CICS Explorer

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12426

http://www.linkedin.com/pub/matthew-webster/31/b09/b16
CICS Explorer

Looking for new ways to accelerate the transfer of knowledge, skills, and best practice to the next generation of technical staff/experts? The CICS Explorer provides task-oriented views, powerful context-sensitive resource editors, and integrated access to broad range of data and control capabilities for CICS TS. CICS Explorer V5.1 has been restructured to separate the CICS-specific perspectives and capabilities from the connectivity infrastructure and z/OS platform views to create greater consistency across CICS, CICS Tools other embedding IBM products. This session provides an introduction to the CICS Explorer as well as diving into some of the key enhancements in the latest release.
CICS Cloud Enablement

Monday
  1:30 PM  CICS TS V5.1 Technical Overview

Tuesday
  9:30 AM  CICS and the Cloud, Mobile and Big Data
  11:00 AM Reinventing the CICS Application Lifecycle
  1:30 PM  CICS as a Platform Service Provider

Wednesday

Thursday
  12:15 PM  CICS Explorer
  4:30 PM  Modernizing CICS - Hands on Lab, Part 1 of 2
  6:00 PM  Modernizing CICS - Hands on Lab Part 2 of 2

Friday
How to install CICS Explorer

• Basic
  – Download from our website: www.ibm.com/cics/explorer
  – Comes with RD/z 8.0.3 (1.1.1)

• Advanced
  – More installation solutions described later!

• Supported platforms
  – Windows – most flavours
  – Linux – RHEL v5 & v6 32/64-bit, SLES 10 & 11 32/64-bit
Introductory Demo
CICS SM Perspective
## Browse

![Software interface screenshot with a table of data]


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Complete your sessions evaluation online at SHARE.org/SanFranciscoEval
Create

Create Program Definition

- CICSplex: CICSEXP3
- Region (CSD): 
- Resource Group: ZTU
- Name: ADDER
- Description: 

Program Type
- Assembler, C/C++, COBOL, or PL/I
- Java
  - Service Name: com.ibm.cics.Demo
  - JVM Server: JVM1

- Open editor

<Back  Next >  Cancel  Finish
Edit

Program Definition (ZTU) ZTU

Overview

**Overview**

- CICSEXP3 → ZTU

**Basic**

- Name: ZTU
- Description: ZTU
- Version: 1
- Created: 28-Sep-2012 02:15:31
- Enabled: Checked
- Changed: 28-Sep-2012 02:15:31

**Details**

- Language: N/A
- Display Execution Diagnostic Facility (EDF) screens

**Open Transaction Environment**

Programs that are coded to thread-safe standards can exploit the CICS open transaction environment (OTE). OTE provides the opportunity for performance improvements and tolerance of APIs that are not normally permitted in a CICS application program.

- This Program is thread-safe
- This Program is CPU intensive, which might include threadsafe CICS commands, and issues few non-threadsafe CICS commands, or uses APIs that are not normally permitted by CICS
- This Program
  - * is only run on versions of CICS later than v4.1
  - * issues many external resource manager calls
  - * only uses APIs that are always permitted by CICS

**Storage**

- Can handle 31 bit addresses (above the 16MB line)

**Attributes**

Property | Value
--- | ---
CSDGroup | ZTU
Description | ZTU
Name | ZTU
Version | 1

**Definition Signature**

- Change Agent: DREPAPI
- Change Release: 0680
- Change Time: 28-Sep-2012 02:15:31
- Change User ID: CICSUSER
- Create Time: 28-Sep-2012 02:15:31

**Details**

- Api: CICSAPI
- Cedf: YES
- Concurrency: REQUIRED
- Datolocation: BELOW
- Execkey: CICS
- Language: N_A
- Reload: NO
- Resident: NO
- Status: ENABLED

Overview | Remote | Java™ | Attributes
--- | --- | --- | ---
Lifecycle

Perform INSTALL Operation

INSTALL operation will be performed on 1 items in the execution queue

CICSplex: CICSEXP3
Target:
- PLATGRP3 (App)
- PLATGRP4 (Data)
- PLAT2GR2 (Part)
- RETAIL (RETAIL/
- WUIGRP (Group)
- IYCWEHE1 (IYC
- IYCWEHEF1 (IYC
- IYCWEHG1 (IYC
- IYCWEH1 (IYC
- IYCWEHW1 (IYC
- IYCWEHW2 (IYC

Perform DISABLE Operation

DISABLE operation will be performed on 7 items in the execution queue

Action Summary
Name:
- DISABLE
Parameters:
- N/A

CEESRABS
CEESRATH
CEESRATN
CEESRCJG
CEESRCOS
CEESRCSH
CEESRDVD

Cancel
OK
Datasets and Unix Files
Job output
z/OS + CICS
End of Introductory Demo
CICS Explorer Releases

• Previous: CICS Explorer 1.1.1
  – 11th May 2012

• Current CICS Explorer 5.1
  – December 14th 2012
  – Same branding as CICS TS

Let's look at some of the new functionality for 2012
New Functionality Demos
Simplified Connections UI

- Connections organised by category
- View state of all connections simultaneously
- Improved connection management
- Better visibility of credentials
Improved connection management

- Export connections to XML file (not new)
- Import connections from existing XML file (not new)
- Deploy CICS Explorer with preconfigured connections
  - connections.prefs
- Load connections from network drive/share
- Load connections from webserver
Hosting connections from CICS

- Export connections to HFS
  - Region must have read + execute permissions on file & parents
- TCPIP Service
  - PORT=<MYPORT>
- URI Map
  - HFSFILE=/path/to/connections.prefs
  - Scheme=HTTP
  - Tcpipservice=<TCPIPS NAME>
  - Path=/pathormapto.prefs
- Load → http://myhost.com:<MYPORT>/pathormapto.prefs
Resource Group Editors

- Show resource group members
- Broken down by type
- Works for BAS and for CSD
- Can open editors for individual definitions

- All editors have improved actions button
  - Can install resource groups directly from the editor
New From...

- Create a definition based on another definition
- Existing attributes are copied to the new definition
  - Not limited only to visible attributes
- Definition can be tailored in the editor
Copy to clipboard

- Multi-select
- Ctrl + C or Right Click → Copy
- Definitions copied to clipboard as CSV
- Can paste into text editor or spreadsheet
- Visible columns copied
- Great for reporting
Export to z/OS

- Export to files to HFS
z/OS Enhancements

- Multi-select delete jobs/hfsfiles/datasets
- Create files/folders on HFS
- Create datasets
z/OSMF

- Provides a RESTful interface to z/OS jobs
- Allows us to view active jobs
- Linked with an FTP connection to provide simultaneous access to HFS files and datasets
Improved SSL support

• Less ambiguous SSL behaviour
• Validate server identity based on certificate
• Certificates stored in a local keystore
• Framework extensible by connections framework plugins
Java web start

- Utility for launching web-hosted Java applications
- Built into the JVM
- CICS Explorer is supported in a web start environment
  - (Windows only)

- Guide to how to prepare CICS Explorer to be started over web start
  - Deploy CICS Explorer using java web start
CICS Explorer SDK

- Not new but little known about
- Install CICS Explorer as a plugin into existing eclipse installations
- Can install by pointing eclipse at
  - A downloaded zip of the plugin
  - Our **new** composite update site

- Prereqs
  - Eclipse 3.6.2 full SDK
  - OGSi requires JDT
  - Liberty profile requires WST

- Missing dependencies automatically satisfied by eclipse
Installation Manager module

- CICS Explorer release now includes an installation manager module

- Use to install CICS Explorer SDK into an existing Installation Manager managed deployment
  - e.g. RSA, RTC

- Warning: don't use to update CICS Explorer in RD/z!
WAS Liberty Profile Tooling

- WAS Liberty profile included in CICS TS 5.1 open beta
- CICS Explorer includes samples deployable to WAS Liberty Profile
- Servlet 3.0 API provided as an eclipse library
WAS Liberty Profile Tooling
Extending CICS Explorer

- SDK includes sample connection implementation
- Integrate your host component with connection/credentials management
- Roll your plugin out with your CICS Explorer installation
Questions?

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