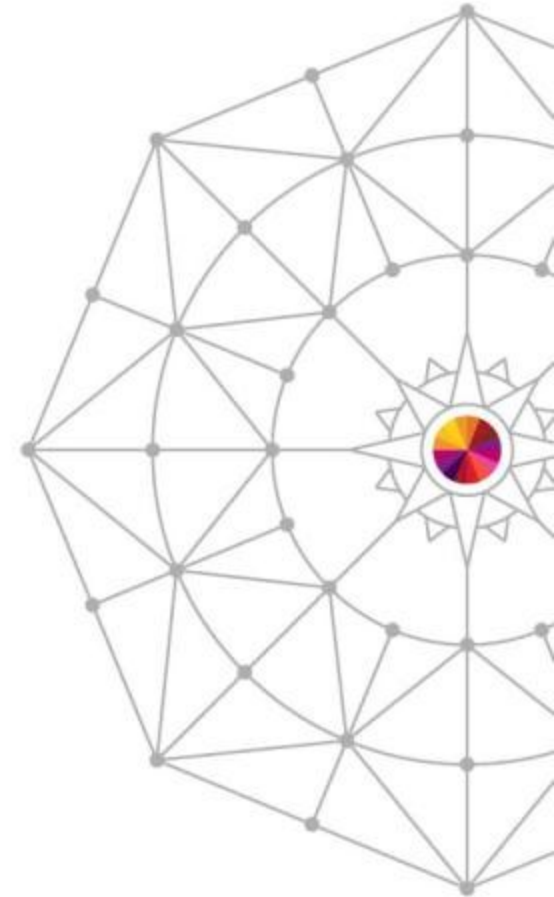


2014 TPF Users Group TPF Toolkit Updates

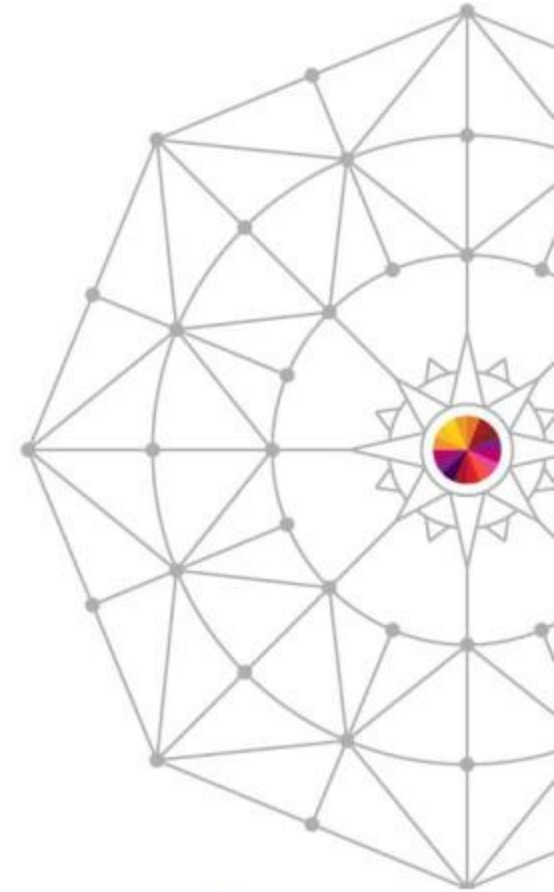
Mohammed Ajmal
IBM Canada

Development Tools Subcommittee
Tuesday, March 11, 2014



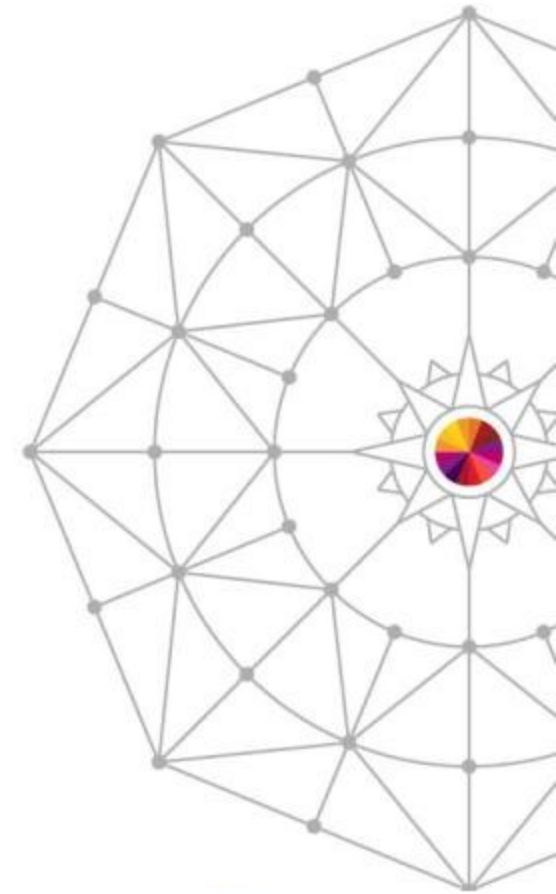
Disclaimer

Any reference to future plans are for planning purposes only. IBM reserves the right to change those plans at its discretion. Any reliance on such a disclosure is solely at your own risk. IBM makes no commitment to provide additional information in the future.



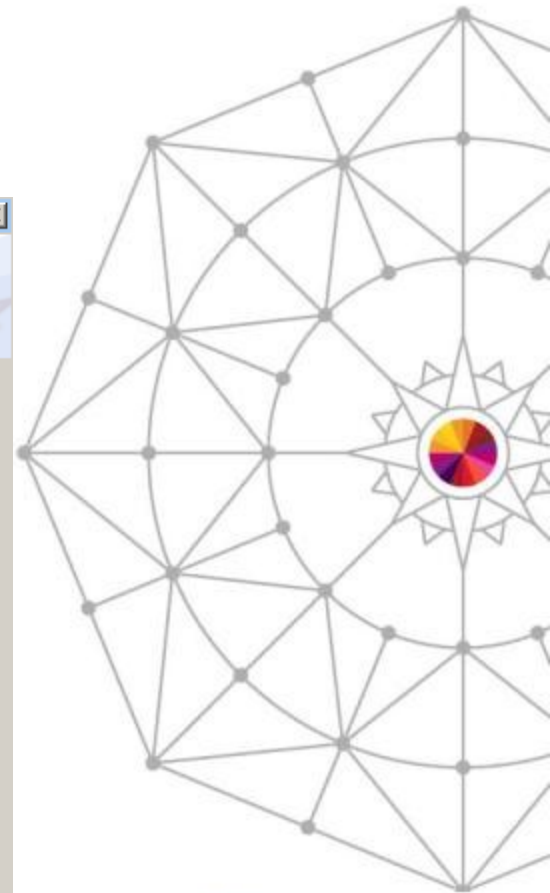
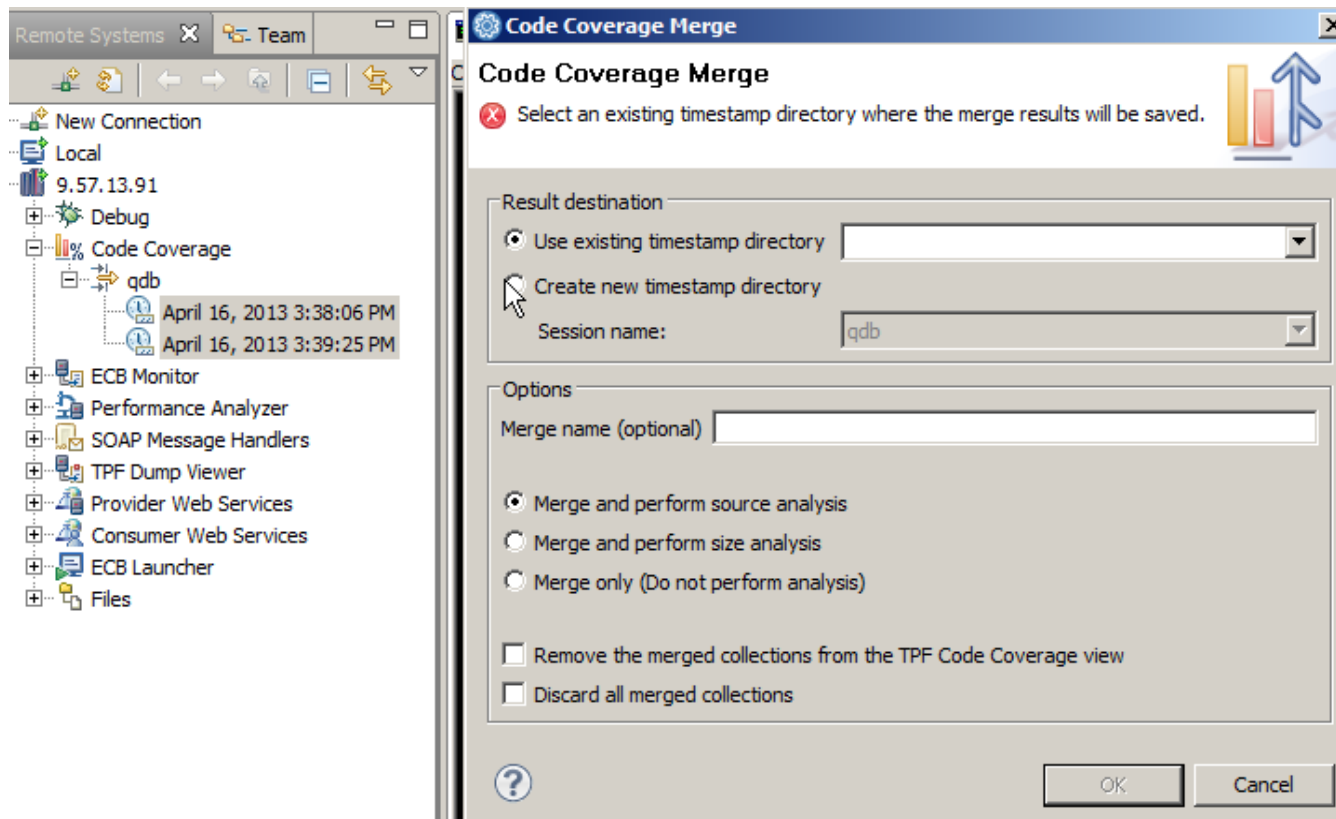
Updates (since TPFUG 2013 Atlanta)

- TPF Toolkit v4.0.2 (June 27, 2013)
- TPF Toolkit v4.0.3 (November 4, 2013)
- TPF Toolkit v4.next



TPF Toolkit v4.0.2 – Code Coverage Merge

- Provides complete picture of code coverage results across multiple testers/sessions

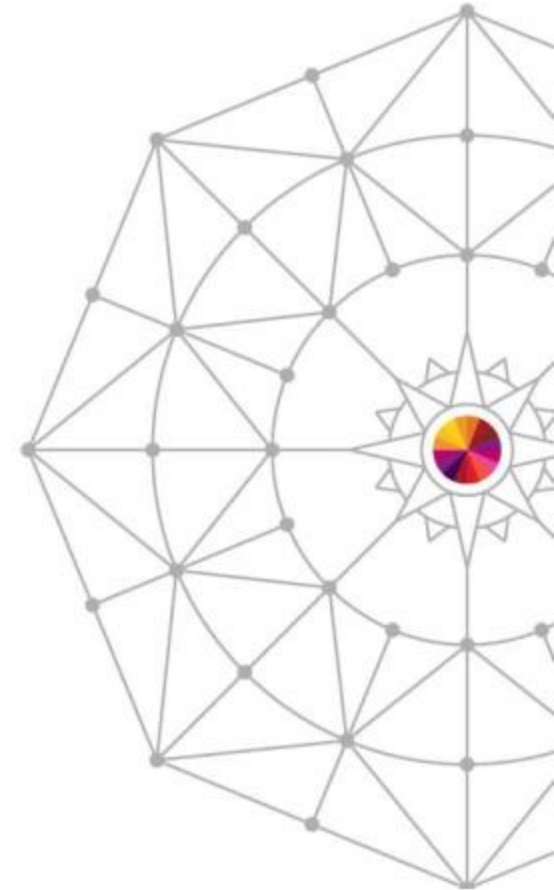


TPF Toolkit v4.0.2 – Code Coverage Merge

- Merge multiple results into one

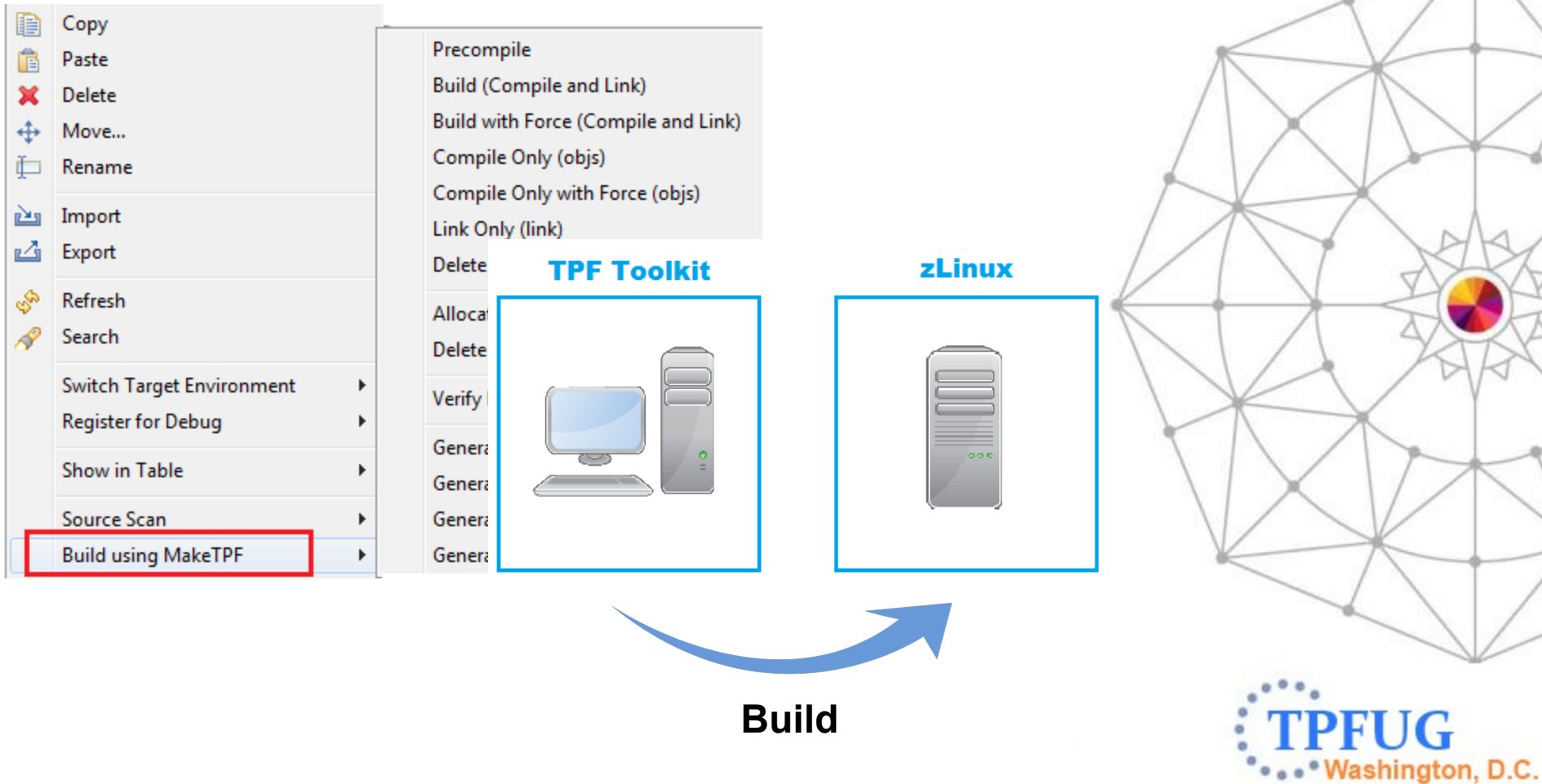
Filter is disabled. [Configure filter.](#)

	Size Percentage	Line P
Host: 9.57.13.91, Session: qdb, Timestamp: April 16, 2013 3:39:25 PM		
QDB0	not executed	not ex
QDB2	not executed	not ex
QDB3	not executed	not ex
QT00	4%	not av
Host: 9.57.13.91, Session: qdb, Timestamp: April 16, 2013 3:38:06 PM		
QDB0	5%	not av
QDB2	23%	not av
QDB3	3%	not av
demoMerge Host: 9.57.13.91, Session: qdb, Timestamp: April 16, 2013 3:41:26 PM		
QDB0	5%	4%
QDB2	23%	87%
QDB3	3%	100%
QT00	4%	debug



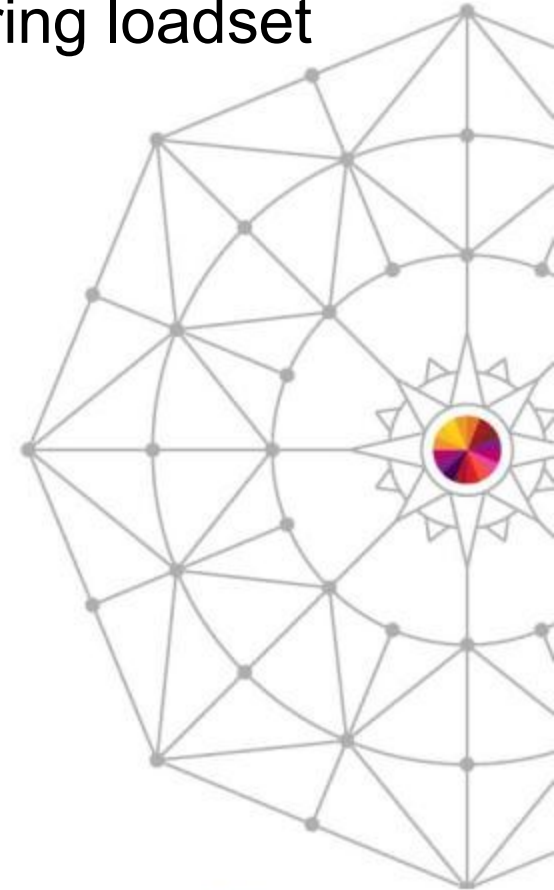
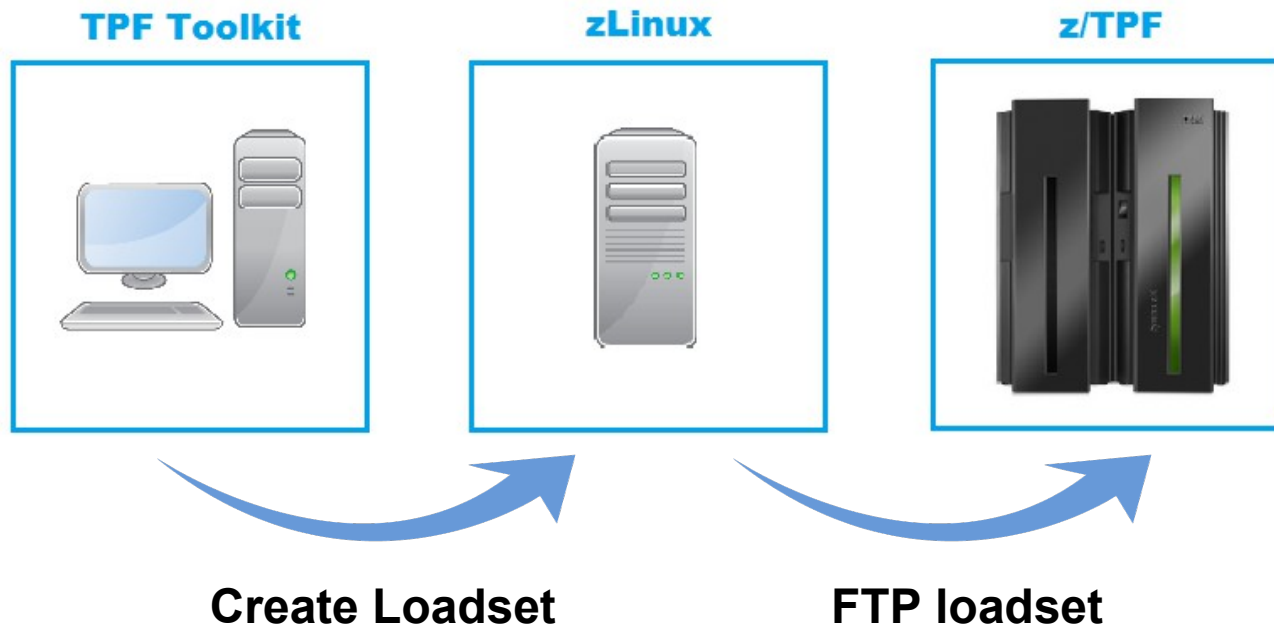
TPF Toolkit v4.0.2 – OLDR Actions

- TPF Toolkit supported remote build actions



TPF Toolkit v4.0.2 – OLDR Actions

- TPF Toolkit supported creating and transferring loadset



TPF Toolkit v4.0.2 – OLDR Actions

- Had to manually load and activate loadset on TPF

TPF Toolkit



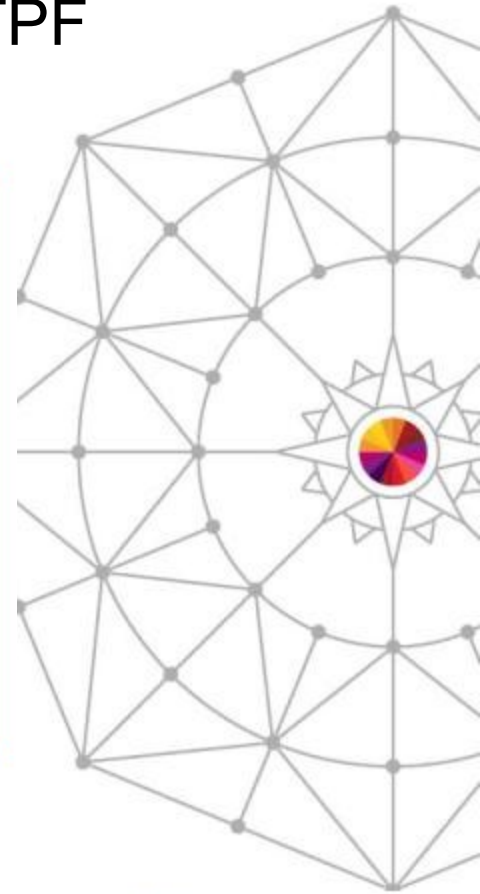
zLinux



z/TPF

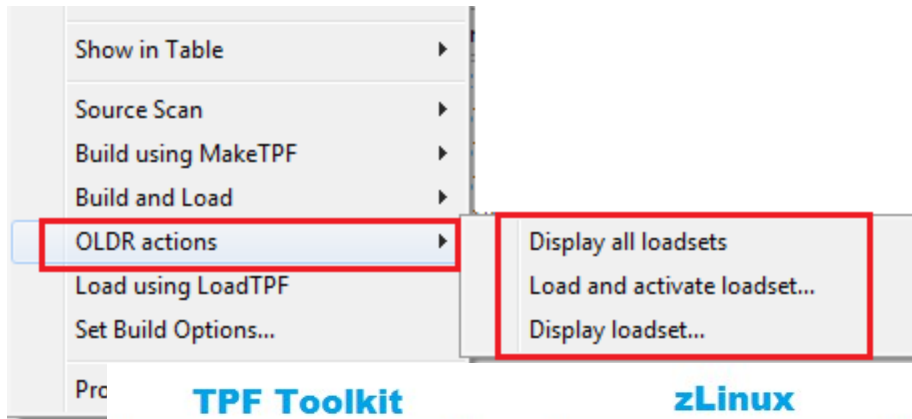


**Load,
activate**



TPF Toolkit v4.0.2 – OLDR Actions

- OLDR actions allow you to load/activate using TPF Toolkit



TPF Toolkit



zLinux



z/TPF



**Load,
activate**



TPF Toolkit v4.0.2 – V11126 – Data Level view

Record ID shown as EBCDIC and Hex

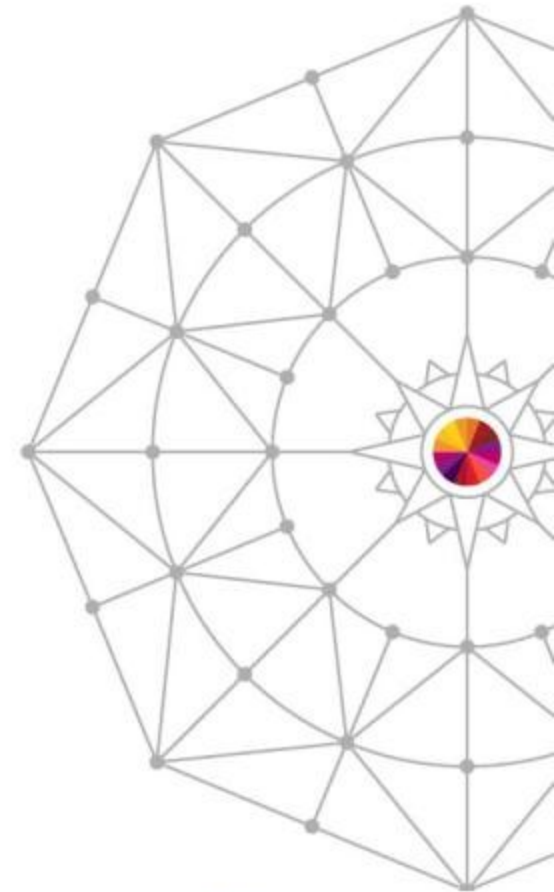
- TPF Users Group Requirement
- Record ID shown as EBCDIC and Hex

Debug Console | Memory | ECB Trace | ECB | Data Level | SW00SR | DETA

Data Level Table

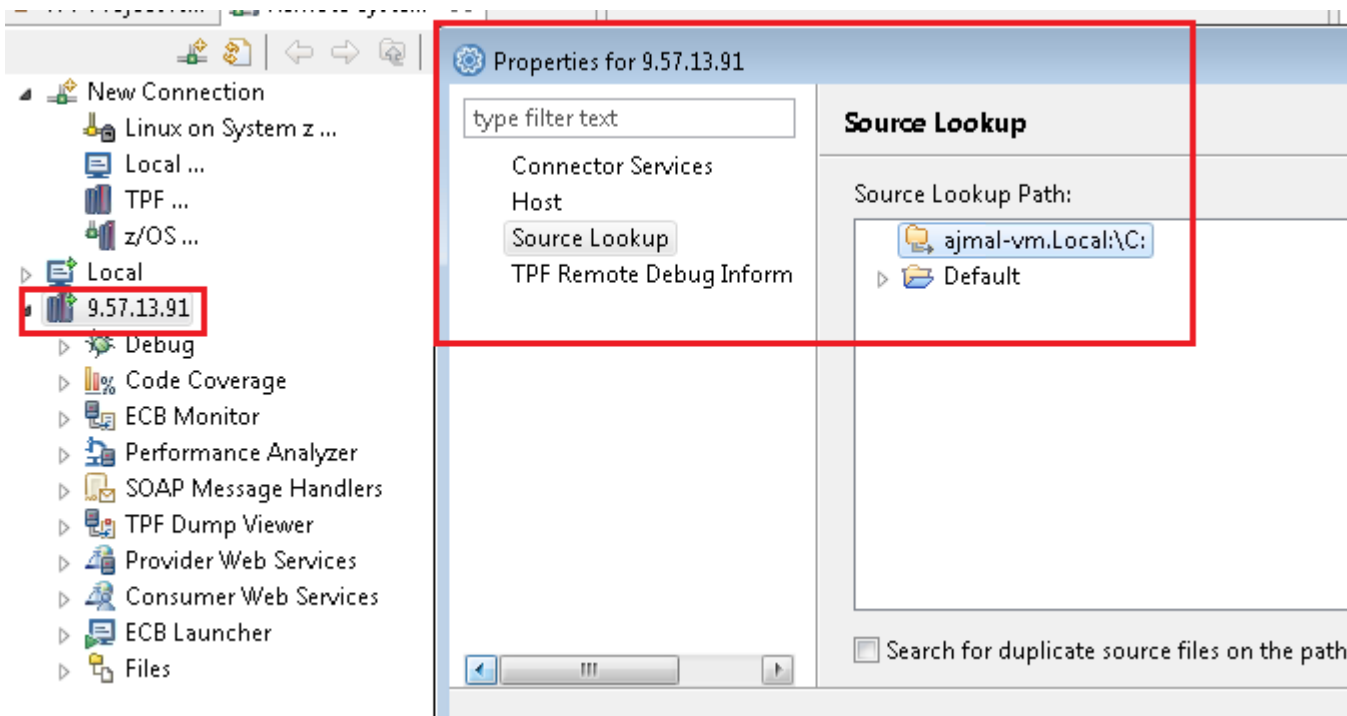
ecbptr : 0x10100000

Name	Blk Addr	Blk Type	Blk Size	RID	RIDx	RCC	Control Byte	File
D0	10150E80	0021	017D		0000	00	00	00
D1	10152000	0001	0FFF		0000	00	00	00
D2	00000000	0001	0000		0000	00	00	00
D3	▲ 10150C00	0001	017D	▲ X.	▲ E7C9	00	00	10
D4	▲ 10150C00	0021	017D	X.	E7C9	▲ 09	00	10
D5	00000000	0001	0000		0000	00	00	00
D6	00000000	0001	0000		0000	00	00	00
D7	00000000	0001	0000		0000	00	00	00
D8	10150C00	0001	017D		0000	00	00	00
D9	00000000	0001	0000		0000	00	00	00
DA	00000000	0001	0000		0000	00	00	00



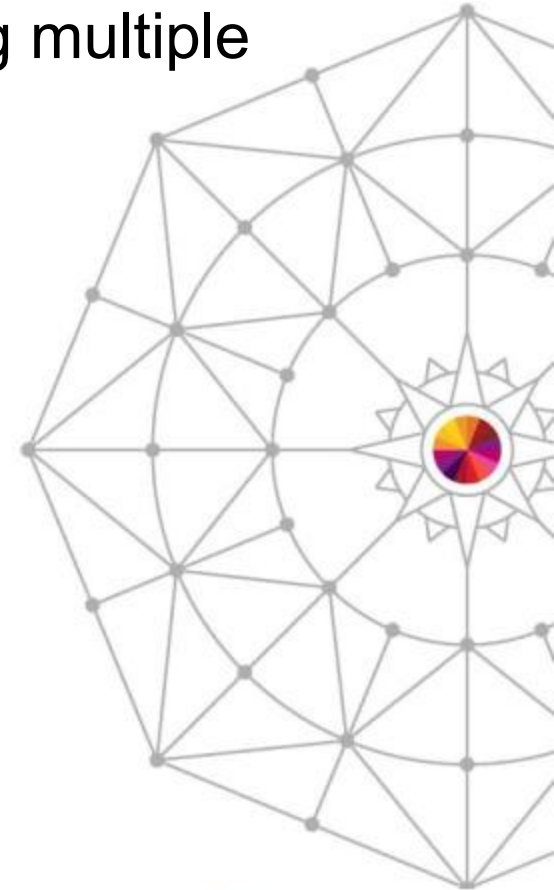
TPF Toolkit v4.0.2 – V12131 – Default source lookup information for sessions in TPF connections

- TPF Users Group Requirement
- Set default source lookup at connection level
 - Inherited by sessions in connection



TPF Toolkit v4.0.2 – Miscellaneous fixes

- APAR JR46594 – Fixed issue with deploying multiple folders using configuration projects
- APAR JR46960 – New tpftool service – GetToolkitVersion – created
- APAR JR46959 – RemoteCommand tpftool service now reports invalid hostnames



TPF Toolkit v4.0.3 – Error Handling in Business Events

- Business Event Specification wizard was enhanced to allow users to specify error handling details

New Business Event Specification Wizard

Event Specification Details

Invalid event specification name. Specify a value between 1 and 16 characters.

Name

Description

Persistence YES NO QUEUE_DEFAULT

Priority -1

Expiry -1

User Tag

Enrichment Program

Error Handling

Error Queue Name

Persistence YES NO USE_EVENT_DEFINITION

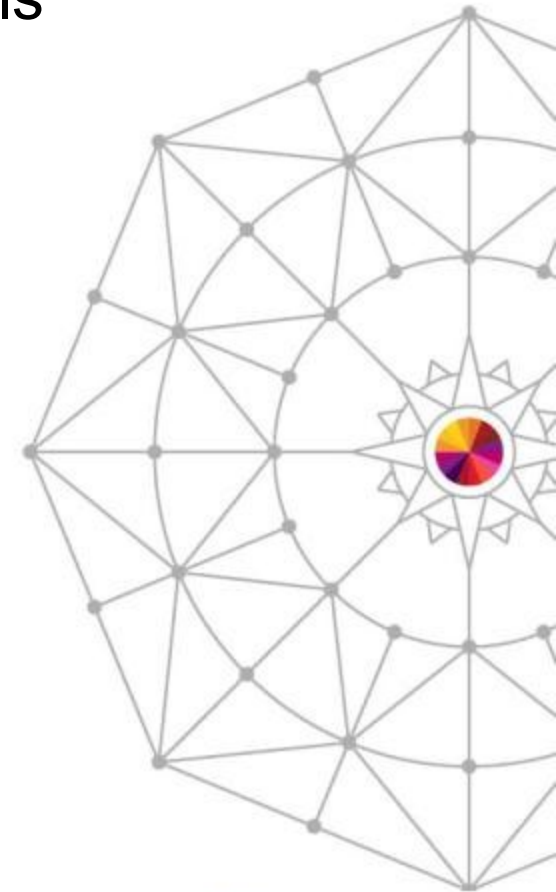
Expiry -1

Use event specification expiry value

Error Program Name

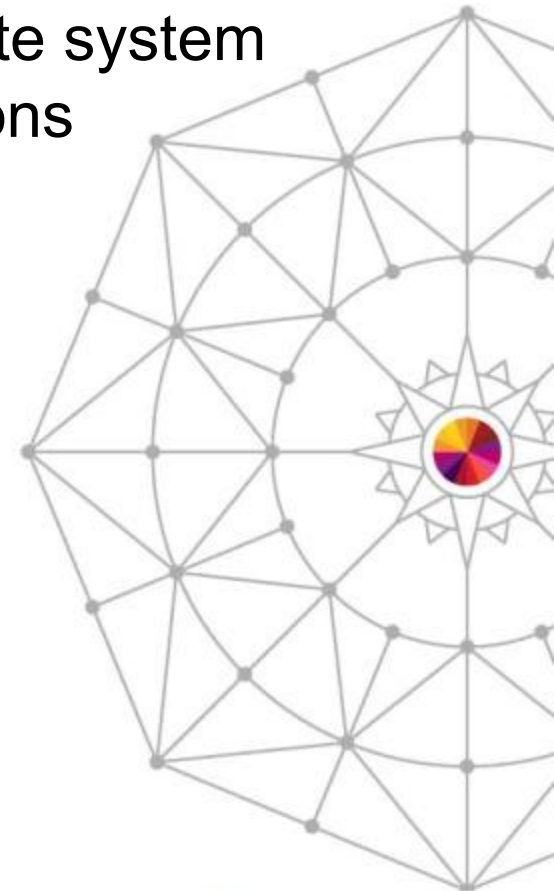
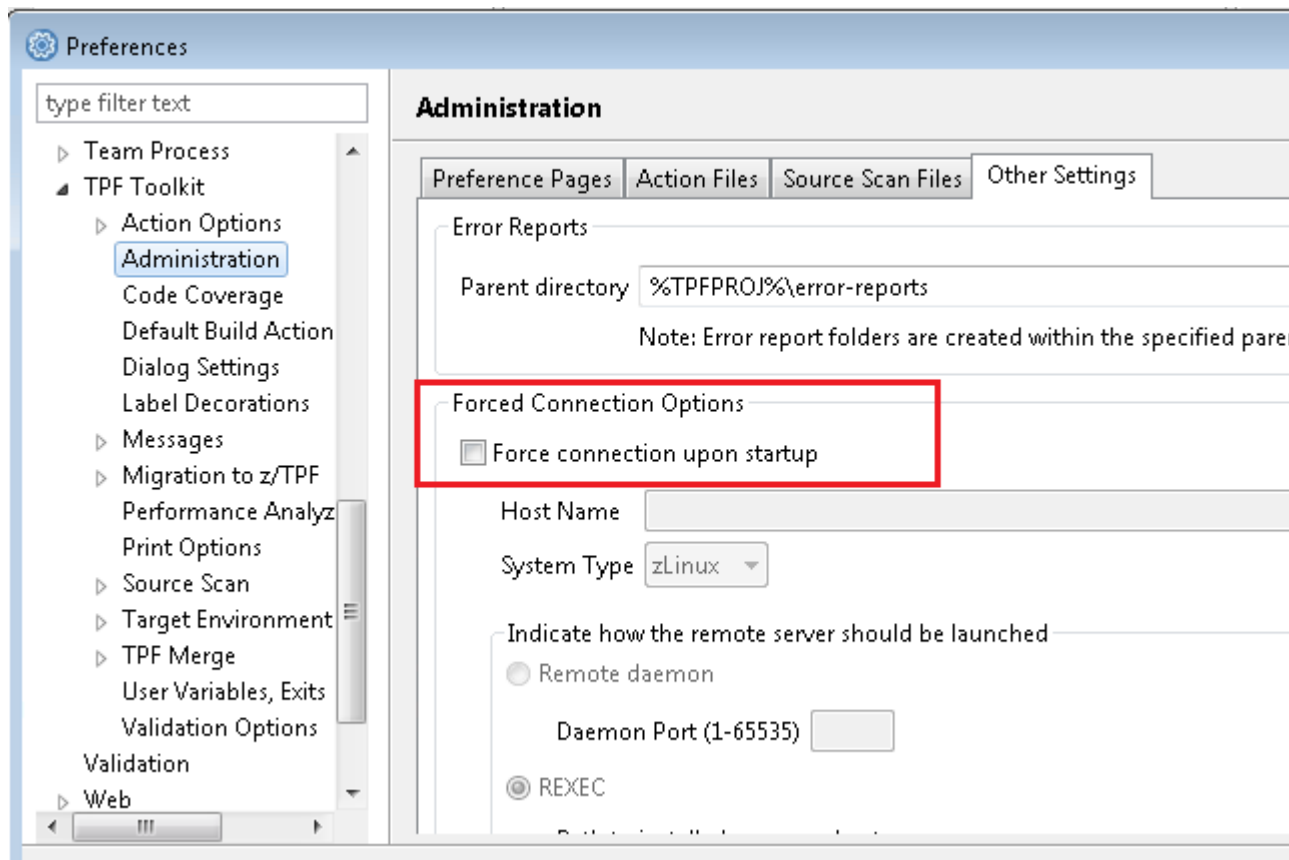
Dispatch Queue Name

Dispatch Adapters



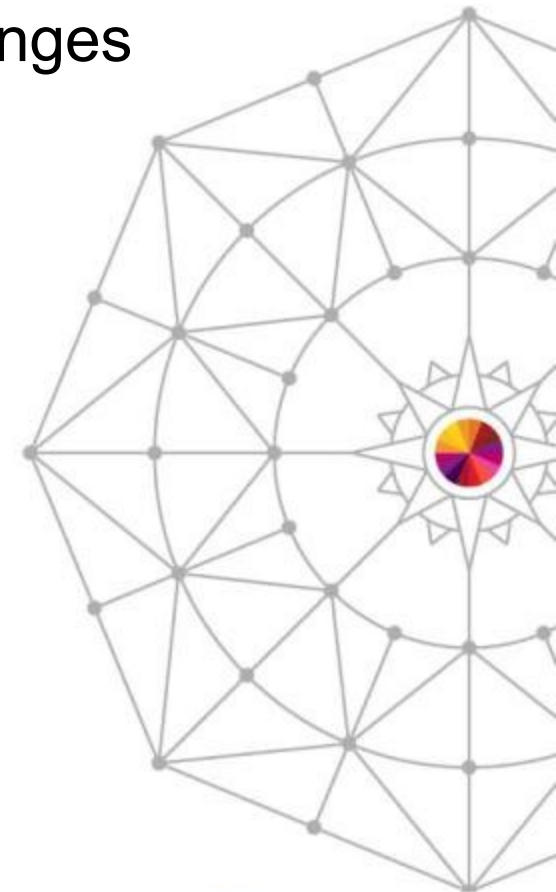
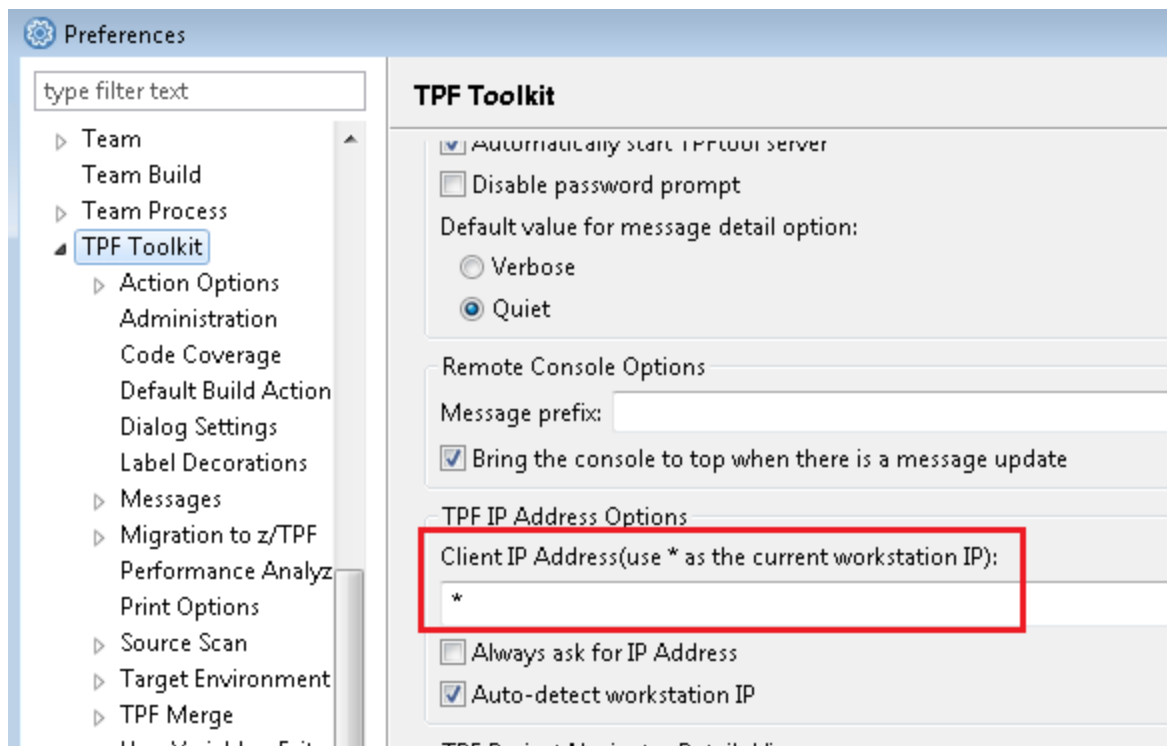
TPF Toolkit v4.0.3 – Force Connection

- APAR JR48297 – Force connection to remote system to check for deployed enterprise configurations



TPF Toolkit v4.0.3 – Detect workstation IP changes

- APAR JR48252 – Detect workstation IP changes automatically



TPF Toolkit v4.0.3 – Miscellaneous fixes

- APAR JR48323 – New **Generate Loadset (no FTP)** action allows you to create a loadset without transferring it to TPF system
- APAR JR48298 – zLinux single server can be launched with `nohup` option
- APAR JR48320 – CreateRSE tpftool service has been enhanced to allow spaces in filter name
- Many other fixes; check [service.html](#)



TPF Toolkit v4.next

- Eclipse v4.2.x
- TPF Toolkit & Rational Team Concert integration
- Graphical Trace Log Compare editor

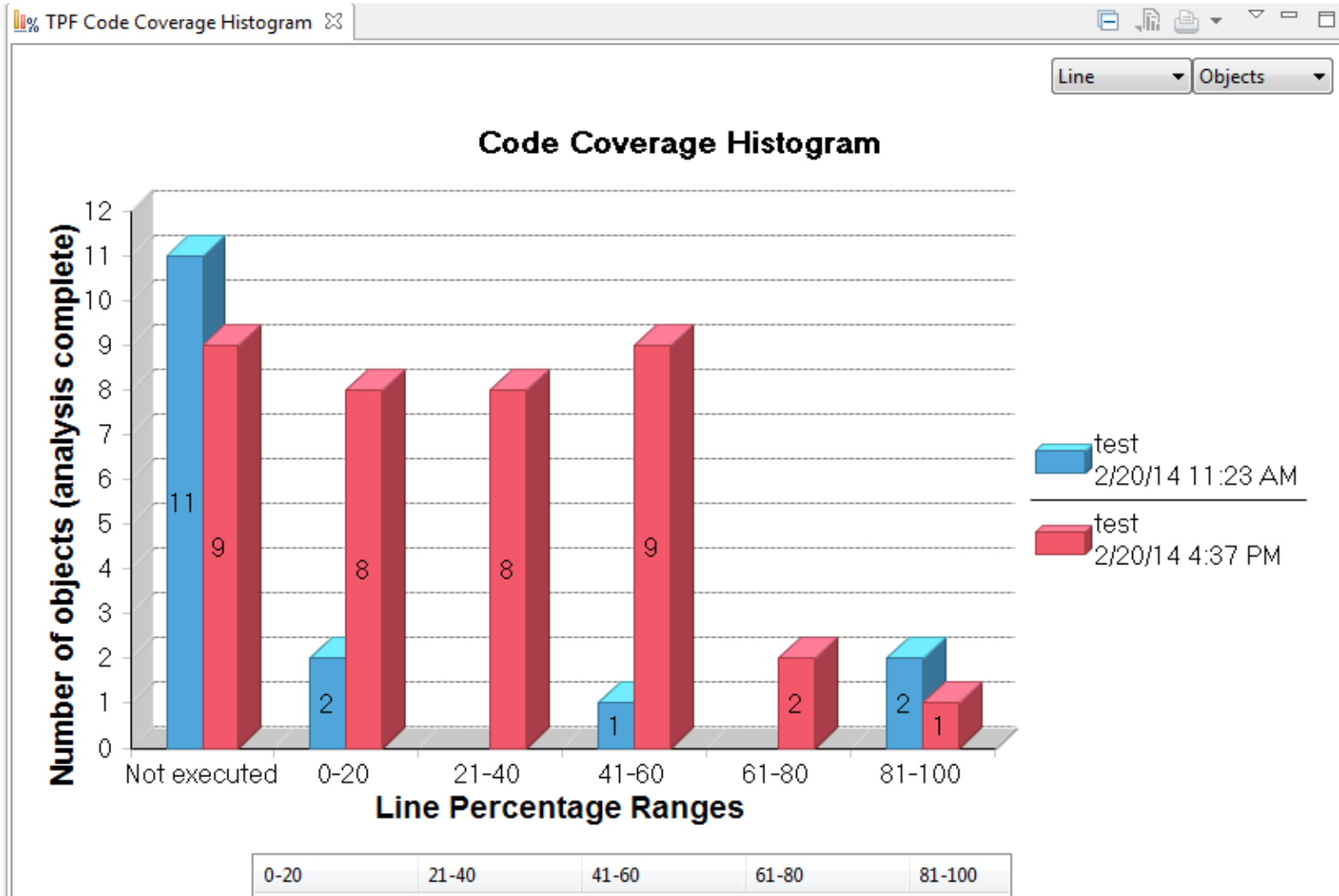
CC6DC5C93D08CBEE.report Compare Result

Trace Log Compare Result

Function call or Macro	Trace Group	Load Module	Object Name	PSW	IS	Obj D
EHEAPC	IBM_DEFT	QDB0	ccvage	64PU0	1	3636
EHEAPC	IBM_DEFT	QDB0	ccvage	64PU0	1	38B2
EHEAPC	IBM_DEFT	QDB0	ccvage	64PU0	1	3636
EHEAPC	IBM_DEFT	QDB0	ccvage	64PU0	1	38B2
EHEAPC	IBM_DEFT	QDB0	ccvage	64PU0	1	3636
EHEAPC	IBM_DEFT	QDB0	ccvage	64PU0	1	38B2
EHEAPC	IBM_DEFT	QDB0	ccvage	64PU0	1	3636
EHEAPC	IBM_DEFT	QDB0	ccvage	64PU0	1	38B2
EHEAPC	IBM_DEFT	QDB0	ccvage	64PU0	1	3636
EHEAPC	IBM_DEFT	QDB0	ccvage	64PU0	1	38B2
IPRSE_parse	IBM_DEFT	CTBX	crfb	64PU0	1	2A
└─> _ctype_b_loc	IBM_DEFT	CISO	ctype-info	64PU0	1	2A
└─> return from __ctype_b	IBM_DEFT	CISO	ctype-info	64PU0	1	4E
└─> IPRSE_parseString	IBM_DEFT	CTBX	crfd	64PU0	1	1D82
└─> IPRSE_getToken	IBM_DEFT	CTBX	crfc	64PU0	1	24
└─> _ctype_b_loc	IBM_DEFT	CISO	ctype-info	64PU0	1	2A
└─> return from __c	IBM_DEFT	CISO	ctype-info	64PU0	1	4E
IPRSE_parse	IBM_DEFT	CTBX	crfb	PSW	1	28
└─> _ctype_b_loc	IBM_DEFT	CISO	ctype-info	PSW	1	2E
└─> return from __ctype_b	IBM_DEFT	CISO	ctype-info	PSW	1	52
└─> IPRSE_parseString	IBM_DEFT	CTBX	crfd	PSW	1	480
└─> IPRSE_getToken	IBM_DEFT	CTBX	crfc	PSW	1	28
└─> _ctype_b_loc	IBM_DEFT	CISO	ctype-info	PSW	1	2E
└─> return from __c	IBM_DEFT	CISO	ctype-info	PSW	1	52
└─> _ctype_b_loc	IBM_DEFT	CISO	ctype-info	PSW	1	2E
└─> return from __c	IBM_DEFT	CISO	ctype-info	PSW	1	52
└─> _ctype_b_loc	IBM_DEFT	CISO	ctype-info	PSW	1	2E
└─> return from __c	IBM_DEFT	CISO	ctype-info	PSW	1	52

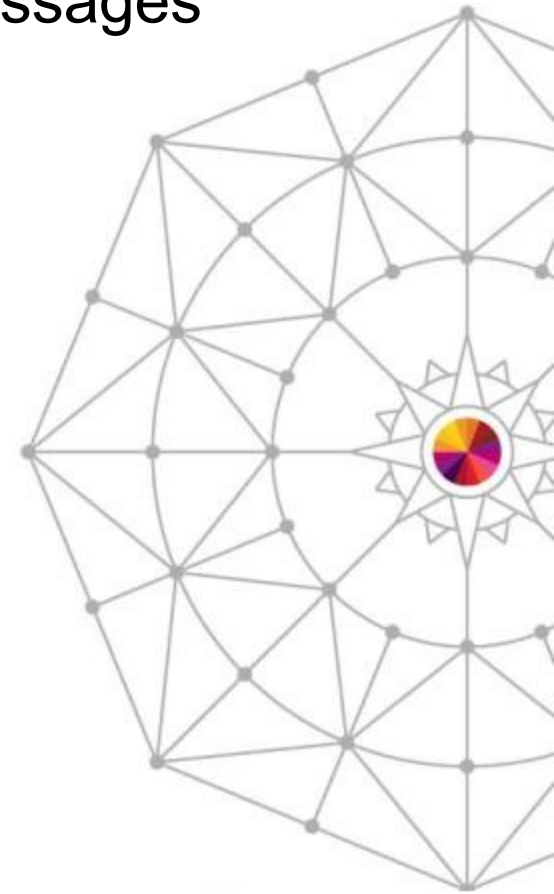
TPF Toolkit v4.next

- Code Coverage histogram tool



TPF Toolkit v4.next

- Administrative feature to send broadcast messages to all active TPF Toolkit clients
- Bug fixes, etc.



Questions?



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