2013 TPF Users Group
TPF Toolkit Updates

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Development Tools Subcommittee
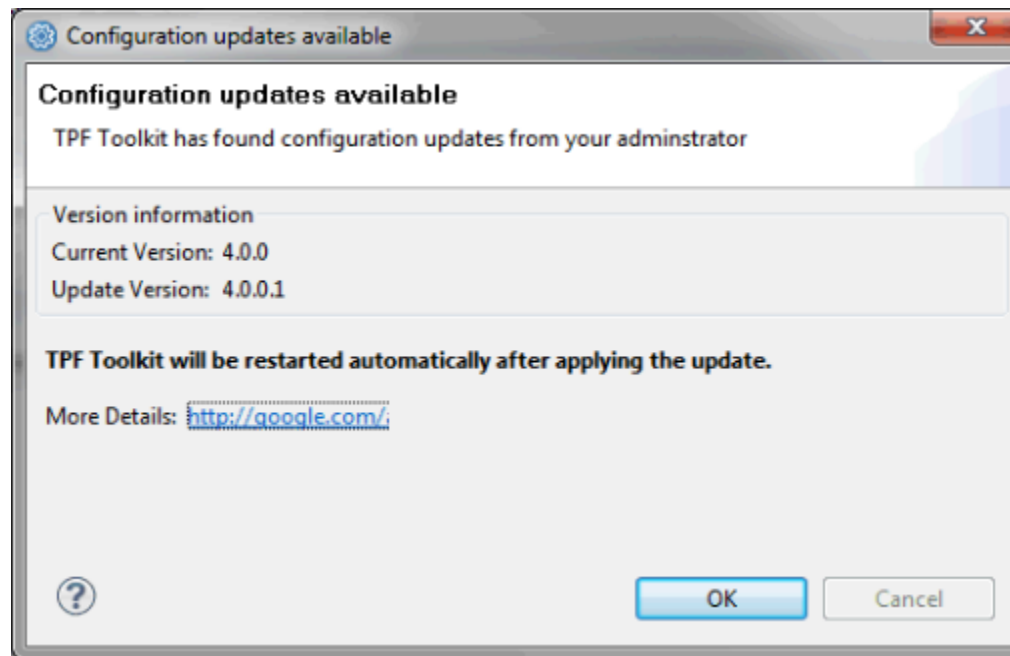
Updates (since TPFUG 2012 – Denver)

- **TPF Toolkit v4.0 (December 2012)**

- **TPF Toolkit v4.0.1 (April 1st, 2013 – no joke!)**

TPF Toolkit v4.0

- **Released in December 2012**

- **Based on Eclipse 3.6.2**

- **Adoption of IBM Installation Manager**

  - Consistent user experience across other IBM products

  - Easier to share environments between products such as IBM TPF Toolkit and, for example, Rational Team Concert (RTC)

    - Commonly referred to as *shell-sharing*

TPF Toolkit v4.0

- **New mechanism for customizing TPF Toolkit**
  - Simplify customization process significantly for admins
  - Create and upload customizations to remote system
  - Customizations are applied when user connects to the system

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Business Events and WODM Rule Engine wizards

- **Several wizards have been implemented to help create various XML descriptors**
  - Business Events
    - Business Event Specification
    - Business Event Dispatch Adapter
  - WebSphere Operational Decision Management (WODM)
    - TPF Object Model
    - WODM Rule Application
    - WODM Endpoint Definition

Code Coverage Comparison Tool

- **New Code Coverage Compare editor allows you to compare size and source analysis results for multiple sessions**

  - Compare results at several levels:

    - Module level (e.g. QDB0)
    - Object level (e.g. qdb0.o)
    - Function level (e.g. printf(…))

  - You can filter the results to:

    - Show only specific modules by name
    - Show only modules/functions/objects where the size/line percentage lies within a certain range (e.g. only show those modules that are covered < 50% by tests)

  - You can sort the results by size/line percentage or by name

Compare Results ✕

Compare code coverage results ▾

	Size 1	Size 2
iuddi.hpp	n/a	n/a
qdb0.cpp	14	0
qdb0bp.cpp	n/a	n/a
qdb0er.cpp	n/a	n/a
qdb0ff.cpp	n/a	n/a
qdb0go.cpp	41	n/a
qdb0lk.cpp	27	**-14**
linkCases	29	**-15**
qdb0ms.cpp	n/a	n/a
qdb0sk.cpp	n/a	n/a
qdb0sy.cpp	n/a	n/a
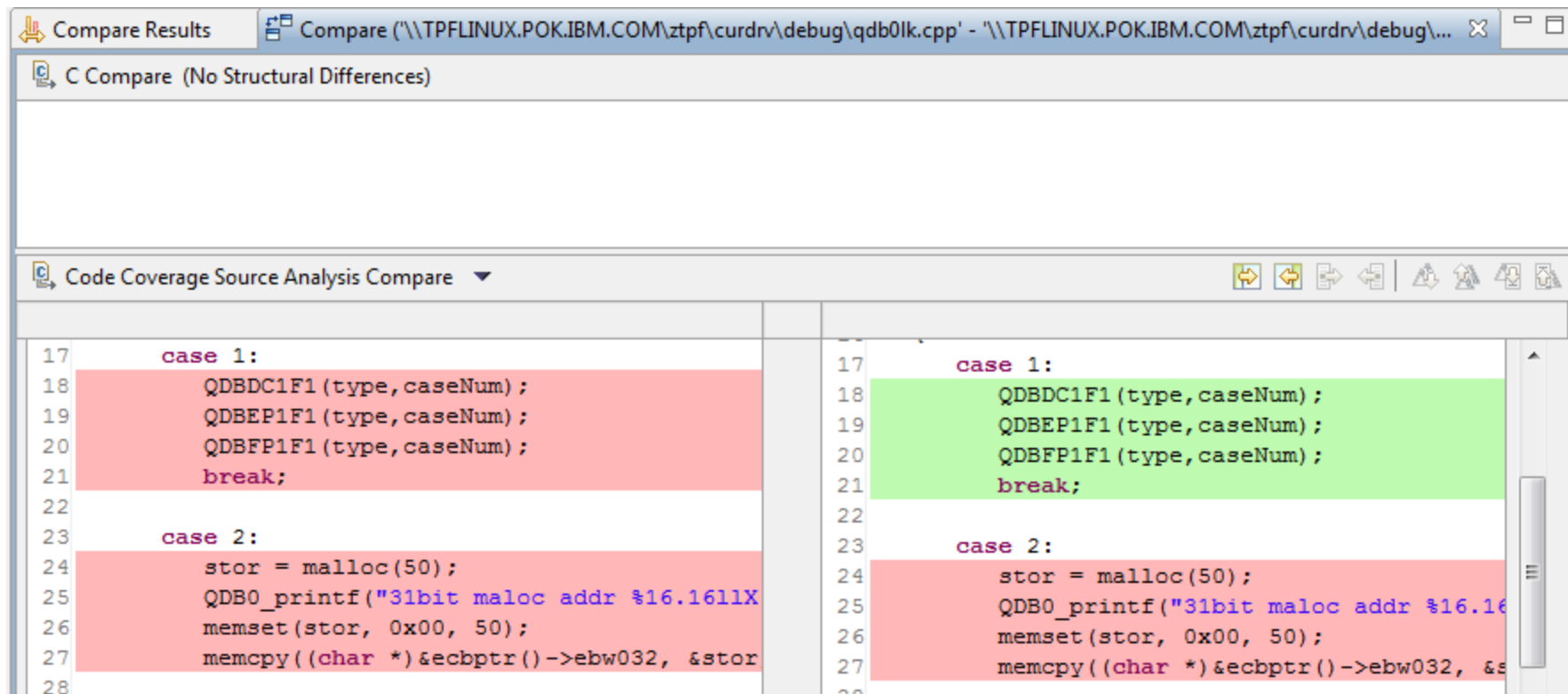
	Line 1	Line 2
▷ iuddi.hpp	n/a	n/a
▷ qdb0.cpp	18	0
▷ qdb0bp.cpp	n/a	n/a
▷ qdb0er.cpp	n/a	n/a
▷ qdb0ff.cpp	n/a	n/a
▷ qdb0go.cpp	51	n/a
◢ qdb0lk.cpp	31	**-18**
linkCases	31	**-18**
▷ qdb0ms.cpp	n/a	n/a
▷ qdb0sk.cpp	n/a	n/a
▷ qdb0sy.cpp	n/a	n/a

Host: 9.57.13.91, **Session:** test2, **Timestamp:** October 15, 2012 2:23:59 AM
Host: 9.57.13.91, **Session:** test2, **Timestamp:** October 15, 2012 2:19:35 AM

Move up

Move down

Compare

Code Coverage Comparison Tool

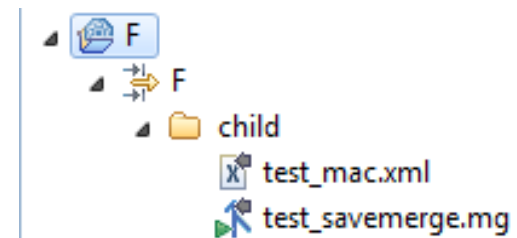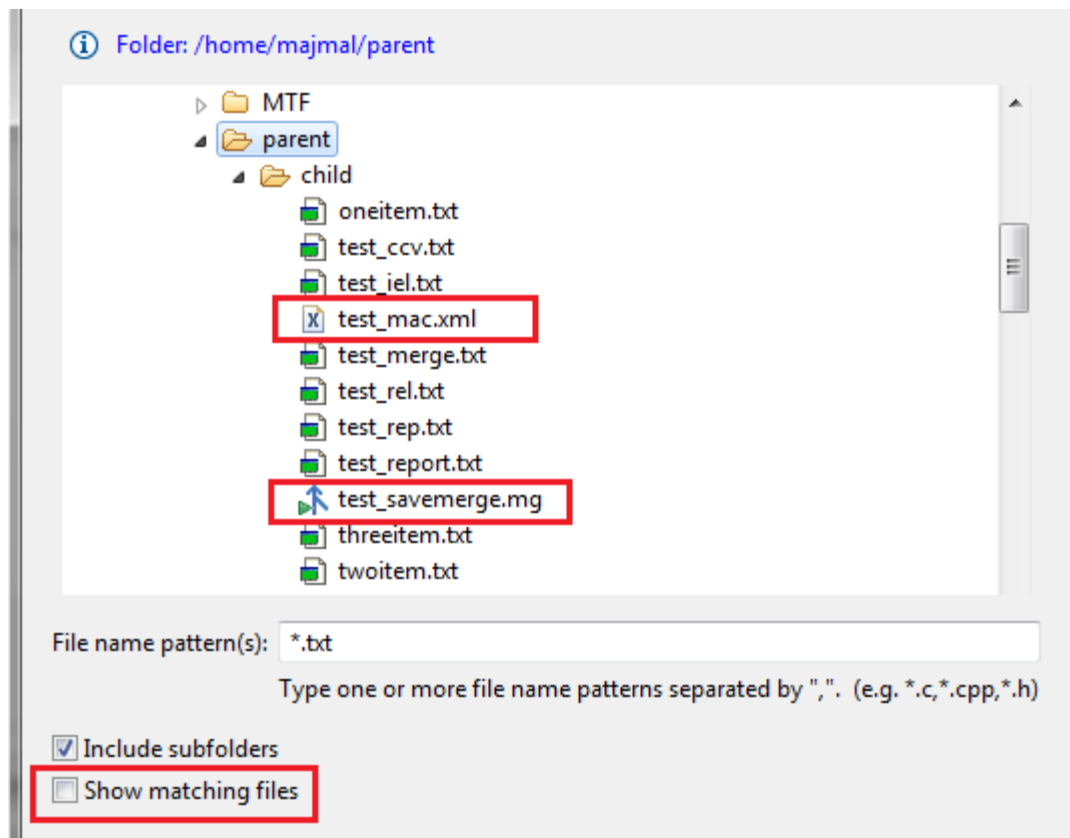- **Ability to compare source analysis data at the source file level**

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Negative Filters in TPF Projects (zLinux only)

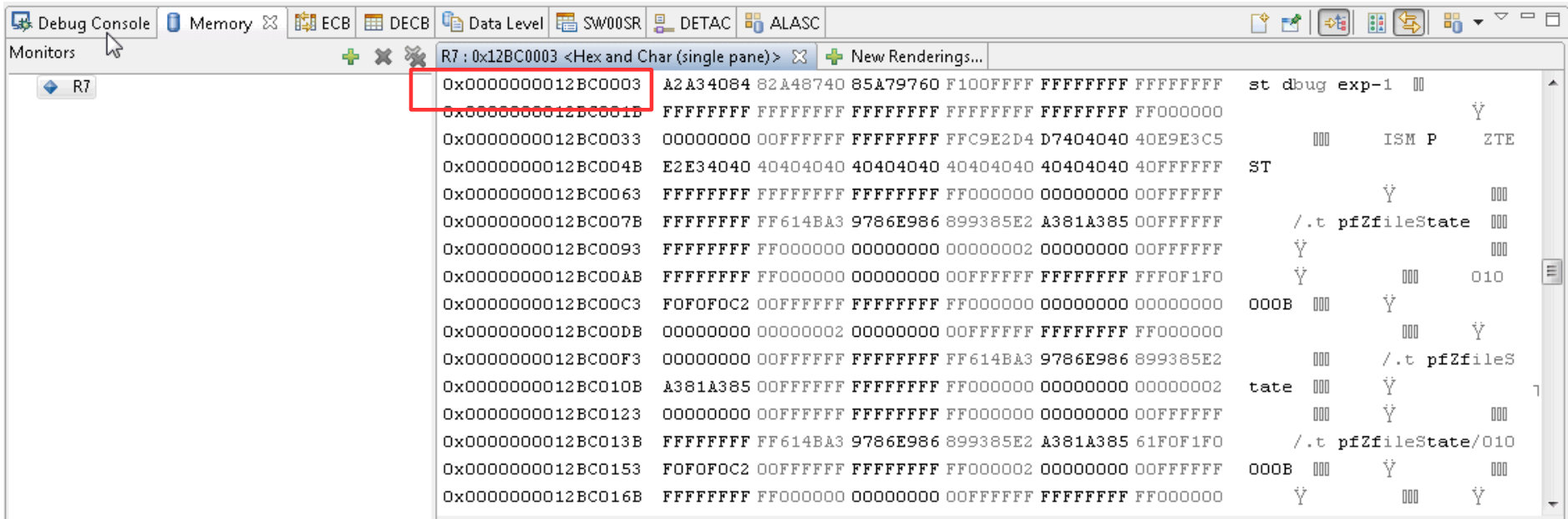- **Allows a user to specify what NOT to show when creating a new TPF filter**

Enhanced fork support in z/TPF debugger

- **Currently, users are able to choose to debug a parent ECB, child ECB or both ECBs when a fork event occurs**
  - This interface has been enhanced to supply additional information to the user to help make a more informed decision
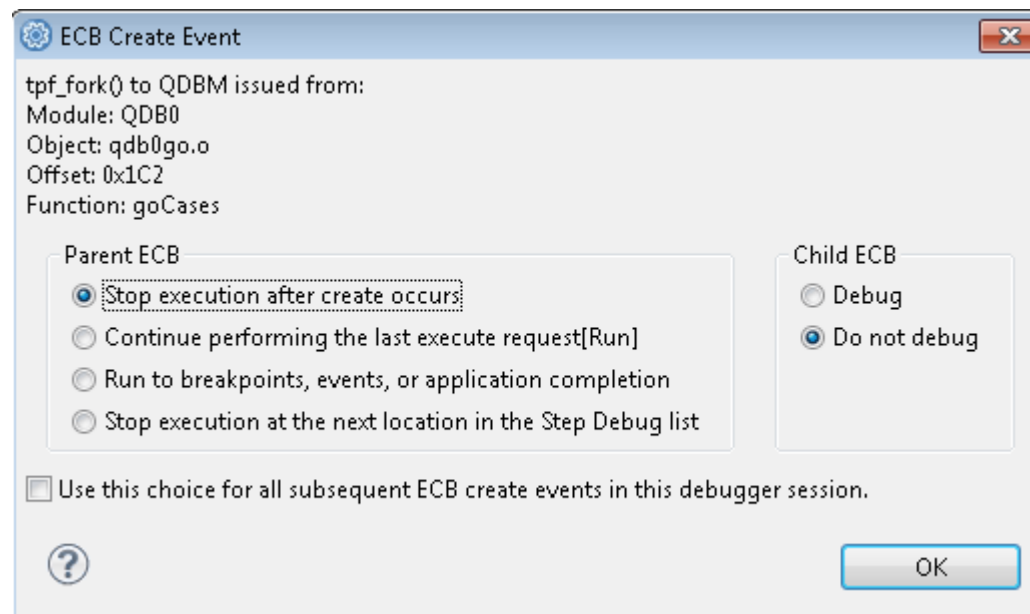
Hex and char (single pane) rendering

- **New Hex and char rendering added to Memory view**

    - Displays hex and text in the same pane

    - Displays contents starting from arbitrary address

HLAsm Enhancements

- **New script file to generate HLAsm macro definitions automatically on remote host**

  - Macro definitions can then be used by the HLAsm parser to provide content assist and syntax checking

  - Script file scans user specified directories on remote system to generate a user macro file that can be used in the editor.

Content Assist For C/C++ Enumerations

- **Content assist for C/C++ now presents additional information when providing proposals for enumerations**

  - The enumeration declaration is shown when an enumeration proposal is selected
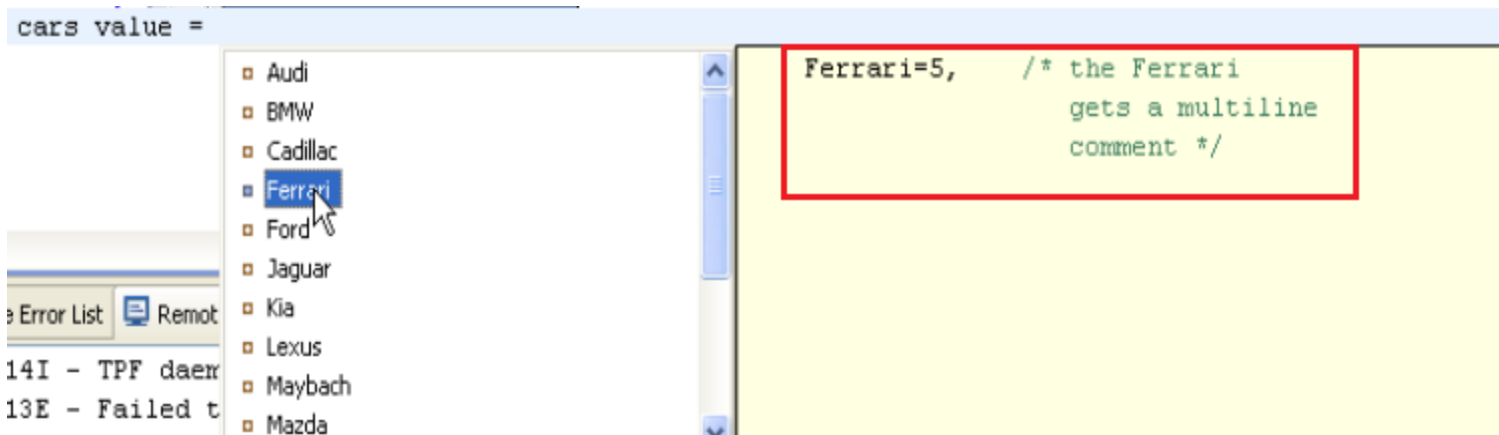
TPF Toolkit v4.0.1

- **National Language support has been refreshed**
  - French, Japanese, Korean and Simplified Chinese
  - Applied automatically with the Interim Fix

- **Source Scan updates**
  - OTRDBCHe, OTRREGSb

TPF Toolkit v4.0.1

- **Editor updates**

  - LPEX and Remote C/C++ editors have been enhanced to provide better detection of possible out-of-memory situations when opening large files
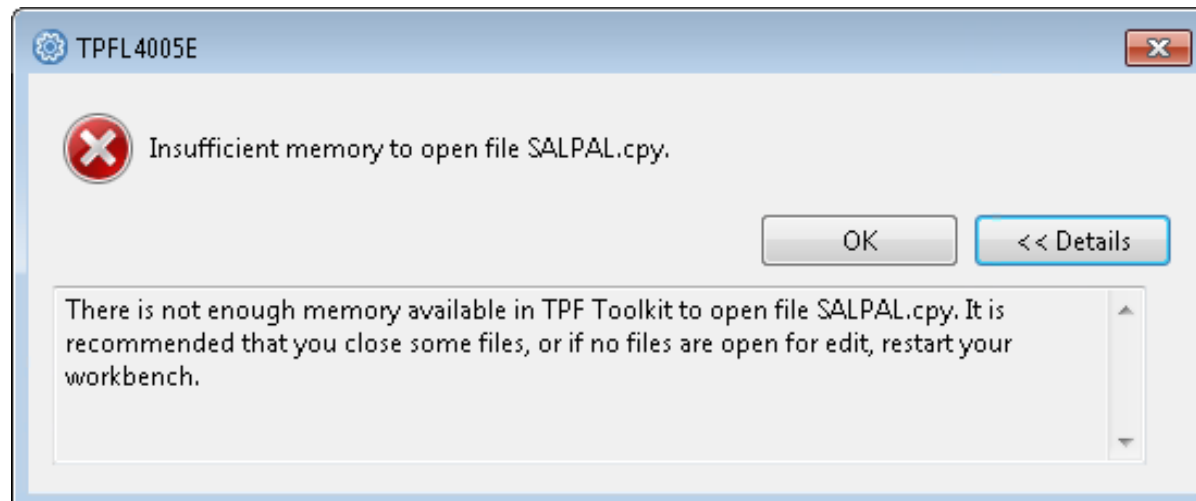
TPF Toolkit v4.0.1

- **Business Events and Rules wizards enhanced to support editing existing files**
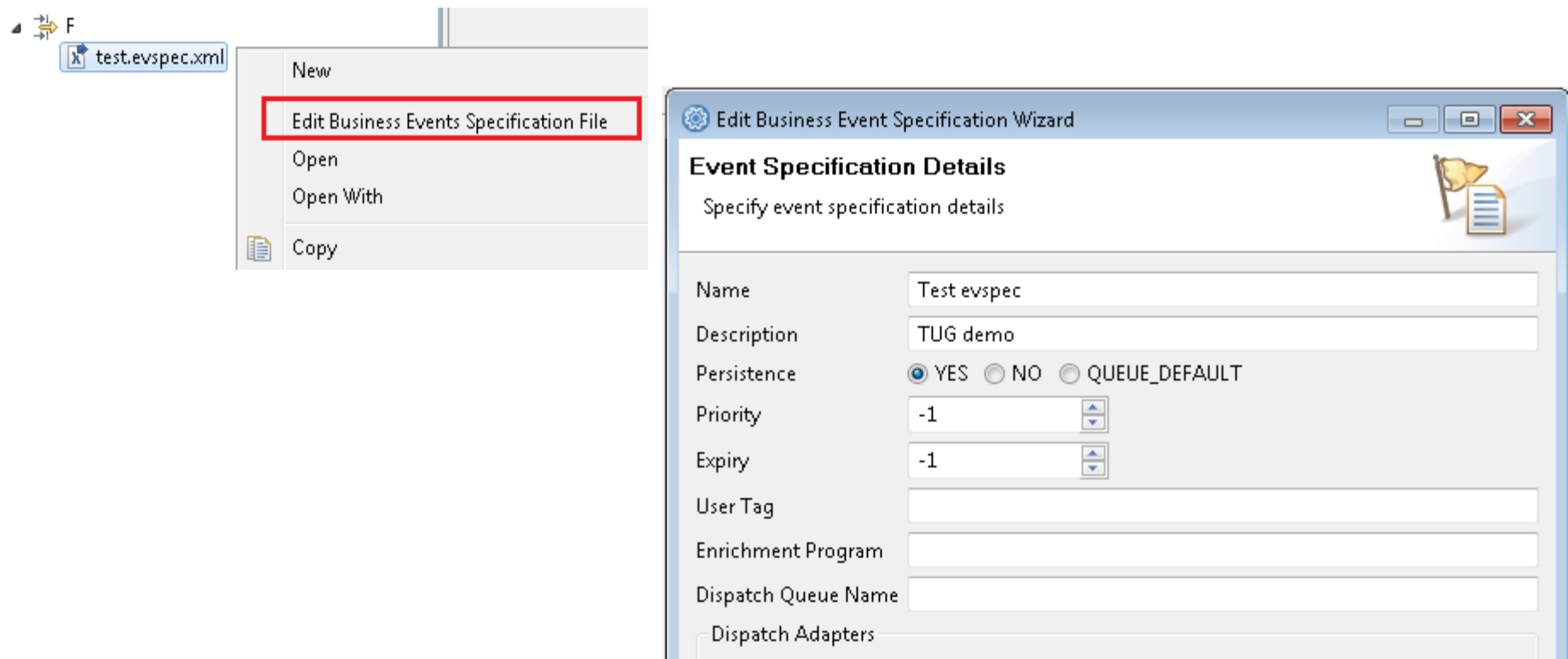
TPF Toolkit v4.0.1

- **New Code Coverage tutorial available in help**
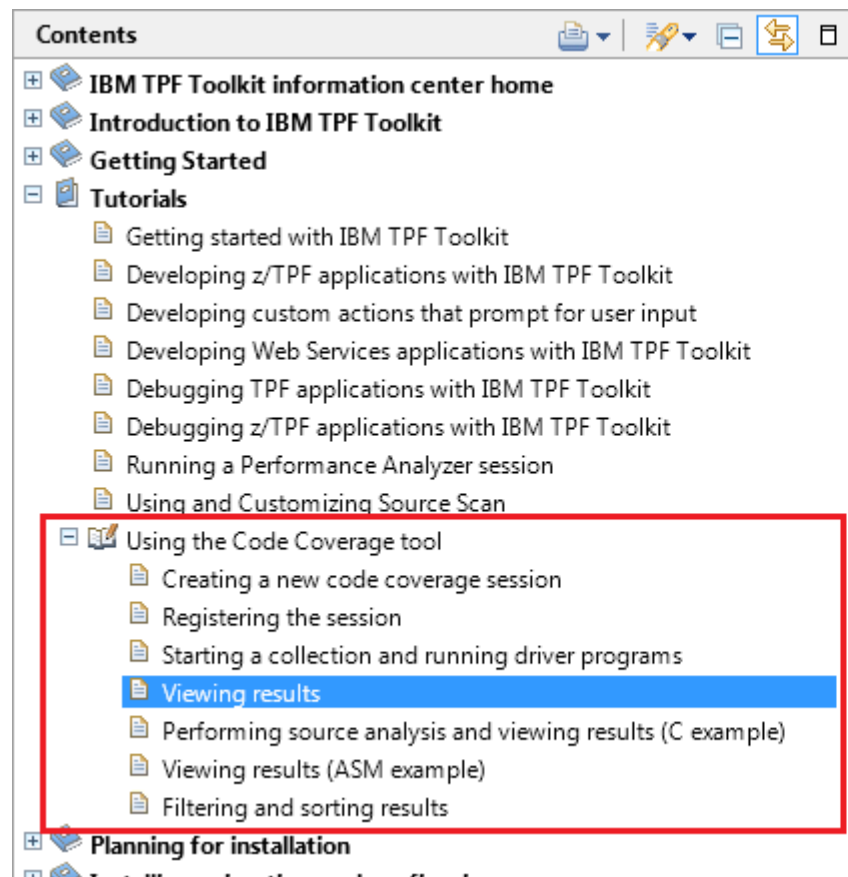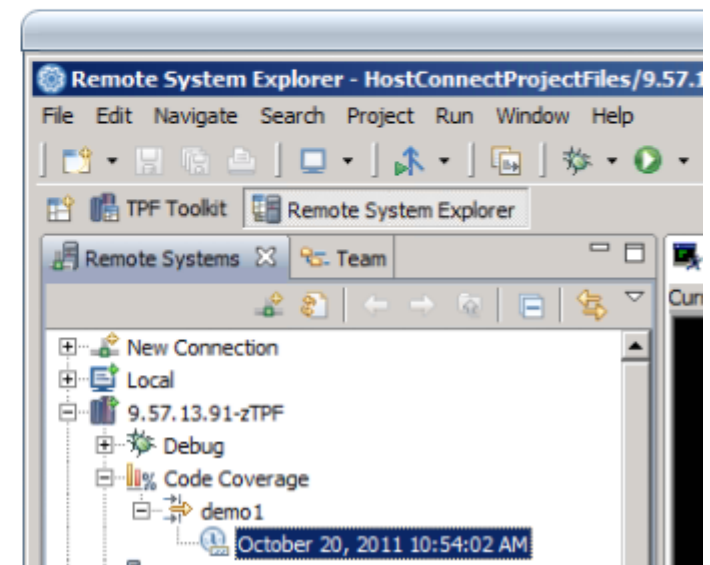
TPF Toolkit v4.0.1

- **Miscellaneous fixes**

  - Install and uninstall exits are passed full installation path

  - tpftool updates:

    - **Shutdown** service to gracefully shut down a running instance of TPF Toolkit
    - **CreateRSE** and **ModifyRSE** services enhanced to allow spaces in *-script* parameter

- **Allow addition of custom actions in New... menu in TPF Project Navigator view [TPFUG]**

- **Remember previous location in Start Tracelog dialog [TPFUG]**

Questions?

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