

| | TraceCompass-11.0.0 | | | | | | | | | | | |
|---------|-------------------------------|-------|------|------|-------|---------------|-----------|----------------------------|-------------|----------------------------|----------------|--|
| Date: | 2025/06/11 | | | | | | | | | | | |
| Section | Content | To do | Pass | Fail | Total | Comments | Automated | Lock held by | (Tested by) | comment of future of tests | Theme | |
| 1 | Integration | 0 | 12 | 0 | 12 | With comments | 0 | | | | | |
| 2 | JUnit Tests | 0 | 18 | 0 | 18 | | 18 | | | | | |
| 3 | TMF - Project View | 0 | 152 | 0 | 152 | With comments | 106 | | | | | |
| 4 | TMF - Events Editor | 0 | 25 | 0 | 25 | With comments | 11 | | | | Table | |
| 5 | TMF - Bookmarks View | 0 | 17 | 0 | 17 | | 17 | | | | Config | |
| 6 | TMF - Filters View | 0 | 12 | 0 | 12 | With comments | 12 | | | | Config | |
| 7 | TMF - Colors View | 0 | 6 | 0 | 6 | With comments | 6 | | | | Config | |
| 8 | TMF - Histogram View | 0 | 51 | 0 | 51 | With comments | 6 | | | | XY-ish | |
| 9 | TMF - Statistics View | 0 | 17 | 0 | 17 | | 7 | | | | Table | |
| 10 | TMF - Remote Fetching | 0 | 54 | 0 | 54 | | 51 | | | | Tracer Control | |
| 11 | GDB Tracing | 8 | 17 | 0 | 25 | With comments | 15 | Untested, no changes since | | | Tracer Control | |
| 12 | TMF - Sequence Diagram | 13 | 24 | 0 | 37 | With comments | 22 | Unused | | | Tracer Control | |
| 13 | TMF - Custom Parsers | 0 | 28 | 0 | 28 | | 12 | | | | Tracer Control | |
| 14 | LTTng 2.0 - Control View | 0 | 128 | 0 | 128 | With comments | 115 | | | | Config | |
| 15 | XML Analysis | 0 | 42 | 0 | 42 | With comments | 10 | | | | Config | |
| 16 | Trace Synchronization | 0 | 16 | 0 | 16 | | 0 | | | | Config | |
| 17 | TMF - Time Chart View | 0 | 26 | 0 | 26 | With comments | 1 | | | | Gantt-ish | |
| 18 | TMF - State System Explorer | 0 | 12 | 0 | 12 | | 6 | | | | Gantt | |
| 19 | TMF - Flame Chart View | 0 | 24 | 0 | 24 | With comments | 14 | | | | Gantt | |
| 20 | LTTng 2.0 - Control Flow View | 0 | 56 | 0 | 56 | | 22 | | | | Gantt | |
| 21 | LTTng 2.0 - Resources View | 0 | 44 | 0 | 44 | With comments | 16 | | | | Gantt | |
| 22 | Critical Path | 0 | 45 | 0 | 45 | With comments | 42 | | | | Gantt | |
| 23 | Flame Graph View | 0 | 19 | 0 | 19 | | 11 | | | | Gantt | |
| 24 | LTTng 2.0 - Memory Analysis | 0 | 23 | 0 | 23 | | 8 | | | | XY | |
| 25 | LTTng 2.0 - CPU Analysis | 0 | 27 | 0 | 27 | With comments | 13 | | | | XY | |
| 26 | Network Trace Analysis | 0 | 12 | 0 | 12 | With comments | 3 | | | | XY | |
| 27 | LTTng 2.0 - I/O Analysis | 0 | 21 | 0 | 21 | | 6 | | | | XY | |
| 28 | Counters View | 0 | 7 | 0 | 7 | | 0 | | | | XY | |

| | | | | | | | | | | | | |
|----|------------------------------|-------------|--------------|--------------|-------------|---------------|------------|--------------------------------|--|--|--|---------|
| 29 | LAMI | 37 | 0 | 0 | 37 | With comments | 0 | <i>Untested as feature was</i> | | | | Reports |
| 30 | Tracing RCP | 0 | 33 | 1 | 34 | With comments | 0 | | | | | |
| | | | | | | | | | | | | |
| | Total: | 58 | 968 | 0 | 1027 | | 550 | Remaining: 12% | | | | |
| | New Bug Reports found | Open | Fixed | Total | | | | | | | | |
| | Bug Reports | 11 | 5 | 16 | | | | | | | | |

| Section | | # Bug Reports | # Open | # Fixed |
|---|---|---|--------|--------------------------|
| Bug Reports | | 17 | 11 | 5 |
| Test Case | Bug Title | Bug Report | Status | |
| Drag and Drop from other Tracing project | tmf: java.lang.Error: SWT Resource was not properly disposed for TmfPieChart when closing trace | https://bugs.eclipse.org/bugs/show_bug.cgi?id=576612 | Open | |
| Delete propagation | Deleting last trace from Experiment also deletes that experiment | https://bugs.eclipse.org/bugs/show_bug.cgi?id=579305 | Fixed | Not a bug |
| Overwrite | Yes-To-All in Trace Package Import wizard prompts again (behaves like Yes) | https://bugs.eclipse.org/bugs/show_bug.cgi?id=579323 | Open | |
| Set invalid window span | [TMF] Entering a window span of 1ns in Histogram View should be invalid | https://bugs.eclipse.org/bugs/show_bug.cgi?id=550946 | Open | |
| Mouse synchronization (single time) | Left-clicking on time chart first doesn't sync in editor and other views | https://bugs.eclipse.org/bugs/show_bug.cgi?id=579357 | Fixed | Not a bug |
| Filter cleared | Clearing filter from editor doesn't update time chart view | https://bugs.eclipse.org/bugs/show_bug.cgi?id=579358 | Fixed | |
| Select Event using arrow keys (457852) | [TMF] Event table raw viewer selection not propagated to Properties view | https://bugs.eclipse.org/bugs/show_bug.cgi?id=457852 | None | Fixed? |
| Open Experiment | Flame Graph symbol resolution does not work with experiment | https://bugs.eclipse.org/bugs/show_bug.cgi?id=512462 | Open | |
| Delete analysis | [lami] Remove External Analysis does not refresh properly | https://bugs.eclipse.org/bugs/show_bug.cgi?id=543800 | Open | |
| Actions unavailable | [lami]: It is not possible to know why an analysis cannot be executed | https://bugs.eclipse.org/bugs/show_bug.cgi?id=498218 | Fixed | |
| Deselection | [lami] Selecting an already selected bar in chart doesn't unselect it from chart or table | https://bugs.eclipse.org/bugs/show_bug.cgi?id=579392 | Open | Deselection (other test) |
| Test page navigation, Test menu item 'Pages...' | [Sequence Diagram] Go to {next,previous} page does not update SD view | https://bugs.eclipse.org/bugs/show_bug.cgi?id=581103 | Fixed | Not a bug (cf. Bernd) |
| Find short-cut | [Sequence Diagram] Multiple Find dialogs can be opened simultaneously | https://bugs.eclipse.org/bugs/show_bug.cgi?id=581104 | Open | |
| Show node {end,start} short-cut | [Sequence Diagram] Shift-Alt-{home,end} does not work if hovering over selected int | https://bugs.eclipse.org/bugs/show_bug.cgi?id=581105 | Open | |
| Overview feature | [TMF] Sequence Diagram Overview feature not working well on recent platform versions | https://bugs.eclipse.org/bugs/show_bug.cgi?id=436442 | Open | |
| Print | [Sequence Diagram] Print dialog does not update Preview upon Print range changes | https://bugs.eclipse.org/bugs/show_bug.cgi?id=581106 | Open | |
| Open crossed out analysis | [lami] NotEnabledException when trying to open an analysis that is crossed out | https://bugs.eclipse.org/bugs/show_bug.cgi?id=581950 | Open | |

| Section | Pass | Fail | Automated | To Do | Comments | |
|--------------------------------------|--|---|--|----------|-----------|--|
| Integration | 12 | 0 | 0 | 0 | 19 | |
| Target: Ubuntu 20.04.5 64-bit | | | | | | |
| Step | Test Case | Action | Verification | Type | Comment | |
| | EPP: Eclipse Packaging Project | | | | | |
| 1 | Verify C/C++ EPP Package RC1 | | | | | |
| 1.1 | Download EPP Package | Download, extract and start EPP package. Check the mailing list for the package: https://dev.eclipse.org/mailman/listinfo/epp-dev | EPP Package starts | Manual | N/A | Verified after RC2 |
| 1.2 | Version of Tracing Features | Go to Help -> About Eclipse IDE -> Installation Details | Verify that all tracing features and plug-ins are present and have the correct version (TMF, LTTng, CTF, GDBTrace) | Manual | N/A | Verified after RC2 |
| 1.3 | GDB Tracepoint Analysis presence | Open GDB Trace perspective | GDB Trace perspective opens | Manual | N/A | Verified after RC2 |
| 1.4 | LTTng presence | Open LTTng Kernel perspective | LTTng Kernel perspective opens | Manual | N/A | Verified after RC2 |
| 1.5 | OS Tracing presence | Open OS Tracing Overview perspective | OS Tracing Overview perspective opens | Manual | N/A | Verified after RC2 |
| 1.6 | TMF presence | Open Tracing perspective | Tracing perspective opens | Manual | N/A | Verified after RC2 |
| 1.7 | 2025-06 Update Site | Go to Help -> Install New Software... -> Update site, select "2025-06 - https://download.eclipse.org/releases/2025-06/ ", Unselect "Hide items that are already installed" | Verify that all LTTng Kernel, LTTng UST and GDB Trace are available | Manual | N/A | Verified after RC2 |
| 2 | Verify C/C++ EPP Package RC2 | | | | | |
| 2.1 | Download EPP Package | Download, extract and start EPP package. Check the mailing list for the package: https://dev.eclipse.org/mailman/listinfo/epp-dev | EPP Package starts | Manual | Pass | Verified after RC2 |
| 2.2 | Version of Tracing Features | Go to Help -> About Eclipse IDE -> Installation Details | Verify that all tracing features and plug-ins are present and have the correct version (TMF, LTTng, CTF, GDBTrace) | Manual | Pass | Verified after RC2 |
| 2.3 | GDB Tracepoint Analysis presence | Open GDB Trace perspective | GDB Trace perspective opens | Manual | Pass | Verified after RC2 |
| 2.4 | LTTng presence | Open LTTng Kernel perspective | LTTng Kernel perspective opens | Manual | Pass | Verified after RC2 |
| 2.5 | OS Tracing presence | Open OS Tracing Overview perspective | OS Tracing Overview perspective opens | Manual | Pass | Verified after RC2 |
| 2.6 | TMF presence | Open Tracing perspective | Tracing perspective opens | Manual | Pass | Verified after RC2 |
| 2.7 | 2025-06 Update Site | Go to Help -> Install New Software... -> Update site, select "2025-06 - https://download.eclipse.org/releases/2025-06/ ", Unselect "Hide items that are already installed" | Verify that all LTTng Kernel, LTTng UST and GDB Trace are available | Manual | Pass | Verified after RC2 |
| 3 | Verify Update Site | | | | | |
| 3.1 | 2025-curr Update Site | Download Eclipse for Committers and install LTTng Kernel, LTTng UST, GDBTrace and PCAP Network Analysis from main simrel testing Update site "2025-curr - http://download.eclipse.org/releases/2025-curr/ " | Verify that installation was successful | Manual | Pass | Verified after RC2 |
| 3.2 | Trace Compass Update Site | Download Eclipse for Committers and install LTTng Kernel, LTTng Control, LTTng UST, GDBTrace and PCAP Network Analysis from the Trace Compass Update site http://download.eclipse.org/tracecompass/2025-curr/milestones/rc2 | Verify that installation was successful | Manual | Pass | Verified after RC2 |
| 3.3 | Upgrade using 2025-curr Update Site | Download Eclipse for Committers from 2025-prev and install LTTng, LTTng Kernel, GDBTrace and PCAP Network Analysis from main simrel Update site. http://download.eclipse.org/releases/2025-prev Try to update the installation using the testing simrel update site https://download.eclipse.org/releases/2025-curr/ | Verify that installation was successful | Manual | Pass | Verified after RC2 |
| 3.4 | Upgrade using Trace Compass Update Site | Download Eclipse for Committers from 2025-prev and install LTTng, LTTng Kernel, LTTng UST, GDBTrace and PCAP Network Analysis from the Trace Compass release Update site. https://download.eclipse.org/tracecompass/releases/10_prev.0/repository Try to update the installation using the Trace Compass update site http://download.eclipse.org/tracecompass/2025-curr/milestones/rc2 | Verify that installation was successful | Manual | Pass | Verified after RC2 |
| 3.5 | Upgrade from previous EPP | Download Eclipse previous C/C++ EPP package (2025-prev). Try to upgrade using both update sites: " https://download.eclipse.org/releases/2025-curr/ " The information about the update sites to use is usually posted on epp-dev: https://dev.eclipse.org/mailman/listinfo/epp-dev | Verify that installation was successful | Manual | Pass | Must also select 'LTTng Tracer Control' to upgrade, which requires unchecking 'Group items by category'. |
| 4 | Verify Update Site | Release outside release train | | | | |
| 4.1 | Trace Compass update site | Download Eclipse standard and install LTTng Kernel, LTTng Control, LTTng UST, GDBTrace and PCAP Network Analysis from main Update site: https://download.eclipse.org/tracecompass/stable/repository/ and https://download.eclipse.org/tracecompass/releases/10.2.0/repository/ | Verify that installation was successful | Manual | N/A | |
| 4.2 | Upgrade using Trace Compass update site | Download Eclipse standard and install LTTng Kernel, LTTng Control, LTTng UST, GDBTrace and PCAP Network Analysis from the Trace Compass update site: https://download.eclipse.org/tracecompass/stable/repository/ and http://download.eclipse.org/tracecompass/releases/10.2.0/repository/ | Verify that installation was successful | Manual | N/A | |

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

| Section | Pass | Fail | Automated | To Do | Comments | | |
|-------------------------------------|--------------------------|--|--|--------|----------|---------------------------|----------------------|
| TMF - Events Editor | 25 | 0 | 11 | 0 | 5 | | |
| Target: Windows | | | | | | | |
| 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 | | |
| 2 Trace bookmarks | | | | | | | |
| Moved to sheet "BookmarksVlew" | | | | | | | |
| 3 Experiment bookmarks | | | | | | | |
| Moved to sheet "BookmarksVlew" | | | | | | | |
| 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 | | |
| 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 | Histogram and Properties. | 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 | Histogram and Properties. | 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 | Histogram and Properties. | 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 to 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 | | |
| 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. Make sure the events table is clicked. | 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 | <p>1) Download traces.zip (if necessary) and unzip into a local directory \${local}</p> <p>2) Unzip traces/c_project_callsite.zip and traces/callsite.zip to your local disk.</p> <p>3) Import demo C project to the Eclipse workspace of zip file c_project_callsite.zip</p> <p>4) Import the test trace of zip file callsite.zip to a tracing project.</p> <p>5) Select trace type "Generic CTF Trace" and open the trace.</p> <p>MAKE SURE THE FILES ARE IN THE SAME LOCATION</p> | Zip file(s) available under https://drive.google.com/drive/folders/1DJ2FSYW1u8HHfi2HwCtoAOKc | Manual | Pass | | |
| 7.2 | Open call site | <p>1) select event in table</p> <p>2) click right mouse button</p> <p>3) select "Open Source Code" menu item</p> | Verify that correct source code file and line number is opened | Manual | Pass | | |
| 7.3 | Open call site (no source code) | <p>1) Close source code project</p> <p>2) select event in table</p> <p>3) click right mouse button</p> <p>4) select "Open Source Code" menu item</p> | Since the source code is not available no source code file is opened. Instead an error dialog is opened (with title "FileNotFoundException") | Manual | Pass | | |
| 8 Export to text | | | | | | | |
| 8.1 | Export CTF trace | <p>1) Open a CTF trace (e.g. LTTng Kernel)</p> <p>2) Click right mouse button</p> <p>3) Select "Export To Text" menu item</p> <p>4) Enter a file name and location</p> <p>5) Press OK</p> <p>Progress bar is the eclipse one in the bottom.</p> | 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 | | |
| 8.2 | Export Other Trace | <p>1) Open a trace other than CTF trace</p> <p>2) Click right mouse button</p> <p>3) Select "Export To Text" menu item</p> <p>4) Enter a file name and location</p> <p>5) Press OK</p> | 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 | https://cdn.vector.com/cms/content/products/TA_Tool_Suite/Docs/BTF_Specification.pdf | |
| 8.3 | Copy to clipboard | <p>1) Open a CTF trace (e.g. LTTng Kernel)</p> <p>2) Click right mouse button</p> <p>3) Select "Copy to Clipboard" menu item</p> <p>4) Paste it in a text file</p> | 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 | <p>1) Open a trace</p> <p>2) Drag a column</p> | Covered by SWTBot tests | SWTBot | Pass | | |
| 8.2 | Change fonts | <p>1) Open the preferences</p> <p>2) select new font for trace types</p> <p>3) press apply</p> <p>4) verify that the font changed</p> | Covered by SWTBot tests | SWTBot | Pass | | |
| 8.3 | Reset fonts | <p>1) Open the preferences</p> <p>2) Reset the font settings</p> <p>3) Press apply</p> <p>4) verify that the font changed</p> | Covered by SWTBot tests | SWTBot | Pass | | |

| Section | Pass | Fail | Automated | To Do | Comments |
|-----------------------------------|---|---|--|--------|----------|
| TMF - Project View | 152 | 0 | 106 | 0 | 12 |
| Target: Ubuntu 20.04.5 LTS 64-bit | | | | | |
| Step | Test Case | Action | Verification | Type | Comment |
| 1 Preparation | | | | | |
| 1.1 | Step 1 | Open LTTng Kernel perspective | LTTng perspective opens with correct views | SWTBot | Pass |
| 1.2 | Step 2 | Open Project Explorer | Project Explorer 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 | SWTBot | Pass |
| 2.3 | Project structure | Open the new Tracing project | Project contains Experiments and Traces folders | SWTBot | Pass |
| 3 Traces Folder | | | | | |
| | Preparation | 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. | | | |
| 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 file, not 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 "LTTng 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 | | | |

| Section | Pass | Fail | Automated | To Do | Comments |
|--------------------|--|--|---|--------|----------|
| TMF - Project View | 152 | 0 | 106 | 0 | 12 |
| Target: | Ubuntu 20.04.5 LTS 64-bit | | | | |
| Step | Test Case | Action | Verification | Type | Comment |
| 3.14 | Recursive import with auto-detection (Overwrite All) | <p>1) Open Import wizard (see 3.1-3.2)</p> <p>2) Browse to directory \${local}/traces/import/</p> <p>3) select directory import</p> <p>4) Keep <Auto Detection>, Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure"</p> <p>5) press Finish</p> <p>6) When dialog appears select Overwrite All"</p> <p>Preparation</p> <p>Delete all traces in project</p> | <p>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.</p> | SWTBot | Pass |
| 3.15 | Recursive import with auto-detection (Skip All) | <p>1) Open Import wizard (see 3.1-3.2)</p> <p>2) Browse to directory \${local}/traces/import/</p> <p>3) select directory import</p> <p>4) Keep <Auto Detection>, Select "Import unrecognized traces", unselect "Overwrite existing without warning" and select "Create Links to workspace" and uncheck "preserve folder structure"</p> <p>5) press Finish</p> <p>6) When dialog appears select Skip All"</p> <p>Preparation</p> <p>Delete all traces in project</p> | <p>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.</p> | SWTBot | Pass |
| 3.16 | Recursive import with auto-detection (test rename, overwrite and skip) | <p>1) Open Import wizard (see 3.1-3.2)</p> <p>2) Browse to directory \${local}/traces/import/</p> <p>3) select directory import</p> <p>4) Keep <Auto Detection>, Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure"</p> <p>5) press Finish</p> <p>6) When dialog appears select "Rename"</p> <p>7) When dialog appears select "Overwrite"</p> <p>8) When dialog appears select "Skip"</p> <p>Preparation</p> <p>Delete all traces in project</p> | <p>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.</p> | SWTBot | Pass |
| 3.17 | Recursive import with specific trace type 1 (Skip All) | <p>1) Open Import wizard</p> <p>2) Browse to directory \${local}/traces/import/</p> <p>3) select directory import</p> <p>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</p> <p>5) press Finish</p> <p>6) When dialog appears select Skip All"</p> <p>Preparation</p> <p>Delete all traces in project</p> | <p>After selecting trace type, verify that button "Import unrecognized traces" is disabled.</p> <p>4 CTF traces are imported with trace type "Generic CTF Trace" . Make sure that these traces can be opened</p> | SWTBot | Pass |
| 3.18 | Recursive import with specific trace type 2 (Skip All) | <p>1) Open Import wizard</p> <p>2) Browse to directory \${local}/traces/import/</p> <p>3) select directory import</p> <p>4) Select trace type "LTTng Kernel Trace", Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure"</p> <p>5) press Finish</p> <p>6) When dialog appears select Skip All"</p> <p>Preparation</p> <p>Delete all traces in project</p> | <p>After selecting trace type, verify that button "Import unrecognized traces" is disabled.</p> <p>One LTTng Kernel trace is imported with trace type "LTTng Kernel Trace". Make sure that this trace can be opened.</p> | SWTBot | Pass |
| 3.19 | Recursive import with specific trace type 3 (Skip All) | <p>1) Open Import wizard</p> <p>2) Browse to directory \${local}/traces/import/</p> <p>3) select directory import</p> <p>4) Select trace type "LTTng UST Trace", Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure"</p> <p>5) press Finish</p> <p>6) When dialog appears select Skip All"</p> <p>Preparation</p> <p>Delete all traces in project</p> | <p>After selecting trace type, verify that button "Import unrecognized traces" is disabled.</p> <p>3 LTTng UST traces are imported with trace type "LTTng UST Trace". Make sure that these traces can be opened.</p> | SWTBot | Pass |
| 3.20 | Recursive import with specific trace type 4 (Skip All) | <p>1) Open Import wizard (see 3.1-3.2)</p> <p>2) Browse to directory \${local}/traces/import/</p> <p>3) select directory import</p> <p>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"</p> <p>5) press Finish</p> <p>6) When dialog appears select Skip All"</p> <p>Preparation</p> <p>Delete all traces in project</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 |
| 3.21 | Import wizard from workbench menu with project selected | <p>1) Select project "Test" in Project Explorer view</p> <p>2) Open import wizard from menu File > Import... > Tracing > Trace</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</p> <p>2) Open import wizard from menu File > Import... > Tracing > Trace</p> <p>Preparation</p> <p>Delete all traces in project</p> | <p>Verify that trace is imported to default "Tracing" project and can be opened.</p> | SWTBot | Pass |

| Section | Pass | Fail | Automated | To Do | Comments |
|-----------------------------------|---|---|--|--------|---|
| TMF - Project View | 152 | 0 | 106 | 0 | 12 |
| Target: Ubuntu 20.04.5 LTS 64-bit | | | | | |
| Step | Test Case | Action | Verification | Type | Comment |
| 3.23 | Drag and Drop from other Tracing project | D&D a few LTTng traces from another Tracing project's Traces folder | Selected traces are added to Traces folder with proper icon. Trace can be opened. | Manual | Pass https://bugs.eclipse.org/bugs/show_bug.cgi?id=576612 Anh: DnD works, trace can be opened, delayed update for total number of traces in the project on initial app startup |
| 3.24 | Drag and Drop from non-Tracing project | D&D a few files from a non-Tracing project, if a CTF trace, will need to drag the entire folder | Selected traces are added to the Traces folder with default icon. Files can be opened with the default editor. | Manual | Pass Dropping a folder linking to existing kernel trace one from generic project. When dragging under Tracing project root, icons look like defaults. When dragging under Traces folder, icons and Views become standard tracing ones. |
| 3.25 | Drag and Drop from external | D&D a few files from an external file manager | 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. | Manual | Pass Similar to above. Anh: Does not work with nested folder. E.g. wrapping-folder/trace-containing-folder. The folder structure without the traces are imported but the trace-containing-folder is shown as empty. |
| 3.26 | Drag and Drop of trace with existing name | 1) D&D a trace with name of an existing trace into traces folder 2) Confirm the renaming of traces | Verify that trace is added into the traces folder with the trace name of the original trace plus a suffix (2) | Manual | Pass To help visualize 201-lttng-userspace-tracing ├── is just └── <EMPTY> |
| 3.27 | Drag and Drop of trace with existing name (2nd time) | Redo test 3.26 with the same trace and same destination folder | Verify that trace is added into the traces folder with the trace name of the original trace plus a suffix (3) | Manual | Pass Anh: If existing trace has name "TraceName(2)", then suffixed to "TraceName(2)(2)" instead of "TraceName(3)". Note that there's no "TraceName" originally. So technically this passes. |
| 3.28 | Import destination | Open Import wizard | Verify "Into Folder" box cannot be updated | Manual | Pass Sehr: Not sure which import method this is using, it passes for Trace Import, but not other file imports |
| Preparation | | Delete all traces in project 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 | 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. | SWTBot | Pass |
| 3.29 | Recursive import with preserved folder structure | 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 | 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 |
| 3.30 | Recursive import with preserved folder structure (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 "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" | 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 |
| 3.31 | Recursive import with preserved folder structure (Rename 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 "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 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 |
| 3.32 | Delete with mixed selection of traces and folders | 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 |
| 3.33 | Delete multiple folders | 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 |
| 3.34 | Clear single Traces folder | 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 |
| 3.35 | Clear multiple Traces folder | 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 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 |
| 3.36 | Import from zip archive, preserve folder structure | 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 | | | |

| Section | Pass | Fail | Automated | To Do | Comments |
|--------------------|--|---|--|--------|---------------------------|
| TMF - Project View | 152 | 0 | 106 | 0 | 12 |
| Target: | Ubuntu 20.04.5 LTS 64-bit | | | | |
| Step | Test Case | Action | Verification | Type | Comment |
| 3.37 | Import from zip archive, no preserve folder structure | 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 | 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 |
| | Preparation | Delete all traces in project | | | |
| 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 |
| 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 |
| | | | | | Numpad-enter doesn't work |
| 5 | Experiments Folder | | | | |
| 5.1 | Experiments menu | Select the Experiments folder and open it context menu | Correct menu opens (New, Manage XML Analysis, Refresh) | RCPTT | Pass |
| 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, | RCPTT | Pass |
| 6.2 | Select Traces dialog | Select the Select Traces menu | Select Traces dialog is open and populated w/ | 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 opened and views populated | Manual | Pass |
| 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 (not numpad) | Experiment is opened | RCPTT | Pass |
| 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 | SWTBot | Pass |
| 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 are imported to the experiment | SWTBot | Pass |
| 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 |

Automation Candidates

| Section | Pass | Fail | Automated | To Do | Comments | |
|--|---|---|--|--------|----------|---|
| TMF - Project View | 152 | 0 | 106 | 0 | 12 | |
| Target: Ubuntu 20.04.5 LTS 64-bit | | | | | | |
| Step | Test Case | Action | Verification | Type | Comment | |
| 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 project | 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, if dragging a CTF it needs to be the whole folder and not just the file | 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's). 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 experimnt 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 are imported to the experiment | Manual | Pass | Anh: Partial pass- Experiment is not closed, selected traces are imported Retested 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 (and when renaming the experiment) | Manual | Pass | Automation Candidate |
| 8.3 | Delete propagation | In Traces folder, delete a trace showing in both experiments | Selected trace is removed from both experiments; also propagates when deleting trace in experiment | Manual | Pass | 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 | Automation Candidate |
| 9.3 | Check trace properties | Open an LTTng kernel trace, click on the trace, check the new properties view. | "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, then select each trace under experiment, check the new properties view. | The "Trace properties" should be populated for every subtrace when it is selected | Manual | Pass | Automation Candidate |
| 10 Trace Type Selection | | | | | | |
| 10.1 | Preparation | Import a file with unrecognized trace type (\${local}/traces/import/unrecognized.log) | Imported trace appears in Traces with default icon. File 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 | Properties "type" and "type ID" are blank | Manual | Pass | |
| 10.3 | Trace filtering | Select an experiment and open "Select Traces..." dialog | Untyped trace does not appear in list | SWTBot | Pass | |
| 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 | 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 opened and <trace name>/StateHistory.ht is listed | RCPTT | Pass | |

| Section | Pass | Fail | Automated | To Do | Comments |
|-----------------------------------|--|--|---|--------|----------|
| TMF - Project View | 152 | 0 | 106 | 0 | 12 |
| Target: Ubuntu 20.04.5 LTS 64-bit | | | | | |
| Step | Test Case | Action | Verification | Type | Comment |
| 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 | 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 opened 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 |
| 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 |
| 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 | | Manual | Pass |
| 13.2 | Open the trace package export wizard | Right click on a tracing project and select Export... > Tracing > Trace Package Export and click Next | 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, select both traces. | Next should 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 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 Finish button is disabled. | Manual | Pass |
| 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

Automation Candidate

Automation Candidate

| Section | Pass | Fail | Automated | To Do | Comments | |
|---------------------------------------|--|---|---|--------|----------|---|
| TMF - Project View | 152 | 0 | 106 | 0 | 12 | |
| Target: | Ubuntu 20.04.5 LTS 64-bit | | | | | |
| Step | Test Case | Action | Verification | Type | Comment | |
| 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 | 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 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 both exported archives contain: 1) A trace folder for each trace 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. | | Manual | Pass | |
| 14.2 | Open the trace package import wizard | Right-click on project and select "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 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 | |
| 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 view appears | 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 14.2) and select the archive file (step 14.4). Click Finish. | A dialog should prompt the user to overwrite for each trace. Answering Yes to All should overwrite without prompting again. | Manual | Pass | https://bugs.eclipse.org/bugs/show_bug.cgi?id=579323 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. | | Manual | Pass | |

| Section | Pass | Fail | Automated | To Do | Comments | |
|-----------------------------------|--|--|---|--------|----------|----------------------|
| TMF - Project View | 152 | 0 | 106 | 0 | 12 | |
| Target: Ubuntu 20.04.5 LTS 64-bit | | | | | | |
| Step | Test Case | Action | Verification | Type | Comment | |
| 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 shows 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 (selected trace in Explorer) 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 | |
| 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 | |

| Section | | Pass | Fail | Automated | To Do | Comments |
|--------------------------|---------------------------------------|---|--|-----------|---------|----------|
| TMF - Bookmarks View | | 17 | 0 | 17 | 0 | 0 |
| Target: | Unspecified | | | | | |
| 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 | SWTBot | Pass | |
| 2 Trace bookmarks | | | | | | |
| 2.1 | Show Bookmarks View | Select Bookmarks view (bottom folder) | Bookmarks view is shown | SWTBot | 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 side of the event row and is added to the Bookmarks view with relevant information (i.e. Description entered and correct trace resource) | SWTBot | Pass | |
| 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 | SWTBot | Pass | |
| 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 | SWTBot | Pass | |
| 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 | SWTBot | Pass | |
| 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 | SWTBot | Pass | |
| 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 | SWTBot | Pass | |
| 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 | SWTBot | Pass | |

| 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 | SWTBot | Pass |
| 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) | SWTBot | Pass |
| 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 | SWTBot | Pass |
| 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 | SWTBot | Pass |
| 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 | SWTBot | Pass |
| 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 | SWTBot | Pass |
| 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 | SWTBot | Pass |

| Section | | Pass | Fail | Automated | To Do | Comments |
|----------------|---|--|--------------|-----------|----------|----------|
| | TMF - Filters View | 12 | 0 | 12 | 0 | 1 |
| Target: | Unspecified | | | | | |
| Step | Test Case | Action | Verification | Type | | 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 | Automated | To Do | Comments |
|--|-------------------------------------|--|---|--------|----------|
| TMF - Histogram View | 5 | 0 | 6 | 0 | 1 |
| Target | Windows | | | | |
| Step | Test Case | Action | Verification | Type | 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 |
| 2.2 | Open view | Window > Show View > Tracing > Histogram | Histogram View is displayed and re-populated | SWTBot | Pass |
| 2.3 | Resize | Resize the Histogram View width-wise | Histograms are compressed/decompressed without loss | SWTBot | Pass |
| 3 Full Trace Histogram | | | | | |
| 3.1 | Single selection | Select timestamp with left-click | Selection Start/End + blue bars are updated Zoom window also moves | 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 Zoom window also moves | 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. A bucket is one pixel width on the view | 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 |
| 3.9 | Lost events | With a trace containing lost events, click the "Hide lost events" toolbar icon. Click it again. Use "Hello lost" in traces | The lost events (red bars) are toggled on and off | Manual | Pass |
| 3.10 | Zoom in/out (key) | Zoom in/out with +/- key Reminder: + is shift = | 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, won't exceed the zoom window | Manual | Pass |
| 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 |
| 4.10 | Zoom in/out (key) | Zoom in/out with +/- key Reminder: + is shift = | 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 |
| 5.2 | Set selection end | Enter a TS within the full range in Selection End widget | Selection End + blue bars are updated | Manual | Pass |
| 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 | Pass |
| 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 in the ... menu. 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. It can be larger than the 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 |

Range doesn't change but zoom does, for these 4 tests below.

| Section | | Pass | Fail | Automated | To Do | Comments |
|----------------|-----------------------------|---|--------------|-----------|----------|----------|
| | TMF - Colors View | 6 | 0 | 6 | 0 | 0 |
| Target: | Unspecified | | | | | |
| Step | Test Case | Action | Verification | Type | 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 | Automated | To Do | Comments |
|-------------------------------|---|---|---|--------|--|
| TMF - Sequence Diagram | 24 | 0 | 22 | 13 | 2 |
| Target: | Ubuntu 20.04.5 LTS 64-bit | | | | |
| 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 perspective | 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. The hamburger menu should help. | Manual | To Do |
| 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). Tooltip is following the OS theme. | UITest | Pass |
| 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 | To Do | |
| 5.6 | Find short-cut | 1) Select 'Sequence Diagram' view 2) press CTRL+f | Verify that find dialog opens | Manual | To Do | https://bugs.eclipse.org/bugs/show_bug.cgi?id=581104 Sehr: This bug is still relevant |
| 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 (pointer) 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 if it fits the screen | Manual | To Do | |

| | | | | | | |
|------|--|---|--|--------|-------|---|
| 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 | To Do | |
| 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 | To Do | |
| 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 | To Do | |
| 5.21 | Scroll down short cut | Press SHIFT+ALT+ARROW_DOWN | Verify that within a page the display scrolls down per view size | Manual | To Do | |
| 5.22 | Scroll up short cut | Press SHIFT+ALT+ARROW_UP | Verify that within a page the display scrolls up per view size | Manual | To Do | |
| 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 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's possible to navigate through a page of the sequence diagram view May be hard to see. | Manual | To Do | GTK 3 problem ? |
| 5.24 | Print | | Verify that it is possible to print | Manual | To Do | Pass on 16.04 and 16.10... could it be cups giving you a hard time? |
| 5.25 | Remove filter (Bug 391714) | 1) Create 1 filter ("Hide Patterns") 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 filters are listed | Manual | To Do | |
| 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 | To Do | |

| Section | Pass | Fail | Automated | To Do | Comments |
|--------------------------------|---|---|--|--------|----------------------|
| TMF - Statistics View | 17 | 0 | 7 | 0 | 0 |
| Target: Windows | | | | | |
| 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 | SWTBot | Pass |
| | | When running the Trace Compass RCP: Use menu Window → Show View → Tracing → Statistics | | | |
| 1.2 | Open TMF Statistics View | When running Trace Compass installed in Eclipse: Use menu Window → Show View → Other ... → Tracing → Statistics | Verify that 'Statistics' view is shown | SWTBot | Pass |
| | | 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 |
| 1.3 | Open experiment | | | | |
| 2 Manage View | | | | | |
| 2.1 | Delete view | Close the 'Statistics' View | Statistics' view is removed from | RCPTT | Pass |
| | | | Statistics' view View is displayed and re-populated | RCPTT | Pass |
| 2.2 | Open view | Use menu Window → Show View → Tracing → Statistics | | | |
| 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. | 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 | 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 |
| 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 |
| | | | | | Automation Candidate |
| | | | | | Automation Candidate |

| 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 | 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 | Manual | Pass | 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 | Manual | Pass | 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 | 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 | 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 | Manual | Pass | Automation Candidate |
| 5.8 | Close all traces | Close all Events editor tabs | View is cleared. | SWTBot | Pass | |

| Section | Pass | Fail | Automated | To Do | Comments |
|-------------------------------------|--|--|---|--------|---------------------------------|
| TMF - Time Chart View | 26 | 0 | 1 | 0 | 2 |
| Target: Ubuntu 20.04.4 | | | | | |
| 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 Candidate for incubator |
| 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 the active trace. 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 the active trace. Range of view is union of full trace ranges. Dates may be hard to read | 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. Color may be subtle | 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 viewed 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. The window range will update if the selection is out of range. | 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 |
| 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 1. right-button, 2. drag to select new zoom range -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 | Anh: But took VERY long time |
| 5.3 | Filter synchronization | Enter a filter regex in event table from the filter view | 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 | |
| 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 | Automated | To Do | Comments |
|-----------------------------------|---------------------------------------|--|---|--------|------------------------------|
| TMF - Custom Parsers | 28 | 0 | 12 | 0 | 0 |
| Target: Windows | | | | | |
| Step | Test Case | Action | Verification | Type | Comment |
| 0 Prerequisites | | | | | |
| 0.1 | Get custom parser definition and logs | In the trace compass git, get the traces located in org.eclipse.tracecompass/tmf/org.eclipse.tracecompass.tmf.core.tests/testfiles/xml get the definitions (testDefinition.xml) and the valid traces in the valid subdirectory. | traces.zip is located in this folder https://drive.google.com/drive/folders/1DJ2FSYWi1u8HHfi2HwCtoAOKcCpZMDr8?usp=sharing | | |
| 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 | 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, <a><c>1</c><d>1</d><c>2</c><d>1</d> 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 | |
| 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 | | | | | | |
| 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 | Automated | To Do | Comments | |
|---|--|--|---|--------|----------|----------------------------------|
| TMF - State System Explorer | 12 | 0 | 6 | 0 | 0 | |
| Target: Windows | | | | | | |
| Step | Test Case | Action | Verification | Type | Comment | Test that will make this swtbot |
| 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 | SWTBot | Pass | 84711 |
| 2 Manage View | | | | | | |
| 2.1 | Delete view | Close the State System Explorer' View | 'State System Explorer' view is removed from perspective | SWTBot | Pass | 84711 |
| 2.2 | Open view | Use menu Window → Show View → Tracing → State System Explorer | 'State System Explorer' view is displayed and re-populated | SWTBot | Pass | 84711 |
| 2.3 | Open Trace | Open an LTTng Kernel Trace | Verify that view is populated with kernel state system (o.e.t.analysis.os.linux.kernel) and statistics state systems (o.e.t.tmf.statistics.*) of opened trace | SWTBot | 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 | SWTBot | 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 its 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 | Pass | 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 | Pass | 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 |

| Section | Pass | Fail | Automated | To Do | Comments |
|-------------------------------|--|--|--|--------|----------|
| TMF - Remote Fetching | 54 | 0 | 51 | 0 | 0 |
| Target: Ubuntu 20.04.5 64-bit | | | | | |
| 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 |
| 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 > right 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 |
| 6 Edit Profile - Adversarial | | | | | |
| 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 |
| | 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 |
| | 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| | Clear traces | Delete all traces from Traces directory | All traces deleted | | |

| | | | | | | |
|------|---|--|---|---|--------|------|
| 8.9 | Re-run Profile "TestAllRecursive" (2) Clear traces | 1) Select profile "TestAllRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Finish' (enter password if needed) | Delete all traces from Traces directory All traces deleted | 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 |
| 8.10 | Run Profile "TestAllNonRecursive" Clear traces | 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' | Delete all traces from Traces directory All traces deleted | 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 |
| 8.11 | Run Profile "TestSpecificRecursive" Clear traces | 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' | Delete all traces from Traces directory All traces deleted | Verify that only kernel and custom text/XML logs are imported from root and subdirectory. Make sure that directory structure is preserved. | SWTBot | Pass |
| 8.12 | Run Profile "TestSpecificNonRecursive" Clear traces | 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' | Delete all traces from Traces directory All traces deleted | Verify that only kernel and custom text/XML logs are imported from root directory only. Make sure that directory structure is preserved. | SWTBot | Pass |
| 8.13 | Run Profile "TestSpecificMultiGroupRecursive" Clear traces | 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' | Delete all traces from Traces directory All traces deleted | 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 |
| 8.14 | Cancel Import Clear traces | 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) | Delete all traces from Traces directory All traces deleted | Verify that import operation is cancelled | SWTBot | Pass |
| 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' | Delete all traces from Traces directory All traces deleted | 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 |

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. platform dependent | Manual | Pass |
| 10 Other Remote Backends | | | | | |
| 10.1 | Clear traces | Delete all traces from Traces directory | All traces deleted | Manual | Pass |
| 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. Test with custom parsers from tmf.core.test | Manual | Pass |

| Section | Pass | Fail | Automated | To Do | Comments | |
|-----------------------------------|--|---|--|----------|----------|----------------------|
| TMF - Flame Chart View | 24 | 0 | 14 | 0 | 1 | |
| Target: Ubuntu 20.04.5 LTS 64-bit | | | | | | |
| Step | Test Case | Action | Verification | Type | 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 | |
| 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 | Close 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 | |
| 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 | SWTBot | Pass | |
| 3.4 | Zoom to function (time graph) | Double-click on a function (interval) in the time | Time range is updated to the full duration of the | 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 |
| 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, | SWTBot | Pass | |
| 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. | 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 "Configure ..." 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. Says "the following file(s) are invalid" | 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 | |
| 6 Function name import - CDT | | | | | | |
| 6.1 | Binary import | Click the "Configure ..." 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 | |
| 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 | Automated | To Do | Comments |
|-------------------------------|-------------------------------|--|---|--------|----------|
| LTTng 2.0 - Control Flow View | 56 | 0 | 22 | 0 | 0 |
| Target: Windows | | | | | |
| Step | Test Case | Action | Verification | Type | Comment |
| 0 Prerequisites | | | | | |
| 0.1 | Import traces | Import LTTng Kernel traces in Tracing project | | Manual | Pass |
| 0.2 | Create experiment | Create an experiment with LTTng Kernel traces | | Manual | Pass |
| 1 View management | | | | | |
| 1.1 | Open perspective | Open and reset LTTng Kernel Perspective | Control Flow view opens. | SWTBot | Pass |
| 1.2 | Open trace | Open Linux 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 Linux 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. | SWTBot | 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 (A block in the gantt chart) 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. | SWTBot | 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. | SWTBot | 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. | SWTBot | 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. | SWTBot | 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 | | |
| 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) | SWTBot | 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 | 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 and view doesn't zoom out | 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 | | Manual | Pass | | |
| 7.1 | Open multiple traces (no overlap) | Open multiple traces that don't overlap in time. For each trace, right click on the Events table and select Follow time update from other traces | 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 record events in the same time range. For each trace, right click on the Events table and select Follow time update 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 | | Manual | Pass | | |
| 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 | Persistent 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 | | automation candidate |
| 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 | | |

| Section | | Pass | Fail | Automated | To Do | Comments |
|--------------------------|------------------------|---|--|-----------|---------|----------------------|
| Critical Path | | 45 | 0 | 42 | 0 | 1 |
| Target: | Windows | | | | | |
| Step | Test Case | Action | Verification | Type | 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 Execution Graph analysis is there and the Critical Flow view is available under it. | SWTBot | Pass | |
| 1.2 | Open experiment | Open the django experiment in Project Explorer | Expand the Views element under the trace. The OS Execution Graph analysis is there and "normal". The Critical Path analysis is there and the Critical Flow view is available under it. | SWTBot | Pass | |
| 1.3 | Open view | Expand the Views element, then the Critical Path analysis and click on the Critical Flow View | Critical Flow view is opened and empty | SWTBot | Pass | |
| 1.4 | Close view | Close the Critical Flow View | Critical Flow view is closed | Manual | Pass | Automation Candidate |

| | | | | | | |
|--------------------------|-----------------------------------|--|---|--------|------|----------------------|
| 1.5 | Unapplicable trace | Open a trace that is not an LTTng kernel trace | Expand the Views element under the trace. The OS Execution Graph analysis is not there. | Manual | Pass | Automation Candidate |
| 1.6 | Unapplicable experiment | Open an experiment that does not contain LTTng kernel traces | Expand the Views element under the trace. The OS Execution Graph analysis is there, but striked out. | Manual | Pass | 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. | SWTBot | 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. | SWTBot | 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. | SWTBot | 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 | SWTBot | 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 | SWTBot | 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 | SWTBot | 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. | SWTBot | 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 Flow View should be populated like in step 2.1 | SWTBot | 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. | SWTBot | 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. | SWTBot | 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. | SWTBot | Pass | |

| | | | | | | |
|----------------------------|-------------------------------|--|--|--------|------|----------------------|
| 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. | SWTBot | 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. | SWTBot | 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. | SWTBot | 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. | SWTBot | Pass | Automation Candidate |
| 3.8 | Mouse hover (empty region) | Hover mouse in time graph over empty region | Tool tip shows process name and PID. [processName, pid] (e.g. [postgres,32554]) | SWTBot | Pass | 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. | SWTBot | 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) | SWTBot | 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) | SWTBot | 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. | SWTBot | 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. | SWTBot | Pass | |
| 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. | SWTBot | 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. | SWTBot | 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 | SWTBot | Pass | Automation Candidate |
| 5.2 | Show Legend | Click Show Legend button | The legend dialog is opened and can be closed. | SWTBot | 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. | SWTBot | 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. | SWTBot | Pass | it's not updated in other view | 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. | SWTBot | 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. | SWTBot | Pass | | 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) | SWTBot | 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 | SWTBot | 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 | SWTBot | 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 the they are enabled | SWTBot | Pass | | Automation Candidate |
| 5.12 | Show markers | Same as above, recheck the Bookmarks box | The bookmarks come back | SWTBot | 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. | SWTBot | Pass | | Automation Candidate |

| | | | | | | |
|-----|---------------------------------|---|---|--------|------|----------------------|
| 6.2 | Window range synchronization | Select a new window range in another view | Window range is updated. | SWTBot | 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 | SWTBot | 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 | SWTBot | Pass | Automation Candidate |

| Section | Pass | Fail | Automated | To Do | Comments |
|----------------------------|-------------------------------|--|--|--------|----------|
| LTTng 2.0 - Resources View | 44 | 0 | 16 | 0 | 1 |
| Target: Windows | | | | | |
| Step | Test Case | Action | Verification | Type | Comment |
| 0 Prerequisites | | | | | |
| 0.1 | Import traces | Import LTTng Kernel traces in Tracing project | | Manual | Pass |
| 0.2 | Create experiment | Create an experiment with LTTng Kernel traces | | Manual | Pass |
| 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. | SWTBot | Pass |
| 3.2 | Zoom time range (mouse wheel) | 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 |
| 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. | SWTBot | Pass |
| 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

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 name is shown. For INTERRUPT/SOFT_IRQ_ACTIVE state, CPU is shown. On usermode and syscall tool tip shows also shows TID and process name. For syscall the system call name is shown as well as the kernel callsite (if available). | 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) | SWTBot | 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. | SWTBot | 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 Resource button | Selected resource 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 .. | SWTBot | Pass | |

| | | | | | | | |
|---|---|---|--|--------|------|---|----------------------|
| 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 | | Automation Candidate |
| 6.2 | Time range synchronization | Select a new time range in Control Flow view or in Histogram view. | Time range is updated. (window/selection) | Manual | Pass | | 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 | | Manual | Pass | | |
| 7.1 | Open multiple traces (no overlap) | Open multiple traces that don't overlap in time. For each traces, click on the Events table and select <i>Follow time updates from other traces</i> | View shows the last opened trace. The <i>Follow time updates from other traces</i> option in the Context menu of the Events table is selected. | 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 each traces, click on the Events table and select <i>Follow time updates from other traces</i> | View shows the last opened trace. The <i>Follow time updates from other traces</i> option in the Context menu of the Events table is selected. | 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 | | Manual | Pass | | |
| 8.1 | Apply filter (1st trace) | 1) Open filter dialog | Make sure that only selected processes of | 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 | Sehr: It is kind of strange that the filter view has blank checkboxes for blank lines | 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 | Automated | To Do | Comments |
|---|---|--|--|--------|---|
| LTTrig 2.0 - Control View | | | | | |
| Target: | Unimported | | 00111 | 0 | Insert an asterisk in the last row so we don't lose which version of this is kept (max 100 1.0.0) |
| Step | Test Case | Action | Verification | Type | Comment |
| 0 | Prerequisites | For the tests below a Ubuntu machine with LTTrig 2.0 installed (with the tests 2.0.0 and 2.0.1) and a network device (e.g. a switch) connected to the network (e.g. a switch) must be available. Make sure that the network device is running (e.g. ping it), and has the correct IP address (e.g. 192.168.1.1) and is connected to the network (e.g. ping it). a) Windows -> Preferences -> General -> Network Connections b) Set Active Provider to "Direct" | LTTrig 2.0 Control View is installed The network device is running (e.g. ping it) and has the correct IP address (e.g. 192.168.1.1) and is connected to the network (e.g. ping it). | RCPTT | Pass |
| 0.1 | Set Proxy | | | | |
| General | | | | | |
| 1.1 | Open perspective | Open and read LTTrig Kernel Perspective | LTTrig Kernel perspective opens with correct Control view on the left bottom | SWT04 | Pass |
| Manage View | | | | | |
| 2.1 | Close view | Close Control View | Control view is removed from | Manual | Pass |
| 2.2 | Open Control view | Use menu Window -> Show View -> LTTrig -> Control | Verify that Control view is shown | SWT04 | Pass |
| Connection Handling | | | | | |
| Make sure that after 4) the new connection is shown in the tree. Verify that the new host is added to the Control view. "Connection Name" After SSID connection has been established, make sure that Provider and Session nodes are created in the Control view. Verify that all active Provider, Agent and LST (sessions) are shown under the Provider node. | | | | | |
| 3.1 | Create Host Connection | 1) Click Button "New Connection..." 2) Select "New" from "Bottom SSID" and click on Create 3) Enter connection name (e.g. MyHost), enter Host Name (e.g. DNS name or IP address), enter user name and password 4) Click "Proxy" 5) The created new create connection and click on "OK" | Verify that the corresponding host is added to the Control view and after successful SSID connection all data is retrieved from the remote host. Make sure that SSID connection is established and all data is retrieved from the remote host (Provider, sessions etc.) | RCPTT | Pass |
| 3.2 | Disconnect | a) Select host to disconnect and click Button "Disconnect" b) Press test with context sensitive menu item "Disconnect" | Verify that icon for the corresponding host changes to the disconnected icon | RCPTT | Pass |
| 3.3 | Connect | a) Select host to connect and click Button "Connect" b) Select host with context sensitive menu item "Connect" | Verify that icon for the corresponding host changes to the connected icon and after successful SSID connection all data is retrieved from the remote host. Make sure that SSID connection is established and all data is retrieved from the remote host (Provider, sessions etc.) | RCPTT | Pass |
| 3.4 | Select Host Connection | 1) Select Host 2) Click Button "New Connection..." 3) Select the host previously created 4) Select "OK" (Afterwards enter user ID and Password if necessary) | Verify that menu items are shown and enabled/disabled (depending on state: Connect (disabled), Disconnect (enabled), Refresh (enabled), Details (disabled)) | RCPTT | Pass |
| 3.5 | Hide context sensitive menu (host connected) | 1) Connect to remote host 2) Select connected node and click right mouse button | Verify enable state of view buttons: New Connection... (enabled), Connect (disabled), Disconnect (disabled), Refresh (enabled), Details (disabled), Proxy (disabled), Destroy Session... (disabled), Transfer Chapter (disabled), Inspec... (disabled) | RCPTT | Pass |
| 3.6 | View button enable state (host connected) | 1) Connect to remote host (if necessary) 2) Select connected node | Verify that menu items are shown and enabled/disabled (depending on state: Connect (disabled), Disconnect (enabled), Refresh (enabled), Details (disabled), Proxy (disabled), Destroy Session... (disabled), Transfer Chapter (disabled), Inspec... (disabled)) | RCPTT | Pass |
| 3.7 | Hide context sensitive menu (host disconnected) | 1) Disconnect from node 2) Select disconnected node and click right mouse button | Verify enable state of view buttons: New Connection... (enabled), Connect (disabled), Disconnect (disabled), Refresh (enabled), Details (disabled), Proxy (disabled), Destroy Session... (disabled), Transfer Chapter (disabled), Inspec... (disabled) | RCPTT | Pass |
| 3.8 | View button enable state (host connected) | 1) Disconnect to remote host (if necessary) 2) Select disconnected node if necessary 3) Select node to select (state disconnected) and click on button "Details" 4) Press test with context sensitive menu item "Details" | Verify that host is removed from the control view The connection should fail (unless single is configured for the specified port) | RCPTT | Pass |
| 3.9 | Delete | 1) Disconnect to remote host (if necessary) 2) Select disconnected node if necessary 3) Select node to delete (state disconnected) and click on button "Details" 4) Press test with context sensitive menu item "Details" | Verify that host is removed from the control view The connection should fail (unless single is configured for the specified port) | RCPTT | Pass |
| 3.10 | Create Host Connection with ssh port | → do 3.1 but this time specify a port number other than default SSH port 22 | | RCPTT | Pass |
| Session Handling | | | | | |
| 4.1 | Preparation | Connect to remote host | | | |
| 4.2 | Sessions Context Sensitive Menu | Select "Sessions" in tree and click right mouse button | Verify that menu items are shown and enabled: Refresh, Create Session..., Destroy Session..., Inspec... Verify that new session is added under the Session tree node. Verify properties in Properties view (by selecting the session in the Control view) | RCPTT | Pass |
| 4.3 | Create Session (default location) | 1) Click right mouse button on "Sessions" 2) Select "Create Session..." in the context sensitive menu 3) Enter session name "MySession", keep "Session Path" empty 4) Select "OK" | Verify that new session is added under the Session tree node. Verify properties in Properties view (by selecting the session in the Control view) | SWT04 | Pass |
| 4.4 | Create Session (custom location) | 1) Click right mouse button on "Sessions" 2) Select "Create Session..." in the context sensitive menu 3) Enter session name "MyOtherSession" 4) Enter custom path "MySessionPath" for "Session Path" 5) Select "OK" | Verify that new session is added under the Session tree node. Verify properties in Properties view (by selecting the session in the Control view) | RCPTT | Pass |
| 4.5 | Create Session - session already exists in GUI | 1) Click right mouse button on "Sessions" 2) Select "Create Session..." in the context sensitive menu 3) Enter session name "MySession", keep "Session Path" empty 4) Select "OK" 5) Then this creates message and a confirmation dialog. This will create a session which is not known by the Control View. 6) Click right mouse button on "Sessions" 7) Select "Create Session..." in the context sensitive menu 8) Enter session name "MySession", keep "Session Path" empty 9) Select "OK" | Verify that an error message appears in the message area of the dialog box with information that session "MySession" already exists in the tree. Verify that an error dialog box will appear with information that session "MySession" already exists in the tree. Verify that the confirmation dialog is created and the session is added to the tree. Verify that the session is added to the tree. Verify that the session is added to the tree. Verify that the session is added to the tree. | RCPTT | Pass |
| 4.6 | Create Session - session already exists on node | 1) Click right mouse button on "Sessions" 2) Select "Create Session..." in the context sensitive menu 3) Enter session name "MySession", keep "Session Path" empty 4) Select "OK" 5) Then this creates message and a confirmation dialog. This will create a session which is not known by the Control View. 6) Click right mouse button on "Sessions" 7) Select "Create Session..." in the context sensitive menu 8) Enter session name "MySession", keep "Session Path" empty 9) Select "OK" | Verify that an error message appears in the message area of the dialog box with information that session "MySession" already exists in the tree. Verify that an error dialog box will appear with information that session "MySession" already exists in the tree. Verify that the confirmation dialog is created and the session is added to the tree. Verify that the session is added to the tree. Verify that the session is added to the tree. | RCPTT | Pass |
| 4.7 | Session Context Sensitive menu (session inactive) | Select newly created session and click right mouse button | Verify context sensitive menu items: Refresh (enabled), Destroy Session... (disabled), Inspec... (disabled), Transfer Chapter (disabled), Enable Channel... (disabled), Enable Event (default channel...) (disabled) | RCPTT | Pass |
| 4.8 | View button enable state (session inactive) | Select newly created session (enable an event before) | Verify enable state of view buttons: New Connection... (enabled), Connect (disabled), Disconnect (disabled), Refresh (enabled), Details (disabled), Proxy (disabled), Destroy Session... (disabled), Transfer Chapter (disabled), Inspec... (disabled) | RCPTT | Pass |
| 4.9 | Start Session | 1) Enable an event (e.g. Transfer Chapter) 2) Select session and click on button "Start" 3) Press test with context sensitive menu item "Start" | Verify that session icon changes to ACCTIVE icon. Verify that property view shows ACCTIVE for the session state. | SWT04 | Pass |
| 4.10 | Session Context Sensitive menu (session active) | Select started session and click right mouse button | Verify context sensitive menu items: Refresh (enabled), Destroy Session... (disabled), Inspec... (disabled), Transfer Chapter (disabled), Enable Channel... (disabled), Enable Event (default channel...) (disabled) | RCPTT | Pass |
| 4.11 | View button enable state (session active) | Select started session | Verify enable state of view buttons: New Connection... (enabled), Connect (disabled), Disconnect (disabled), Refresh (enabled), Details (disabled), Proxy (disabled), Destroy Session... (disabled), Transfer Chapter (disabled), Inspec... (disabled) | RCPTT | Pass |
| 4.12 | Destroy Session | 1) Click right mouse button 2) Select Destroy Session... in the context sensitive menu 3) Select "OK" in the confirmation dialog box | Verify that session is removed from the control view | SWT04 | Pass |
| Kernel Channel Handling | | | | | |
| 5.1 | Preparation | 1) Connect to remote host 2) Create new Session "MyOtherSession" | | | |
| 5.2 | Enable Channel on session level (default values) | 1) Select session and right mouse click 2) Click right mouse button 3) Select "Enable Channel" 4) Select "OK" 5) Click on "OK" | Verify that domain "kernel" is created under session and channel is added under the domain. Verify that default values for the channel are displayed in the Properties view after selecting the channel in the tree. | RCPTT | Pass |
| 5.3 | Enable Channel on domain level (changed values) | 1) Select domain "kernel" and right mouse click 2) Click right mouse button 3) Select "Enable Channel" 4) Change values 5) Click on "OK" | Verify that channel is added under the domain. Verify that default values for the channel are displayed in the Properties view after selecting the channel in the tree. | RCPTT | Pass |
| 5.4 | Enable Channel - channel already exists | 1) Select domain "kernel" and right mouse click 2) Click right mouse button 3) Select "Enable Channel" 4) Change values (e.g. MyOtherChannel) and keep default values 5) Click on "OK" | Verify that error dialog box is opened notifying that channel already exists. Verify context sensitive menu items: Refresh (enabled), Destroy Session... (disabled), Inspec... (disabled), Transfer Chapter (disabled), Enable Channel... (disabled), Enable Event (default channel...) (disabled) | RCPTT | Pass |
| 5.5 | Domain Context Sensitive menu | Select domain "kernel" and click right mouse button | Add Context... (enabled) | RCPTT | Pass |

| Section | Objective | Pass | Fail | Automated | To Do | Comments |
|--|---|--|--|-----------|-------|----------|
| <p>Target: Unspecified</p> <p>UTM 2.0 - Control View</p> | | | | | | |
| Step | Test Case | Action | Verifications | Type | Pass | Comment |
| 5.6 | Channel Context Sensitive menu | Select channel 'MyChannel' and click right mouse button | Verify channel sensitive menu items: - Enable Channel (disabled) - Trouble Channel (disabled) - Enable Event (default channel) - disabled | RCPTT | Pass | |
| 5.7 | Disable Channel | 1) Select channel 'MyChannel' and click right mouse button 2) Select 'Disable' menu item | Verify that channel is disabled. With DISABLED shown in Properties view, menu item 'Disable' is disabled and menu item 'Trouble' is enabled. Verify that channel is enabled. | RCPTT | Pass | |
| 5.8 | Enable Channel | 1) Select channel 'MyChannel' and click right mouse button 2) Select 'Enable' menu item | Verify that channel is enabled. With ENABLED shown in Properties view, menu item 'Disable' is enabled and menu item 'Trouble' is disabled. | RCPTT | Pass | |
| 6 | USET Channel Handling | 1) Select session and right mouse click 2) Select menu item 'Trouble Channel' > 3) Enter Channel name 'MyChannel' 4) Select USET 5) Click on 'Button Default' 6) Click on 'OK' | Verify that domain 'USET global' is created under the selected channel and that all exception events are added under the channel. Verify that default values for the channel are displayed in the Properties view after switching the channel in the tree. See 5.7.5.6 | SWTBS | Pass | |
| 6.1 | Enable Channel on session level (Default values) | 1) Select session and right mouse click 2) Select menu item 'Trouble Channel' > 3) Enter Channel name 'MyChannel' 4) Select USET 5) Click on 'Button Default' 6) Click on 'OK' | Verify that default channel (Channel0) is now under session 'Kernel' and that all exception events are added under the channel with state ENABLED. Verify properties view shows correct values when selecting a event in the tree (Event Type=Probe, State=ENABLED, Channel=Channel0). | SWTBS | Pass | |
| 6.2 | Enable/Disable Channel | 1) Select session and click right mouse button 2) Select menu item 'Trouble Events (default channel)' > 3) Select 'Enable' 4) Select Radio button for 'Transport Events' 5) Select top level tree node 'X' 6) Click on 'OK' | Verify that event with name 'MyChannel' is added under the selected channel with state ENABLED. Verify properties view shows correct values when selecting a event in the tree (Event Type=Probe, State=ENABLED, Channel=Channel0). | SWTBS | Pass | |
| 7.1 | Enable Event on session level (all trapspoints) | 1) Select session and click right mouse button 2) Select menu item 'Trouble Events (default channel)' > 3) Select 'Enable' 4) Select Radio button for 'Transport Events' 5) Select top level tree node 'X' 6) Click on 'OK' | Verify that event with name 'MyChannel' is added under the selected channel with state ENABLED. Verify properties view shows correct values when selecting a event in the tree (Event Type=Probe, State=ENABLED, Channel=Channel0). | SWTBS | Pass | |
| 7.2 | Enable Event on domain level (all traps) | 1) Select domain 'Kernel' and click right mouse button 2) Select menu item 'Trouble Events (default channel)' > 3) Select 'Enable' 4) Select Radio button for 'All Dynamic' 5) Click on 'OK' | Verify that event with name 'MyChannel' is added under the selected channel with state ENABLED. Verify properties view shows correct values when selecting a event in the tree (Event Type=Probe, State=ENABLED, Channel=Channel0). | SWTBS | Pass | |
| 7.3 | Enable Event on Channel level (Dynamic Probe) | 1) Select a channel (e.g. channel0) and click right mouse button 2) Select menu item 'Trouble Events (default channel)' > 3) Select Radio button for 'Dynamic Probe' 4) Enter Event Name 'MyChannel' and Probe (e.g. 'Out010300') use the 'SystemSystem message' event, and verify below 'Y' or 'N' in type, 'Case' backslash, 'Op' (for examples) 5) Click on 'OK' | Verify that event with name 'MyChannel' is added under the selected channel with state ENABLED. Verify properties view shows correct values when selecting a event in the tree (Event Type=Probe, State=ENABLED, Channel=Channel0). | RCPTT | Pass | |
| 7.4 | Enable Event on Channel level (Dynamic Function Probe) | 1) Select a channel (e.g. channel0) and click right mouse button 2) Select menu item 'Trouble Events (default channel)' > 3) Select Radio button for 'Dynamic Function Probe' 4) Enter Event Name 'MyChannel' and Probe (e.g. 'write_000', see the 'SystemSystem' or 'HostSystem message' events) 5) Click on 'OK' | Verify that event with name 'MyChannel' is added under the selected channel with state ENABLED. Verify properties view shows correct values when selecting a event in the tree (Event Type=Probe, State=ENABLED, Channel=Channel0). | RCPTT | Pass | |
| 7.5 | Disable Event | 1) Select multiple events (exception events) under a channel (not session) and click right mouse button 2) Select 'Disable' menu item | Verify that all selected events are disabled. Disabled event icon is shown in Properties view. Menu item 'Disable' is disabled and menu item 'Enable' is enabled. Disabled event icon is shown, menu item 'Disable' is disabled and menu item 'Enable' is enabled. | RCPTT | Pass | |
| 7.6 | Enable Event (exception events) | 1) Select multiple disabled events and click right mouse button 2) Select 'Enable' menu item | Verify that all selected events are enabled. Enabled event icon is shown, menu item 'Disable' is disabled and menu item 'Enable' is enabled. | RCPTT | Pass | |
| 7.7 | Enable Event (probe events) | 1) Select a probe event (function or dynamic probe) disabled events and click right mouse button 2) Select 'Enable' menu item | Verify that all selected events are enabled. Enabled event icon is shown, menu item 'Disable' is disabled and menu item 'Enable' is enabled. | RCPTT | Pass | |
| 7.8 | Enable Transport Event using filter in tree (Bug 40503) | 1) Create Session | Verify that selected channel (channel0) is created under domain 'USET global' and that a selected event '...' is added under the channel with state ENABLED. Verify properties view shows correct values when selecting a event in the tree (Event Type=Probe, State=ENABLED, Channel=Channel0). | RCPTT | Pass | |
| 8.1 | Enable Event on session level (all trapspoints) | 1) Select session and click right mouse button 2) Select menu item 'Trouble Events (default channel)' > 3) Select USET 4) Select Radio button for 'Transport Events' 5) Select top level tree node 'X' 6) Click on 'OK' | Verify that event with selected name (e.g. 'X') is added under the selected channel (Channel0) with state ENABLED. Verify properties view shows correct values when selecting a event in the tree (Event Type=Probe, State=ENABLED, Channel=Channel0). | RCPTT | Pass | |
| 8.2 | Enable Event on domain level (all traps) | 1) Select domain 'USET global' and click right mouse button 2) Select menu item 'Trouble Events (default channel)' > 3) Select 'Enable' 4) Enter a channel (e.g. 'u1') 5) Click on 'OK' | Verify that event with name 'MyChannel' is added under the selected channel with state ENABLED. Verify properties view shows correct values when selecting a event in the tree (Event Type=Probe, State=ENABLED, Channel=Channel0). | RCPTT | Pass | |
| 8.3 | Enable Event on Channel level (log level) | 1) Select a channel (name if necessary) and click right mouse button 2) Select menu item 'Trouble Events (default channel)' > 3) Select Radio button for 'Log Level' 4) Enter Event Name 'MyChannel' 5) Select top level TRACE_0101 6) Select radio button for 'LogLevel' 7) Click on 'OK' | Verify that event with name 'MyChannel' is added under the selected channel with state ENABLED. Verify properties view shows correct values when selecting a event in the tree (Event Type=Probe, State=ENABLED, Log Level=TRACE_0101, Event Name=MyChannel). | SWTBS | Pass | |
| 8.4 | Enable Event on Channel level (log level only) | 1) Select a channel (name if necessary) and click right mouse button 2) Select menu item 'Trouble Events (default channel)' > 3) Select Radio button for 'Log Level' 4) Enter Event Name 'MyChannel' 5) Select top level TRACE_0101 6) Select radio button for 'LogLevel' 7) Click on 'OK' | Verify that event with name 'MyChannel' is added under the selected channel with state ENABLED. Verify properties view shows correct values when selecting a event in the tree (Event Type=Probe, State=ENABLED, Log Level=TRACE_0101, Event Name=MyChannel). | RCPTT | Pass | |
| 8.5 | Enable/Disable Event (exception events) | 1) Select session, right mouse click and select 'Trouble Events (default channel)' > 2) Select menu item 'Transport Events' 3) Select top level tree node 'X' 4) Click on 'OK' | Verify that only the selected trace point, menu item 'Disable' is disabled and not all USET trace points. | RCPTT | Pass | |
| 8.6 | Enable/Disable Event (exception events) | 1) Select session, right mouse click and select 'Trouble Events (default channel)' > 2) Select menu item 'Transport Events' 3) Select top level tree node 'X' 4) Click on 'OK' | Verify that only the selected trace point, menu item 'Disable' is disabled and not all USET trace points. | RCPTT | Pass | |
| 8.7 | Enable Transport Event using filter in tree (Bug 40503) | 1) Create Session 2) Select session, right mouse click and select 'Trouble Events (default channel)' > 3) Select menu item 'Transport Events' 4) Click on 'OK' | Verify that the selected trace point, menu item 'Disable' is disabled and not all USET trace points. | RCPTT | Pass | |
| 8.8 | Enable Event by name | 1) Select Transport 2) Enter list of names (comma-separated) in text box 3) Click on 'OK' | Verify that events entered in the console are added for us added to the tree. | SWTBS | Pass | |
| 9 | Contents Handling | 1) Select kernel channel and click right mouse button 2) Select menu item 'Add Contents' > 3) Expand tree and select some contents (e.g. proc, programs, pid) 4) Click on 'OK' | Verify that contents is successful (no error). NOTE: There is no way to retrieve actual contents from the tree. Therefore GUI cannot display this information. | RCPTT | Pass | |
| 9.1 | Add Content (to channel) | 1) Select USET channel and click right mouse button 2) Select menu item 'Add Contents' > 3) Expand tree and select contents (programs, pfnmeat_xl, vpid and vhd) 4) Click on 'OK' | Verify that contents is successful (no error). NOTE: There is no way to retrieve actual contents from the tree. Therefore GUI cannot display this information. | RCPTT | Pass | |
| 9.2 | Add Content (to channel) | 1) Select USET channel and click right mouse button 2) Select menu item 'Add Contents' > 3) Expand tree and select contents (programs, pfnmeat_xl, vpid and vhd) 4) Click on 'OK' | Verify that contents is successful (no error). NOTE: There is no way to retrieve actual contents from the tree. Therefore GUI cannot display this information. | RCPTT | Pass | |
| 10 | Enable Events (from Provider) | 1) Create a new session 2) Select session 'Kernel' Transport events under Provider -> Kernel 3) Click right mouse button 4) Select menu item 'Trouble Event' > 5) Select 'Enable' 6) Select 'OK' (if USET application is running on service tool (see step 9)) 7) Create a new session 8) Create a channel under domain 'USET global' 9) Select channel 'USET Transport events under Provider -> USET Process' 10) Click right mouse button 11) Select menu item 'Trouble Event' > 12) Select 'Enable' 13) Select newly created session 14) Select newly created channel 15) Select 'OK' | Verify that domain 'Kernel' is created under the new session, level that default channel 'Channel0' is created under the domain. Verify that specified events are added under the channel and are ENABLED. | RCPTT | Pass | |
| 10.1 | Enable Kernel Events | 1) Create a new session 2) Select session 'Kernel' Transport events under Provider -> Kernel 3) Click right mouse button 4) Select menu item 'Trouble Event' > 5) Select 'Enable' 6) Select 'OK' (if USET application is running on service tool (see step 9)) 7) Create a new session 8) Create a channel under domain 'USET global' 9) Select channel 'USET Transport events under Provider -> USET Process' 10) Click right mouse button 11) Select menu item 'Trouble Event' > 12) Select 'Enable' 13) Select newly created session 14) Select newly created channel 15) Select 'OK' | Verify that domain 'Kernel' is created under the new session, level that default channel 'Channel0' is created under the domain. Verify that specified events are added under the channel and are ENABLED. | RCPTT | Pass | |
| 10.2 | Enable USET Events | 1) Create a new session 2) Select session 'USET Process' Transport events under Provider -> USET Process 3) Click right mouse button 4) Select menu item 'Trouble Event' > 5) Select 'Enable' 6) Select 'OK' (if USET application is running on service tool (see step 9)) 7) Create a new session 8) Create a channel under domain 'USET global' 9) Select channel 'USET Transport events under Provider -> USET Process' 10) Click right mouse button 11) Select menu item 'Trouble Event' > 12) Select 'Enable' 13) Select newly created session 14) Select newly created channel 15) Select 'OK' | Verify that domain 'USET Process' is created under the new session, level that default channel 'Channel0' is created under the domain. Verify that specified events are added under the channel and are ENABLED. | RCPTT | Pass | |
| 11 | Reporting in Project | 1) Create new session 2) Enable all Kernel Transport events 3) Enable all USET events 4) Start Tracing 5) Stop Tracing, after a few seconds 6) Create new Tracing Project | | RCPTT | Pass | |
| 11.1 | Preparation | 1) Create new session 2) Enable all Kernel Transport events 3) Enable all USET events 4) Start Tracing 5) Stop Tracing, after a few seconds 6) Create new Tracing Project | | RCPTT | Pass | |

| Lesson | Section | Pass | Fail | Automated | To Do | Comments |
|---|--|--|--|-----------|---------|---|
| LTng 2.0 - Control View | | | | | | |
| Target: | Unperfected | | | 100% | 10 | Click on document the last one we don't have when session of thing is kept from 2.0.2.1 |
| Step | Test Case | Action | Verification | Type | Comment | |
| 15.12 | Check trace with log protocol and port | 1) Start relay on Eclipse local machine (default settings: http-relay) 2) Start relay on Eclipse local machine (default settings: http-relay) | Verify that the session was created Verify that session is created | SWT/TC | Pass | Information disabled for 2.0 |
| 15.13 | Low Streaming Session (LST) - Initial implementation | 1) Start relay on Eclipse local machine (default settings: http-relay) | Verify that session is created | SWT/TC | Pass | Information disabled for 2.0 |
| 15.14 | Low Streaming Session (LST) - Initial implementation | 1) Start relay on Eclipse local machine (default settings: http-relay) | Verify that session is created | SWT/TC | Pass | Information disabled for 2.0 |
| 16. Preferences | | | | | | |
| 16.1 | Open Preferences Dialog | Open Preferences (Menu -> Preferences -> Tracing -> LTng Tracer Control Preferences) | Verify that tracer control preferences dialog is open (Tracing Group) | RCPTT | Pass | |
| 16.2 | Enable Logging | In Tracer Control Preferences, check checkbox Logging | Verify that logging is enabled | RCPTT | Pass | |
| 16.3 | Disable Logging | In Tracer Control Preferences, uncheck checkbox Logging | Verify that logging is disabled | RCPTT | Pass | |
| 16.4 | Test Logging level one | Execute 16.2 and execute some commands (e.g. create session, enable event) | Make sure that log file is created and contains the expected commands and events | RCPTT | Pass | |
| 16.5 | Test Verbose Logging (Level 1) | 1) Execute 16.2 2) Select verbose level Level 1 3) Execute some commands (e.g. create session, enable event) | Make sure that log file contains the expected commands with verbose logging | RCPTT | Pass | This makes no difference for bit marking with Lng 2.0 |
| 16.6 | Test Verbose Logging (Level 2) | 1) Execute 16.2 2) Select verbose level Level 2 3) Execute some commands (e.g. create session, enable event) | Make sure that log file contains the expected commands with verbose logging | RCPTT | Pass | This makes no difference for bit marking with Lng 2.0 |
| 16.7 | Test Verbose Logging (Level 3) | 1) Execute 16.2 2) Select verbose level Level 3 3) Execute some commands (e.g. create session, enable event) | Make sure that log file contains the expected commands with verbose logging | RCPTT | Pass | This makes no difference for bit marking with Lng 2.0 |
| 16.8 | Append Mode | Check checkbox Append, select Eclipse and open Tracer Control Preferences | Verify that trace control preferences are persisted and log file is opened in append mode (LST & not) | RCPTT | Pass | |
| 16.9 | Change Tracing Group | Change Tracing Group (e.g. httpmg) and execute a command (with logging enabled) | Verify that log comment is associated with correct tracing group | RCPTT | Pass | |
| 16.10 | Change execution timeout | Go to Remote Connection Preferences, Change Timeout | Verify that execution timeout is changed | RCPTT | Pass | |
| 16.11 | Reset | Reset to default | Verify that execution timeout is reset | RCPTT | Pass | |
| 17. Create Channel with advanced features (LTng 2.2 features) | | | | | | |
| For the tests below a Eclipse machine with LTng 2.2 installed with thing (with LST 2.0) is required. Either create a VM machine yourself (e.g. on VirtualBox) or install it locally on your machine. If you have an existing LST channel, you should disable it by deleting the channel file and the log file and have new LST process running (e.g. from thingtools git repository under buildtools/). | | | | | | |
| 17.1 | Preparations | 1) Create and select session and click right mouse button 2) Select menu item "Create Channel..." 3) Select menu item "Traverse Channel..." 4) Uncheck all test boxes 5) Click on "OK" | Verify after 1) that "Channel Name" is set to "channel" and the corresponding menu is disabled. Verify after 2) that the channel name is visible in the channel domain. Also verify in the properties view that all parameters are set correctly and that the channel is disabled. | RCPTT | Pass | |
| 17.2 | Configure Metadata channel (normal) | 1) Click on "OK" | Verify after 1) that "Channel Name" is set to "channel" and the corresponding menu is disabled. Verify after 2) that the channel name is visible in the channel domain. Also verify in the properties view that all parameters are set correctly and that the channel is disabled. | RCPTT | Pass | |
| 17.3 | Configure Metadata channel (LST) | 1) Check LST 2.0 with a LST channel 2) Create and select session and click right mouse button 3) Select menu item "Create Channel..." 4) Check LST checkbox 5) Fill in "Channel Name" with "LST Channel" 6) Click on "OK" | Verify after 1) that "Channel Name" is set to "LST Channel" and the corresponding menu is disabled. Verify after 2) that the channel name is visible in the channel domain. Also verify in the properties view that all parameters are set correctly and that the channel is disabled. | RCPTT | Pass | |
| 17.4 | Configure File rotation (normal) | 1) Start, wait and stop tracing 2) Create and select session and click right mouse button 3) Select menu item "Create Channel..." 4) Check LST checkbox 5) Fill in "Channel Name" with "LST Channel" 6) Check LST checkbox 7) Check "File rotation" checkbox 8) Click on "OK" | Verify after 1) that the trace file is created and its size is not bigger than 1048576 bytes | RCPTT | Pass | |
| 17.5 | Configure File rotation (LST) | 1) Start, wait and stop tracing 2) Create and select session and click right mouse button 3) Select menu item "Create Channel..." 4) Check LST checkbox 5) Fill in "Channel Name" with "LST Channel" 6) Check LST checkbox 7) Check "File rotation" checkbox 8) Check "Maximum size of trace file" checkbox 9) Check "Maximum number of trace files" checkbox 10) Click on "OK" | Verify after 1) that the trace file is created and its size is not bigger than 255144 bytes | RCPTT | Pass | |
| 17.6 | Buffer Type - toggle LST buffer | 1) Create and select session and click right mouse button 2) Select menu item "Traverse Channel..." 3) Select menu item "Toggle LST Buffer" 4) Select "normal" 5) Select "LST" | Verify after 1) and 2) that the radio buttons for the buffer type is disabled and the buffer type "Toggle shared buffer" is selected. Verify after 3) that the radio buttons are enabled and the buffer type is selected. | RCPTT | Pass | |
| 17.7 | Default LST Buffer Type | 1) Create and select session and click right mouse button 2) Select menu item "Traverse Channel..." 3) Select "LST" | Verify after 1) that the default buffer type is configured for that channel (see properties view). Note: LTng 2.0 has 2.2 the default is per PID and per LST. | RCPTT | Pass | |
| 17.8 | per PID LST Buffer Type | 1) Create and select session and click right mouse button 2) Select menu item "Traverse Channel..." 3) Select "LST" 4) Select "per PID" 5) Start, wait and stop tracing 6) Repeat all test events 7) Start, wait and stop tracing 8) Repeat all test events 9) Start, wait and stop tracing 10) Repeat trace | Verify after 1) that the per PID buffer type is configured for that channel (see properties view). Note: LTng 2.0 has 2.2 the default is per PID and per LST. | RCPTT | Pass | |
| 17.9 | per LST Buffer Type | 1) Create and select session and click right mouse button 2) Select menu item "Traverse Channel..." 3) Select "LST" 4) Select "per LST" 5) Start, wait and stop tracing 6) Repeat all test events 7) Start, wait and stop tracing 8) Repeat all test events 9) Start, wait and stop tracing 10) Repeat trace | Verify after 1) that the per LST buffer type is configured for that channel (see properties view). Note: LTng 2.0 has 2.2 the default is per PID and per LST. | RCPTT | Pass | |
| 18. Snapshot Channel (LTng 2.3 features) | | | | | | |
| Preparation | | | | | | |
| Verify that new session is added under the channel (this needs to be done in the Control View by clicking the session in the Control View) | | | | | | |
| 18.1 | Create Snapshot Session | 1) Click right mouse button on "Sessions" 2) Select "Create Session..." 3) Select menu item "Snapshot" 4) Select "OK" | Verify that the button and menu item "Create Snapshot" is enabled | RCPTT | Pass | |
| 18.2 | Enable Remote Events | 1) Check checkbox "Remote Events" 2) Start, wait and stop tracing | Verify that "Remote Events" checkbox is checked | RCPTT | Pass | |
| 18.3 | Start Session | 1) Select session and click on button "Start" 2) Start, wait and stop tracing | Verify that the session is started | RCPTT | Pass | |
| 18.4 | Record snapshot | 1) Select session and click on button "Snapshot" 2) Start, wait and stop tracing | Verify that the snapshot is created | RCPTT | Pass | |
| 18.5 | Create another snapshot session | 1) Select session and click on button "Snapshot" 2) Start, wait and stop tracing | Verify that the snapshot is created | RCPTT | Pass | |
| 18.6 | Create LST Events | 1) Select session and click on button "Snapshot" 2) Start, wait and stop tracing | Verify that the snapshot is created | RCPTT | Pass | |
| 18.7 | Start LST session | 1) Select session and click on button "Snapshot" 2) Start, wait and stop tracing | Verify that the snapshot is created | RCPTT | Pass | |
| 18.8 | Record snapshot over multiple sessions | 1) Select session and click on button "Snapshot" 2) Start, wait and stop tracing | Verify that the snapshot is created | RCPTT | Pass | |
| 18.9 | Import traces | 1) Open Import dialog (see 11.2) | Verify that the import dialog is open | RCPTT | Pass | |
| 18.10 | Stop and destroy sessions | 1) Stop and destroy both sessions 2) Open Import dialog (see 11.2) | Verify that the sessions are destroyed | RCPTT | Pass | |
| 18.11 | Destroy snapshot session | 1) Select session and click on button "Snapshot" 2) Start, wait and stop tracing | Verify that the snapshot is destroyed | RCPTT | Pass | |
| 18.12 | Record snapshot over session in trace | 1) Select session and click on button "Snapshot" 2) Start, wait and stop tracing | Verify that the snapshot is created | RCPTT | Pass | |
| 19. Command Script | | | | | | |
| 19.1 | Execute command script | 1) Create a command script to create a session with channel and LST events enabled | Make sure that each command of script is executed and script execution is successful | Manual | Pass | |
| 20. Session Profiles | | | | | | |

| Location | Version | Pass | Fail | Automated | To Do | Comments |
|---|--|--|--|-----------|-------|----------|
| LTing 2.0 - Control View | | | | | | |
| Target: | Unspecified | | | | | |
| *Please see discussion the test case we don't have which version of thing is supported here: 100 (2.0.2) | | | | | | |
| Step | Test Case | Action | Verification | Type | Pass | Comment |
| 20.1 | Save session | 1) Click on "Saving session" 2) Select session and click right mouse button | Verify that the session is saved under ~/ltg/autosave/ | SWTBot | Pass | |
| 20.2 | Save session (2) | 1) Press Ctrl + Save (same session name) 1) (Save-20.1) | Make sure that the session is saved under ~/ltg/autosave/ | Manual | Pass | |
| 20.3 | Save session (no files) | 1) Select "Save Session" | The save command will be rejected by LTing Tools | RCPTT | Pass | |
| 20.4 | Load Session (load) | 1) Select group "Sessions" and click right mouse button 2) Select Menu item "Load..." | Make sure that the session is created | SWTBot | Pass | |
| 20.5 | Load Session (rename) | 1) Select group "Sessions" and click right mouse button 2) Select Menu item "Load..." | 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..." | Make sure that the LTing Frame Profile preference page opens | RCPTT | Pass | |
| 20.7 | Open preference (2) | Open Preferences (Menu -> Preferences -> Tracing -> LTing Frame Profile) | Make sure that the LTing Frame Profile preference page opens | RCPTT | Pass | |
| 20.8 | Export profile | 1) Open Preference page (see 20.7) 2) Select "Export Profile" | Make sure profile is exported to the destination directory | Manual | Pass | |
| 20.9 | Export profile (web) | 1) Open Preference page (see 20.7) 2) Click on "Export..." | 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..." | Make sure profile is requested and available in workspace | Manual | Pass | |
| 20.11 | Import profile (web) | 1) Open Preference page (see 20.7) 2) Click on "Import..." | 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 | Make sure profiles are deleted from the workspace and disk | RCPTT | Pass | |
| 21 Kernel Event Filtering (LTing 2.0) | | | | | | |
| For the tests below a Ubuntu machine with LTing 2.1 installed (with thing tools 2.0) is required. Other means a VM Machine provided (e.g. on VirtualBox) or install it locally on your native Ubuntu (if correct version). Make sure that the root session domain is running (check thing tool 4) and have one UST process running (e.g. from thing-tools git repository under tests/ust/). 1) Connect to remote host 2) Create new Session "FilterSession" | | | | | | |
| 21.1 | Prerequisites | 1) Connect to remote host 2) Create new Session "FilterSession" | Verify that default channel (channel0) is create under stream "Kernel" and Verify that selected event is added under the selected channel. | SWTBot | Pass | |
| 21.2 | Preparation | 1) Select menu item "Enable Events (default channel)..." 2) Click on "Enable..." | Verify that selected event is added under the selected channel. | SWTBot | Pass | |
| 21.4 | Enable Kernel Event from provider | 1) Select menu item "Enable Events (default channel)..." 2) Click on "Enable..." | Verify that selected event is added under the selected channel. | SWTBot | Pass | |
| 21.5 | Create trace | 1) Start Tracing 2) Stop Tracing after a few seconds | Make sure that only events are shown in the events table that meet the | Manual | Pass | |
| 22 LTing UST Exclude events (LTing 2.0) | | | | | | |
| For the tests below a Ubuntu machine with thing tools 2.0 is required. Other means a VM Machine provided (e.g. on VirtualBox) or install it locally on your native Ubuntu (if correct version). Make sure that the root session domain is running (check thing tool 4) and have one UST process running (e.g. from thing-tools git repository under tests/ust/). 1) Connect to remote host 2) Create new Session "FilterSession" | | | | | | |
| 22.1 | Prerequisites | 1) Connect to remote host 2) Create new Session "FilterSession" | Verify that event is added under the UST Domain and relevant channel. | SWTBot | Pass | |
| 22.2 | Preparation | 1) Open Enable Event Dialog, select UST 2) Use wildcard | | SWTBot | Pass | |
| 22.3 | Enable events with exclude | 1) Open Enable Event Dialog, select UST 2) Use wildcard | | SWTBot | Pass | |
| 23 LTing UST per syscall (LTing 2.0) | | | | | | |
| For the tests below a Ubuntu machine with thing tools 2.0 is required. Other means a VM Machine provided (e.g. on VirtualBox) or install it locally on your native Ubuntu (if correct version). Make sure that the root session domain is running (check thing tool 4) and have one UST process running (e.g. from thing-tools git repository under tests/ust/). 1) Connect to remote host 2) Create new Session "NoSession" | | | | | | |
| 23.1 | Prerequisites | 1) Connect to remote host 2) Create new Session "NoSession" | Verify that the selected events are added under the Kernel Domain and relevant channel. | SWTBot | Pass | |
| 23.2 | Preparation | 1) Open Enable Event Dialog, select Kernel 2) Select syscall 3) In the tree, select selected syscall 4) Select OK | Verify that the selected events are added under the Kernel Domain | SWTBot | Pass | |
| 23.3 | Enable selected syscall during session | 1) Open Enable Event Dialog, select Kernel 2) Select syscall | Verify that the selected events are added under the Kernel Domain | SWTBot | Pass | |
| 23.4 | Enable all syscall | 1) Open Enable Event Dialog, select Kernel 2) Select Syscalls | Verify that the selected events are added under the Kernel Domain | SWTBot | Pass | |
| 24 JAIL, Log4j, Python Logger | | | | | | |
| Configure JAIL tracing session using line and event name | | | | | | |
| 24.1 | Configure JAIL tracing session (LTing 2.0) | Configure JAIL tracing session using line and event name | Verify that session is configured correctly | SWTBot | Pass | |
| 24.2 | Configure Log4j tracing session (LTing 2.0) | Configure Log4j tracing session using line and event name | Verify that session is configured correctly | SWTBot | Pass | |
| 24.3 | Configure Python tracing session (LTing 2.7) | Configure Python tracing session using line and event name | Verify that session is configured correctly | SWTBot | Pass | |

| Section | Pass | Fail | Automated | To Do | Comments |
|-------------------------------|--|---|--|----------|--|
| Flame Graph View | 19 | 0 | 11 | 0 | 0 |
| Target: Ubuntu 20.04.5 64-bit | | | | | |
| Step | Test Case | Action | Verification | Type | Comment |
| 0 | Download the test resources | 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 more Flame Graph traces. (You can use both traces) | Verify that view is populated with all callers/callees information (separated by trace). | Manual | Pass |
| | | | | | Automation Candidate Kyrollos: when mapping symbols for a trace in an experiment both traces in the experiment got mapped |

| | | | | | | |
|-------------------------------|----------------------|--|---|--------|------|---|
| 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 Kyrollos: I don't know how to evaluate this since I don't have the process id neither the thread name in the tooltip but it seems not working |
| 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 'flame chart' View 2. In the 'Flame Graph' view, right-click on a random entry in the graph 3. Select 'go to maximum' | - The 'flame chart' view is populated - The flame chart 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 'flame chart' View 2. In the 'Flame Graph' view, right-click on a random entry in the graph 3. Select 'go to minimum' | - The 'flame chart' view is populated - The flame chart 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 | | |
| 5.2 | 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 | Automated | To Do | Comments |
|---|------------------------------|---|--|--------|------------------------------|
| GDB Tracing | 17 | 0 | 15 | 8 | 4 |
| Target: Windows | | | | | |
| Step | Test Case | Action | Verification | Type | Comment |
| | | Get the trace file here https://drive.google.com/file/d/1rnfAgFgraGygQpyOVcH0-36IMSoM3Q7S/view?usp=share_link and extract it. The trace is "trace.dat" the executable is "trace-xyyx" | | | |
| 1 Preparation | | | | | |
| 1.1 | Step 1 | Open and reset the GDB Trace perspective | GDB Trace perspective opens with correct views | Manual | To Do |
| 1.2 | Step 2 | Open Navigator View (used for independent verification) | Navigator View opens | Manual | To Do |
| 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) | 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 | Manual | To Do |
| 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" | Trace is configured (4.3 is successful, when 4.2 was successful) | Manual | Pass |
| 4.3 | Open configured trace | 3) Fill in the proper values in dialog and finish Double-click on a configured trace | Trace is opened, events table and views are | Manual | To Do |
| 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 | To Do |
| 5.2 | Select another event | redo 5.1 | The corresponding source code location is selected in the source code file. | Manual | To Do |
| 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 | SWTBot | Pass Tested in base class |
| 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 | SWTBot | Pass Tested in base class |
| 6.3 | PgUp/PgDn | Update the current event using PgUp/PgDn keys | Table is scrolled accordingly | SWTBot | Pass Tested in base class |
| 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 | SWTBot | Pass Tested in base class |
| 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 | 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 | Manual | To Do |
| 8.2 | Synch from Trace Control | Go up/down from the Trace Control View | Events View is updated accordingly | Manual | To Do |

| Section | Pass | Fail | Automated | To Do | Comments |
|---|--|--|--|----------|--|
| Tracing RCP | 33 | 1 | 0 | 0 | 3 |
| Target: Fedora 42 64 bit (Wayland) | Tested using kernel_vm in traces.zip | | | | |
| Step | Test Case | Action | Verification | Type | 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 |
| 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 |
| 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 in braces as 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 in braces a suffix added. | Manual | Pass @Anh Maybe an unhandled edge case: Import 1: /home/user/traces/import/kernel-overlap-testing -> name Import 2: /home/user/other-location/kernel-overlap-testing -> name(2) Import 3: /home/user/traces/kernel-overlap-testing -> no new trace created Import 4: /home/user/Downloads/kernel-overlap-testing -> name(3) |
| 1.8 | Start Tracing RCP with non-trace file | Open file that is not a trace | Trace is imported (linked) however default icon (from Eclipse) is set | 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 an integer number in braces as 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 an integer number in braces as suffix added. | Manual | Pass |
| 2.7 | Open file | Open file that is not a trace | Trace is imported (linked) however default icon (from Eclipse) is set | 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 -> 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 | Fail | Resetting the perspective adds "Run" and "Search" menus to the main menu. Bug 564009. Sehr: Bug remains Anh: Bug still there |
| 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 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 and kernel trace | LTTng Kernel perspective opens | Manual | Pass | |
| 5.3 | Network Tracing presence | Open Network Tracing perspective and PCAP trace | Network Tracing perspective opens | Manual | Pass | |
| 5.4 | OS Tracing Overview presence | Open OS Tracing Overview perspective and kernel trace | OS Tracing Overview perspective opens | Manual | Pass | |
| 5.5 | BTF presence | Open BTF trace | Trace type detected and event table has BTF columns | Manual | Pass | |
| 6 Upgrade | | | | | | |
| 6.1 | Upgrade from previous release | Use Help -> Check For Updates | RCP is upgraded. To test before the release at RC1 change update site in preference to stable update site: e.g. https://download.eclipse.org/tracecompass/2024-09/stable/rcp-repository | Manual | Pass | |
| 7 Add-ons | | | | | | |
| 7.1 | Install Incubator Software | Use Menu -> Tools -> Add-ons... to install incubator features (e.g. | Installation is successful and feature is available. A dialog is shown. | Manual | Pass | Eclipse prompts Restart after installation to load the new features |

| Section | Pass | Fail | Automated | To Do | Comments |
|-----------------------------|---|--|--|--------|----------|
| LTTng 2.0 - Memory Analysis | 23 | 0 | 8 | 0 | 0 |
| Target: Windows | | | | | |
| 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. | SWTBot | Pass |
| 1.3 | Check analysis cannot execute | open the trace that does not contain 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 |
| 2.6 | Re-open view | Double-click the UST Memory Usage view under the UST memory analysis in project explorer. | The view opens and is automatically populated. | Manual | Pass |
| 3 Mouse handling | | | | | |

Automation Candidate

Automation Candidate

| | | | | | | |
|--------------------------|--------------------------------------|--|--|--------|------|----------------------|
| 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 | 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 | 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 | 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 | 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 | Automated | To Do | Comments |
|--------------------------|---------------------------------------|---|---|-----------|-------|---|
| LTTng 2.0 - CPU Analysis | | 27 | 0 | 13 | 0 | 2 |
| Target: | Windows | | | | | |
| 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 | SWTBot | Pass | |
| 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 | SWTBot | 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 | SWTBot | Pass | |
| 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. | SWTBot | 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 | SWTBot | Pass | 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 | SWTBot | 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. | 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. | SWTBot | Pass | | |
| 4.6 | Mouse hover | Hover mouse in xy chart region anywhere | Tool tip shows the total and selected process (if any) cpu | Manual | Pass | | |
| 4.7 | Drag mouse selection | Drag select xy chart with left button | Selection highlighted and selection range is propagated to other views | SWTBot | 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 range is propagated to other views | Manual | Pass | | |
| 4.9 | Sort columns | Click on column headers of tree viewer once then twice | Entries are sorted in ascending then descending order on the column value. Selected process does not change. | Manual | Pass | | |
| 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 in table is changed. 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 | Anh: There's a case where the bar is not visible in the CPU Usage chart and selecting the time in the table doesn't update nor put the bar onto the chart |
| 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 | |
| 6.4 | CPU usage works with experiments | | | Manual | Pass | |

| Section | Pass | Fail | Automated | To Do | Comments |
|----------------------------|--|---|---|--------|----------|
| XML Analysis | 42 | 0 | 10 | 0 | 1 |
| Target: Windows | | | | | |
| Step | Test Case | Action | Verification | Type | Comment |
| 0 Prerequisites | | | | | |
| 0.1 | Import traces | Import LTTng kernel traces | | | |
| 0.2 | Get a test XML file | Download the test XML file from the incubator | | | |
| 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 files haven't been updated 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 an 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 show anymore under the 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 again under the 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 views | The views 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 | | Automation Candidate |
| 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. | SWTBot | Pass | | |
| 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. | SWTBot | Pass | | |
| 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 | Could not do this test because the trace isn't big | 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. | SWTBot | Pass | | |
| 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) | SWTBot | Pass | | |
| 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. NOTE: XML files define the trees in the view and kernel.linux makes it a tree of depth 1 | 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 State 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 | Automated | To Do | Comments | |
|------------------------------|---|---|---|----------|----------|-------------------------------------|
| Trace Synchronization | 16 | 0 | 0 | 0 | 0 | |
| Target: Windows | | | | | | |
| Step | Test Case | Action | Verification | Type | Comment | |
| 0 Prerequisites | | | | | | |
| 0.1 | Import traces | Import the scp_dest and scp_src traces in the synctraces.tar.gz file | | Manual | Pass | It's in the test traces now! |
| 0.2 | Create experiment 1 | Create an experiment containing those 2 traces | | Manual | Pass | |
| 0.3 | Create experiment 2 | Create an experiment with any other trace | | Manual | Pass | |
| 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 LTTng 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 | Automation Candidate |
| 1.7 | Open trace | Open an Lttng 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 Fonctionnalités | | | | | | |
| 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 |

Anh: After sync, event list disappears, sync view still there with data

Simon: not sure what should be the result of this operation
Bernd: I think it is to add a manual time offset on top of the synchronisation

| Section | Pass | Fail | Automated | To Do | Comments |
|-------------------------------|--|--|---|----------|---------------------------------|
| Network Trace Analysis | 12 | 0 | 3 | 0 | 1 |
| Target: | Windows | | | | |
| Step | Test Case | Action | Verification | Type | Comment |
| 0 | Prerequisites | | | | |
| 0.1 | Import traces | Import the trace linked here | | | which trace?? - TeamSpeak2.pcap |
| 1 | Trace Import | | | | |
| 1.1 | Open the Network Tracing perspective | In the project Explorer, expand any pcap 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 stream list view are populated. | SWTBot | Pass |
| 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 Automation Candidate |
| 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 | Open a non pcap trace | The stream list is emptied | Manual | Pass |
| 3 | Stream List | | | | |
| 3.1 | Re-open trace | Open "TeamSpeak2.pcap" trace and open Stream list view | Stream list view populated | Manual | Pass |
| 3.2 | 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 |
| 3.3 | 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 Pass |

| Section | | Pass | Fail | Automated | To Do | Comments |
|--------------------------|---------------------------------------|--|---|-----------|-------|----------|
| LTTng 2.0 - I/O Analysis | | 21 | 0 | 6 | 0 | 0 |
| Target: | Windows | | | | | |
| 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 | SWTBot | 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 | | |
| 2.4 | Open trace | With the view already opened, open the trace | The Disk I/O Activity view is populated. | Manual | Pass | | |
| 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 | | |
| 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 | | |
| 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 Keyboard handling | | | | | | | |

| 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 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 | | See bug in comment for acceptance criteria. | Manual | Pass |

Fixed Bug 558203
https://bugs.eclipse.org/bugs/show_bug.cgi?id=558203

| Section | Pass | Fail | Automated | To Do | Comments |
|--------------------------------------|---|---|---|-----------|---|
| LAMI | 0 | 0 | 0 | 37 | 16 |
| Target: Ubuntu 20.04.4 64 bit | This is deprecated, it will no longer be supported. | | | | |
| Step | Test Case | Action | Verification | Type | Comment |
| 0 Prerequisites | | | | | |
| 0.1 | Import traces | any trace since we use stub for the result | -from bug: | Manual | To Do |
| 0.2 | Download analysis stubs | https://bugs.eclipse.org/bugs/attachment.cgi?id=263946 | https://bugs.eclipse.org/bugs/show_bug.cgi?id=493941 | Manual | To Do |
| 1 Custom external analysis | | | | | |
| 1 | | Create the following analyses (\$name, \$command): analysisEmpty, analysisEmpty analysisMultipleRow, analysisMultipleRow analysisMultipleSimilarRow, analysisMultipleSimilarRow analysisOneRow, analysisOneRow multipleReports, multipleReports invalidAnalysis, invalidAnalysis errorResult, errorResult clone, analysisOneRow Right click on "External Analyses" node Click the "add" action Insert \$name Insert "fullpath/\$executable" which is the full path to the stub executable. ex: "/tmp/stub/stubAnalysis" where stubAnalysis is the stub executable. The path does NOT support ~ or relative path | All new external analysis are present under the "External Analysis" node in the Project explorer view. All new elements do NOT have the strikethrough text style applied EXCEPT for the tuple (invalidAnalysis, invalidAnalysis) | | |
| 1.1 | Add all stubs analysis | | | Manual | To Do |
| 1.2 | Actions available | Right click on a non-strikethrough custom analysis. | The run action can be clicked and is in enabled text mode. | Manual | To Do |
| | Actions unavailable | Right click on a strikethrough custom analysis. | The run action CANNOT be clicked and is in disabled text mode. | Manual | To Do |
| | | | | | https://bugs.eclipse.org/bugs/show_bug.cgi?id=498218 |
| 1.3 | Delete analysis | Right click on the tuple (clone, invalidAnalysis) Select the delete action for the node | The analysis does not appear in the list anymore. analysisEmpty should return a message to the user regarding the emptiness of the report. errorResult should return an error message to the user and display the result of the command. All other one have result and should result in a new table and new report node under the report node. | Manual | To Do |
| | | | | | https://bugs.eclipse.org/bugs/show_bug.cgi?id=543800 |
| 1.4 | Run analysis | Launch remaining analysis via righ-click and run action | | Manual | To Do |
| | | | | | launching an analysis on a closed trace doesn't do anything |
| 2 Reports | | | | | |
| 2.1 | Reports node | Expand the "Reports" node under the Project Explorer | The "Reports" node under the Project Explorer should contain 4 reports: analysisMultipleRow Report analysisMultipleSimilarRow Report analysisOneRow Report multipleReports An additional node should be present under the "Reports" node: analysisOneRow Report #2 | Manual | To Do |
| | | | | | "multipleReports" is displayed "multipleReports Report" in Report |
| 2.2 | Same name report | Execute the "analysisOneRow" analysis again. Right click on the duplicate "analysis OneRow" node and click on the | Note: This behaviour is subject to change in the following year but still an action will be taken on same name report creation. | Manual | To Do |
| 2.3 | Delete node | delete action | The report node is not present anymore | Manual | To Do |
| 2.4 | Open a report | Right click on any report and select the "open" action | A new panel should open with the result table of the analysis | Manual | To Do |
| 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 | To Do |
| 2.6 | Multiple report | Open the "multipleReports" report. | Validate that a user is able to navigate between sub tab of a report | Manual | To Do |
| 3 Result Table | | | | | |
| 3.1 | Prerequisites | Open the "analysisMultipleRowReport" | | Manual | To Do |
| 3.2 | Hide table | Click the "Toggle" button in the right corner of the result table | The result table is hidden | Manual | To Do |
| 3.3 | Show table | Click the "Toggle" button in the right corner of the result table | The result table is shown | Manual | To Do |
| 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 | To Do |
| 3.5 | Colum Resizing | Resize the column | Validate that the resize works | Manual | To Do |
| 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 | To Do |
| 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 | To Do |
| | | | | | Waker and Wakee process name sorting is confusing: "Xorg" is sorted lower than "compiz", which is sorted lower than "rcu_sched". Kyrollos: Not sure about the Wakee process name sorting |
| | | | | | Command key on macOS. |
| | | | | | Command key on macOS. |
| 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 | Manual | To Do | |
| 4.2 | Series dialog add | Select any x and any y click add | Series are added to the series list | Manual | To Do | |
| 4.3 | Series dialog remove | Remove all newly created series via the delete button | User should be able to delete series | Manual | To Do | |
| 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 | To Do | I selected Wakeee Process TID as X axis, but TID is not displayed well because of the sheer number of TIDs. Kyrollos: Even when the chart is exported the TIDs aren't visible When there are too much bars inside the chart it is more difficult to click on a bar. |
| 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 | To Do | |
| 4.6 | Multi selection | Ctrl+click on other unselected bar | Selections should be highlighted in the result table and the chart | Manual | To Do | |
| 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 | To Do | https://bugs.eclipse.org/bugs/show_bug.cgi?id=579392 Kyrollos: Sometimes it is difficult to select an entry from the bar chart specially when you have lots of bars but I can deselect the bars and it worked on Linux |
| 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 does not support zero and negative | Manual | To Do | 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. Marco for 7.3: don't know where to find negative or null value samples. Kyrollos: I can't test with y negative values I don't know where to find possible samples for such case And? (Run the next step I presume: refactor?) Kyrollos: What is the expected result? The chart is still open and can create another custom views next to the chart? |
| 4.9 | Keep the chart open | Keep the chart open | | Manual | To Do | Expecting what? (Toggling so the chart keeps showing I presume.) Kyrollos: When toogle button is clicked the table is hidden and when it is ckicked again the table appears and the chart is resized. I presume that it is the expected output. To be confirmed |
| 4.10 | Hide the table results | Hide the table results | | Manual | To Do | |
| 5 Scatter Chart | | | | | | |
| 5.1 | Create | Use the menu on the upper right of the result table and select "create scatter chart" | | Manual | To Do | |
| 5.2 | Creat chart | Select any x and y and click add and "ok" | A scatter chart should be created | Manual | To Do | |
| 5.3 | Selection | Should be the same behaviour as the bar chart | Should be the same behaviour as the bar chart | Manual | To Do | |
| 5.4 | Multi selection | Should be the same behaviour as the bar chart | Should be the same behaviour as the bar chart | Manual | To Do | Kyrollos: When entries are selected from scatter chart, the selected entries are selected in the table but when I toogle to hide the table and show it again, the selected entries are no more selected in thetable |
| 5.5 | Deselection | Should be the same behaviour as the bar chart | Should be the same behaviour as the bar chart | Manual | To Do | https://bugs.eclipse.org/bugs/show_bug.cgi?id=579392 |
| 5.6 | Mouse hovering | Hover mouse in the graph | On mouse hovering a cross should snap to the nearest point | Manual | To Do | |
| 5.7 | Full deselection | Click in the chart when no hovering cross is present | All selected objects should be deselected | Manual | To Do | |

| Section | Pass | Fail | Automated | To Do | Comments |
|-------------------------------------|---|---|---|--------|----------|
| Counters View | 7 | 0 | 0 | 0 | 0 |
| Target: | Windows | | | | |
| Step | Test Case | Action | Verification | Type | Comment |
| 1 Preparation | | | | | |
| 1.1 | LTTng trace with counters | Import an LTTng trace with counters (e.g. kernelVM in test traces) and open trace | In the project explorer, ensure the Counters analysis and Counters view is available (non-strikethrough) | Manual | Pass |
| 1.2 | LTTng trace with no counters | Import LTTng trace with no counters, e.g (glxgears-cyg-profile in test traces) and open trace | In the project explorer, ensure the Counters analysis is strikethrough | Manual | Pass |
| 1.3 | Non-LTTng (no counters) | Import non-LTTng trace and open trace | In the project explorer, ensure there is no Counters analysis | Manual | Pass |
| 2 Displaying counters data | | | | | |
| 2.1 | Open Counters view (after 1.1) | Double-click the Counters View under the Counters analysis | The Counters view opens and triggers the Counters analysis. After the analysis, both tree viewer are populated. | Manual | Pass |
| 2.2 | Populate xy-chart | Select several checkboxes in tree viewer | xy-chart populated. | Manual | Pass |
| 3 Filtered checkbox tree | | | | | |
| 3.1 | Re-do 2.1 + filter | Type string in filter text box (e.g. minor) | Tree viewer is updated to show only entries matching the filter string | Manual | Pass |
| 4 Supporting experiments | | | | | |
| 4.1 | Experiment with LTTng trace with counters | Create experiment and add an LTTng trace with counters (e.g. kernelVM in test traces) to it. Open experiment and Counters view. | All counters are displayed | Manual | Pass |
| 5 Persistence between traces | | | | | |
| 5.1 | | | | | N/A |