaining bookmarks disappear from the view, but remain in other views where the they are enabled	Manual	N/A				
5.12	Show markers	Same as above, recheck the Bookmarks box	The bookmarks come back	Manual	N/A				
6	Synchronization								
6.1	Time synchronization	Select a random time in another view	Selected time line is updated. If selected time is outside current range, time range is updated to include it.	Manual	N/A				
6.2	Window range synchronization	Select a new window range in another view	Window range is updated.	Manual	N/A				

6.3	Selection range synchronization	In any other view that supports selection range synchronization, select a new range.	Selection is highlighted. If the left time (T1) of selected time range is outside the current range, then window range is updated to include it	Manual	N/A				
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Section		Pass	Fail	To Do	Comment	
Flame Graph		19	0	11	0	1
Target:						
Step	Test Case	Action	Verification		Comment	
0	<u>Download the test resources</u>	Download this				
1	Preparation					
1.1	Open TMF Flame Graph View	Use menu Window → Show View → Tracing → Flame Graph	Verify that 'Flame Graph View' view is shown	SWTBot	Pass	
1.2	Import generic trace	Import a trace that does not have any call stack information, like a standard kernel trace	Verify that nothing is shown in the view	SWTBot	Pass	
1.3	Import cyg-profile trace	Import the trace in the "trace" directory of the downloaded zip	Verify that the Flame Graph View is populated with some callers/callees information.	SWTBot	Pass	
1.4	Import cyg-profile-fast trace	Import a trace in the "trace-fast" directory of the downloaded zip	Verify that the Flame Graph View is populated with some callers/callees information.	SWTBot	Pass	
2	Manage View					
2.1	Close view	Close the 'Flame Graph' View	Flame Graph' view is removed from perspective	SWTBot	Pass	

2.2	Open view	Use menu Window → Show View → Other ... → Tracing → Flame Graph	Flame Graph' view is displayed and re-populated	SWTBot	Pass		
2.3	Open Trace	Open "trace(- fast)" trace	Verify that view is populated with callers/callees information	SWTBot	Pass		
2.4	Open view when trace is already loaded	1) Close 'Flame Graph' view 2) Open "glxgears-cyg- profile(-fast)" trace located in the git in ctf test 3) Open 'Flame Graph' view	Verify that view is populated with callers/callees information	SWTBot	Pass		
2.5	Open Experiment	Open Experiment with 2 or moreFlame Graph traces. (You can use both traces)	Verify that view is populated with all callers/callees information (separated by trace).	Manual	Pass	parent traces have no name	Automation Candidate
2.6	Restart	Restart Eclipse with Flame Graph trace opened	Verify that view is populated with callers/callees from trace	Manual	Pass		
2.7	Close all traces	Close traces and experiment one by one from the editor tab	Verify that Flame Graph view is cleared after closing the last trace	Manual	Pass		Automation Candidate
3	Sorting						

3.1	Thread name sorting	Open a trace multiple Flame Graph thread or open experiment with 2 or more Flame Graph traces. Then select 'Sort threads by thread name'	The view is sorted by thread name.	Manual	Pass	Automation Candidate
3.2	Thead id sorting	Open a trace multiple Flame Graph thread or open experiment with 2 or more Flame Graph traces. Then select 'Sort threads by thread id'	The view is sorted by thread id.	Manual	Pass	Automation Candidate
4 Synchronization						
4.1	Time synchronization	Select a random time in another view	Selected time line is not updating. Nothing happen.	Manual	Pass	Automation Candidate
4.2	Go to maximum	1. Open the 'Call Stack' View 2. In the 'Flame Graph' view, right-click on a random entry in the graph 3. Select 'go to maximum'	- The 'Call Stack' view is populated - The call stack view is synchronised to the range of the maximum call duration of the 'Flame Graph' selected entry	Manual	Pass	Automation Candidate

4.3	Go to minimum	1. Open the 'Call Stack' View 2. In the 'Flame Graph' view, right-click on a random entry in the graph 3. Select 'go to minimum'	- The 'Call Stack' view is populated - The call stack view is synchronised to the range of the minimum call duration of the 'Flame Graph' selected entry	Manual	Pass		Automation Candidate
5 Function name import							
5.1	Function name import	1. Open the 'Call Stack' view with the 'Flame Graph' view and the cyg-profile trace opened 2. Import 'cyg-profile-mapping.txt' as mapping text file	Both 'Call Stack' and 'Flame Graph' views display function name instead of function address.	SWTBot	Pass		
5 Mouse handling							
5.1	Mouse hover (empty region)	Hover mouse in time graph over empty region	Tool tip shows depth only	SWTBot	Pass		
	Mouse hover (state)	Hover mouse in time graph over state	Tool tip shows Total time and self times with standard statistics.	SWTBot	Pass		

#	Section	Pass	Fail	To Do	Comment
	Counters View	3	0	0	0
Target:					
Step	Test Case	Action	Verification		Comment
1 Preparation					
1.1	Import an LTTng trace (with counters) and non LTTng traces	LTTng trace (with counters): kernel VM in test-traces	In the project explorer, ensure the Counters view icon is only strikethroughed for the non LTTng trace.	Manual	Pass
2 Filtered checkbox tree					
2.1	Same as 1.1	Same as above	The color is changed when filtering the counters	Manual	Pass
3 Displaying counters data					
3.1	Same as 1.1	Same as above	All counters are displayed	Manual	Pass
4 Supporting experiments					
4.1	Same as 1.1	Same as above	All counters are displayed	Manual	Pass
5 Persistence between traces					
5.1					N/A

Section		# Bug Reports	# Open	# Fixed
	Bug Reports	0	0	0
Test Case	Bug Title	Found	Bug Report	Status