IBM's System z Forum

CICS and Problem Determination Tools for z/OS update

*Learn about CICS Explorer and the PD Tools
Eclipse tooling enhancements*

Kenichi Yoshimura (kenichi@au1.ibm.com)

Architect, Problem Determination Tools Modernization
Development Manager, File Manager for z/OS

Australia Development Laboratory

IBM CICS Explorer – New Face of CICS

- CICS Transaction Servers enjoys 40+ years popularity as a transaction process software for large and small enterprises.

- Since V4.1, significant enhancements to modernize the user experience which improves productivity of seasoned system administrators & application developers, as well as new comers for CICS and z/OS environment.
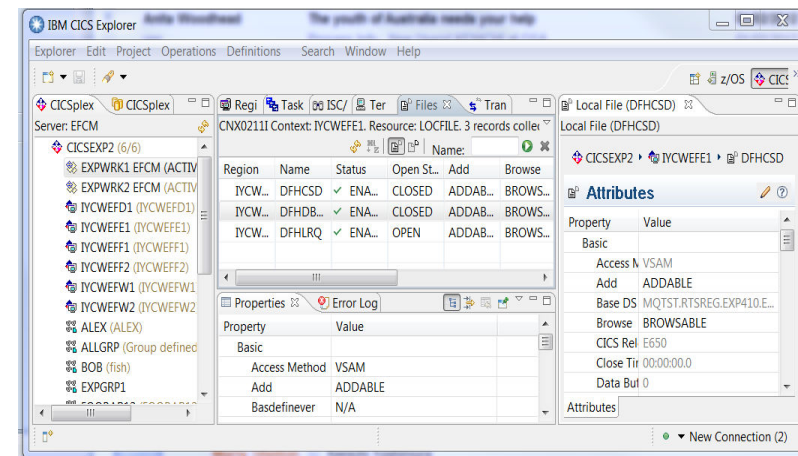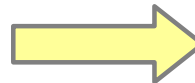
- Eclipse based user interface.

IBM CICS Explorer – Integrates IBM, vendors, and user tools

Daemon & Connection Status & Test

Transaction Gateway

Manipulate, browse z/OS data sets, z/FS, MQ

File Manager

CICS, IMS, DB2, & z/OS Abend Reporting & Diagnosis

Fault Analyzer

Session and user views, Configuration, Broadcast, User and Admin commands

Session Manager

Threadsafe, File, CPU, Response Time, Statistics, Alerts, Graphical and Sheet views

Performance Analyzer

Execution Tree Dependencies Queries Command Flow

Interdependency Analyzer

CICS, IMS, DB2, & z/OS Application Debugging

Debug Tool

CICS, IMS, DB2, & z/OS Observation Requests & Reporting

APA

Configuration Status Control, Test

MQ

CRUD/Install History, Audit Backout Search, Compare

Config Manager

Deployment, Discovery, Visualization, Cloning, Automation & Control
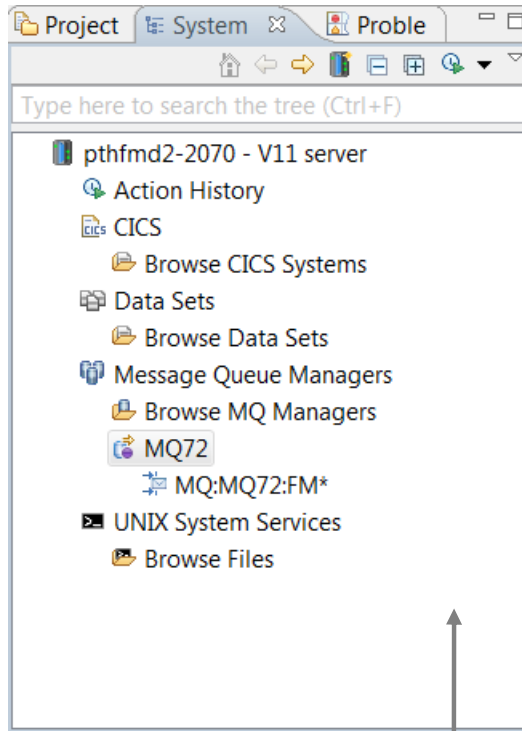
Deployment Assistant

Develop Test Etc

RDz

IBM CICS Explorer screenshot showing CICSplex views, Regions, Tasks, Files, and Local File (DFHCSD) attributes.

Example: File Manager plug-in

Project | System ⊠ | Proble

Type here to search the tree (Ctrl+F)

- pthfmd2-2070 - V11 server
  - Action History
  - CICS
    - Browse CICS Systems
  - Data Sets
    - Browse Data Sets
  - Message Queue Managers
    - Browse MQ Managers
    - MQ72
      - MQ:MQ72:FM*
  - UNIX System Services
    - Browse Files

Copy any combination of:
- CICS files, TD and TS queues
- MQ queues
- Data sets and USS files

Copy Wizard

Copy Basic Settings

Enter the resource to copy from and the resource to copy to

System

System: pthfmd2-2070   [Lookup]

Copy Source

Resource: FI:C62D2FM5:FMC5T1   [Lookup]

Volume:

Copy Destination

Resource: MQ:MQ72:FMN   [Lookup]

Volume:

| MQ:MQ72:fmn.regtest.lowercase |
| MQ:MQ72:FMN.MQBLAH |
| MQ:MQ72:FMN.MQL200 |
| MQ:MQ72:FMN.MQL4K |
| MQ:MQ72:FMN.MQTESTQE |
| MQ:MQ72:FMN.MQTESTQ1 |
| MQ:MQ72:FMN.PFM04752.G1 |
| MQ:MQ72:FMN.PFM04752.T1 |
| MQ:MQ72:FMN.PFM04752.T2 |
| MQ:MQ72:FMN.PFM04752.T3 |
| MQ:MQ72:FMN.PFM04752.T4 |

System: pthfmd2-2070
Manager Name: MQ72
Queue name: 0

Lookup resources to browse and manipulate
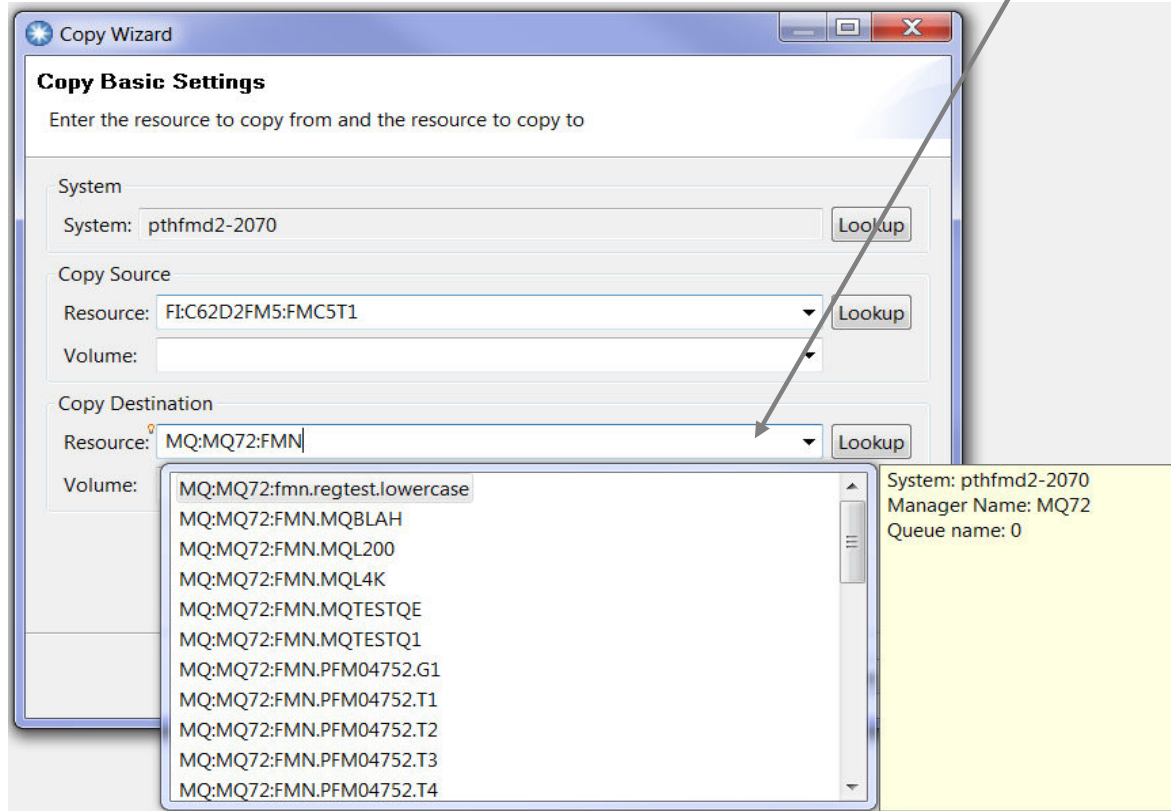
IBM Problem Determination Tools Wins Top Spot Software Strategies Analyst Report, 2011

2011 Strategic Comparative Assessment z/OS® PDT Suites

Figure 10:
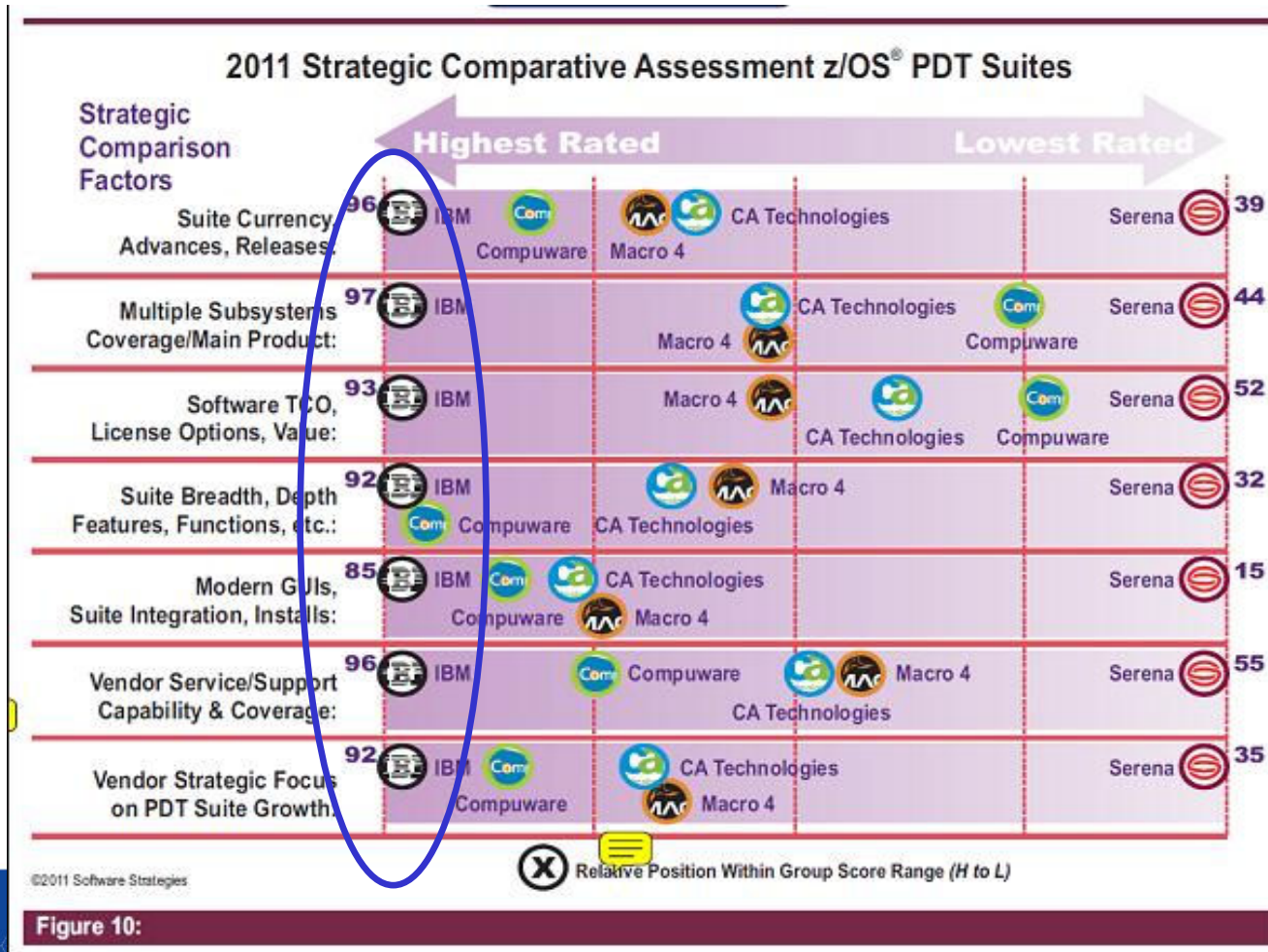
ADL and Lab Advocacy Program

- IBM Software Group development laboratory in Australia since 2006.

- A broad range of technical expertise in System z, security, web technology, Linux and much more.

- Lab advocacy program – having a friend in IBM development organisation:
  - Offered free of charge.
  - Having direct access to and ongoing relationship with IBM's technical leaders.
  - Help you understand IBM strategy and navigate IBM.
  - We (software developers) would like to understand your business and requirements better.

ADL and Lab Advocacy Program
 - Potential topics for discussion

- Strategic:
  - Eclipse based tools (eg. CICS Explorer) versus web based tools (eg. z/OSMF).
  - Where should PD Tools fit and what you like/don't like about them?

- Sharing practical experiences:
  - Deploying Rational Team Concert for mainframe application development.

- Technical vitality:
  - Master the mainframe contest in Australia since 2009 which attracted around 400 students each year.
  - What can we do more to help?

IBM Australia Development Laboratory

made in ibm labs

Thank you!

Any Questions?

Kenichi Yoshimura (kenichi@au1.ibm.com)

Architect, Problem Determination Tools Modernization
Development Manager, File Manager for z/OS

Australia Development Laboratory

IBM.