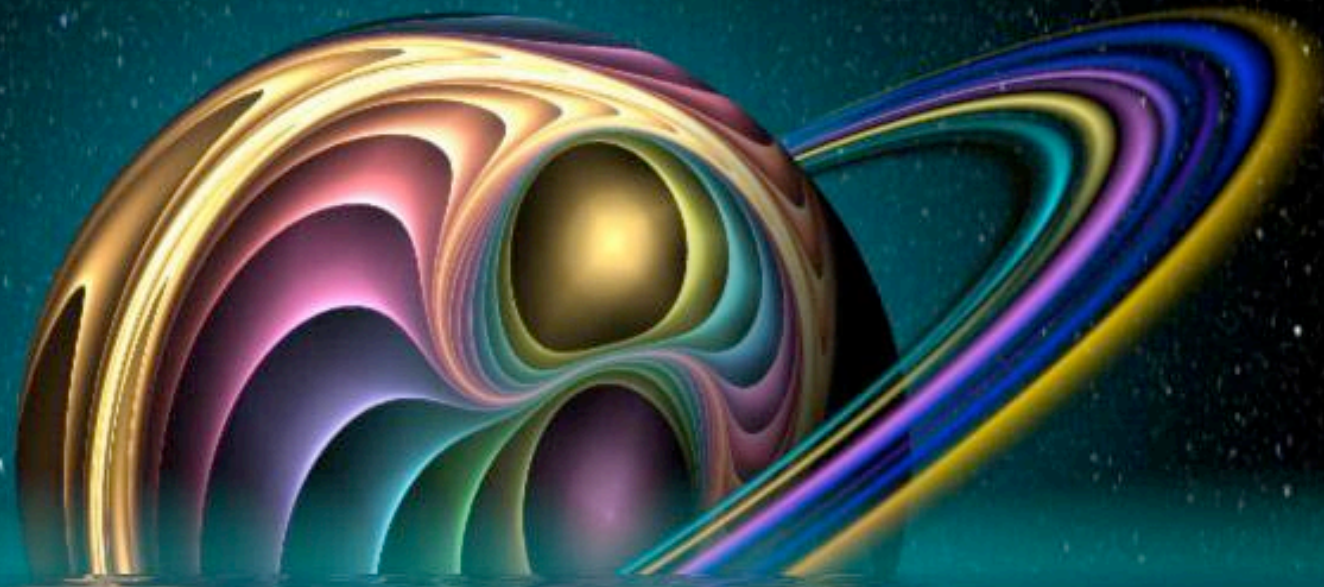


IBM CICS Explorer Progress Report

User Experience and What's New



SHARE Boston Summer 2010

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Session Objectives

- What is CICS Explorer?
- Why Use Explorer?
- Installation, Configuration, and Upgrade
- Navigation
- IBM Update
 - CICS Explorer & CICS Tools – What's New
 - CICS Explorer: Integration Platform
- IBM YouTube Resources
- Summary

What is CICS Explorer?



IBM (YouTube.com)

[New Face CICS - The CICS Explorer](#)

- New graphical tooling interface for CICS that Provides
 - Significantly enhanced levels of usability and integration.
 - Ability to create customizable task-oriented views
 - Single view of CICS tools
 - Rich set of CICS views
- CICS Releases and Availability
 - CICS TS V3.1 (Free IBM SupportPac PTFs Required)
 - CICS TS V3.2 (Free IBM SupportPac PTF Required)
 - CICS TS V4.1 (Free orderable component)
 - IBM has “no plans to make this a chargeable product”

Why Use CICS Explorer?

- **Capabilities**
 - Currently CICS Explorer can NOT be used to perform Administration Functions when connecting to a CICS TS v3.x Region
- For Shops that have CICS Tools, Explorer provides an integrated view
- Even for Shops without CICS Tools, Explorer can provide an integrated view of their Cross LPAR CICS Environment
- **IBM Direction**
 - IBM has made a significant commitment to Explorer
 - They are hoping to expand/enhance it at 90 day intervals
 - IBM has setup an Explorer Forum, for users to comment and request enhancements
 - [CICS Explorer forum](#)
 - From a Changing workforce perspective, IBM feels that Explorer will help shorten the learning curve for new IT Professionals

Installation, Configuration, & Upgrade

- IBM CICS Explorer Download Site and Options

- <http://www-01.ibm.com/software/hcp/cics/explorer/download/>

Offering	Platform	Format
<input type="radio"/> CICS Explorer for CICS TS Version 3	Linux Windows	download
<input type="radio"/> CICS Explorer for CICS TS Version 4.1	Linux Windows	download
<input type="radio"/> CICS Explorer plug-in for CICS Configuration Manager Version 2.1	Linux Windows	download
<input type="radio"/> CICS Explorer plug-in for CICS Interdependency Analyzer Version 3.1	Linux Windows	download
<input type="radio"/> CICS Explorer plug-in for CICS Performance Analyzer Version 3.1	Linux Windows	download

- Downloads are Specific to CICS TS V3 and CICS TS V4
- You can also download the most current versions of the CICS Explorer Tool Plug-ins

- After the Client and any appropriate Plug-ins are installed you can setup connections to Any/All of the following:

- CICSplex WUI's on multiple LPARs
- CICS (CM) Configuration Manager Tool
- CICS (PA) Performance Analyzer Tool
- CICS (IA) Interdependency Analyzer Tool

Note: Since Explorer is Eclipse based ANY vendor could supply a plug-in for it

Installation, Configuration, & Upgrade

- CICS Explorer Eclipse Workspace
 - Default Location: "C:\Documents And Settings\username\.cicsexplorer"
 - You can have more than one instance of CICS Explorer running at the same time.
 - Each instance must have its own workspace, so additional instances of CICS Explorer must be started from a command line with the workspace name as a data parameter.
 - Example to start a new instance from a command line
 - » Change to the directory folder cicsexplorer.exe is installed in
 - » Type the following command:

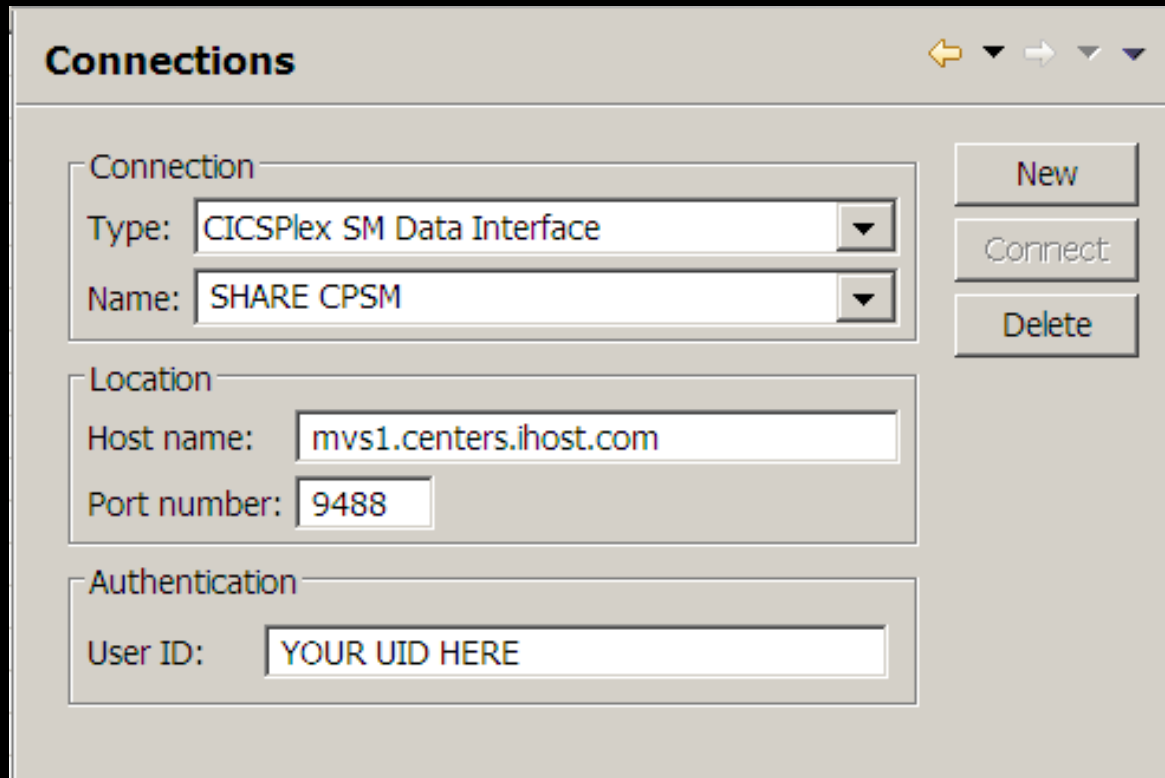
```
cicsexplorer.exe -data "C:\Documents And Settings\username\.cicsexplorer2"
```

Note: This starts the new instance using a new workspace called .cicsexplorer2

Note: To preserve your views make sure that your CICS Explorer Workspaces are backed up

Installation, Configuration, & Upgrade

- Setting up the CICS WUI Connection
 - The README file details the steps
 - This is an example of a completed Connection definition:

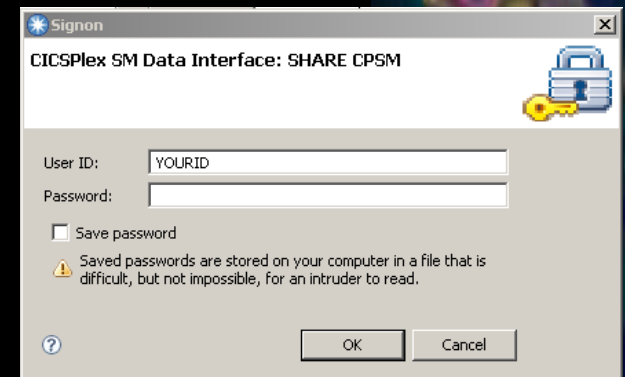


The screenshot shows a 'Connections' window with the following fields and buttons:

- Connection:**
 - Type: CICSPlex SM Data Interface
 - Name: SHARE CPSM
- Location:**
 - Host name: mvs1.centers.ihost.com
 - Port number: 9488
- Authentication:**
 - User ID: YOUR UID HERE
- Buttons:** New, Connect, Delete

Signon Screen Example:

If your Passwords change periodically, you may want to leave the "Save password" box unchecked.



The screenshot shows a 'Signon' dialog box for 'CICSPlex SM Data Interface: SHARE CPSM' with the following fields and options:

- User ID: YOURID
- Password: [Redacted]
- Save password
- Warning: Saved passwords are stored on your computer in a file that is difficult, but not impossible, for an intruder to read.
- Buttons: OK, Cancel

Installation, Configuration, & Upgrade

- CICSPlex WUI Connections

- You connect via Explorer as a WUI User

- Authentication takes place just as if you were logged onto the WUI

- The Same Security rules apply

- Explorer “respects” the WUI DEFAULTWARNCT

- CICS Explorer will not let you exceed DEFAULTWARNCT. You will see the following in the Lower Left-hand corner of the screen:



- CICS Explorer will not display any information (ex: Terminal Details) till you filter to a result set that is smaller than the WUI DEFAULTWARNCT

Installation, Configuration, & Upgrade

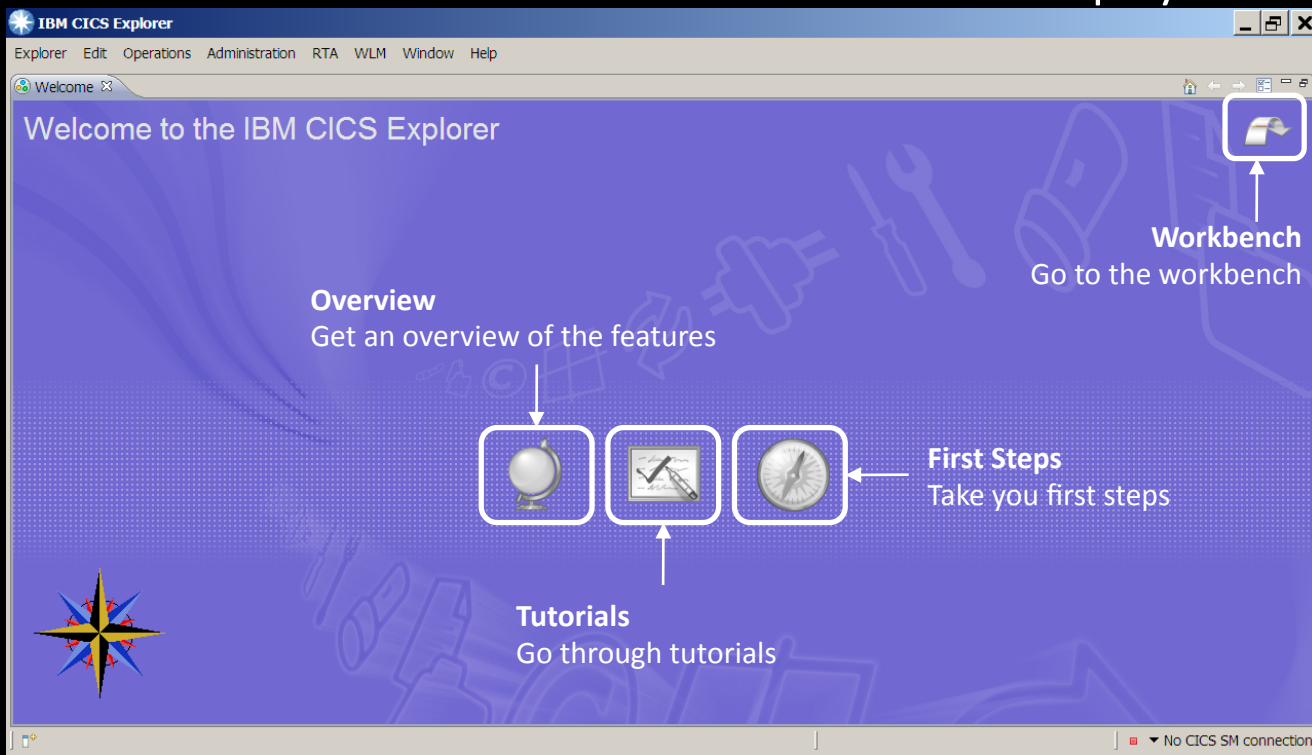
- Applying Maintenance and/or Upgrading an existing Copy
 - Go to IBM's Fix Central Site <http://www.ibm.com/support/fixcentral/>
 - You will be asked to provide the Following Information:

A screenshot of a web form for selecting software fixes. The form has four dropdown menus: 'Product Group' with 'WebSphere' selected, 'Product' with 'CICS Explorer' selected, 'Installed Version' with '1.0.0.6' selected, and 'Platform' with 'Windows 32-bit, x86' selected. At the bottom left of the form is a blue button with a right-pointing arrow and the text 'Continue'.

- You will be asked if you want All Fixes, Specific Fixes, etc.
- You can then download a zipfile containing the fixes you specified.
- Follow the instructions in the associated README file to install

Navigation *(Welcome View)*

- Starting Explorer for the first time
 - The workbench starts and the Welcome View is displayed



- Click on an icon to go to the desired Explorer target
- You can re-open the Welcome View at any time by clicking
 - Help > Welcome from the workbench menu bar.

Navigation (CPSM Default Perspective)

Explorer View - Only View that can't be moved

Individual Resource Tabs

Perspective Selection

Explorer
Control the
Scope of
Resources
Being Viewed

Repo View
CICSGRP(s)
and
CICSSYS(s)
Def's. Can
also be used
to Control
Scope

Event Tab
View System
Events

The screenshot displays the IBM CICS Explorer application window. The Explorer View on the left shows a tree structure of resources under 'Server: CPM1', including 'CICSLAB (2/10)' and 'WUIPLEX (1/31)'. The main pane shows a table of resources with columns: Region, Job Name, MVS System, Task Count, CICS Status, CICS TS L..., Total CPU, Page In C..., Page Out ..., and I/O Count. The Events tab at the bottom shows a table with columns: Name, Target, Severity, Priority, Event Type, Detail, View, Resource ..., Resource ..., and Description.

Region	Job Name	MVS System	Task Count	CICS Status	CICS TS L...	Total CPU	Page In C...	Page Out ...	I/O Count
CICSS01B	CICSS01B	S1	3	✓ ACTIVE	040100	0000:01:3...	1	0	11393
CICSS01D	CICSS01D	S1	3	✓ ACTIVE	040100	0000:01:0...	16	0	8644

Navigation (Zoom in and Out)

- Zoom In/Out of a View
 - Double Click the View Tab to Zoom in or Back out of a view

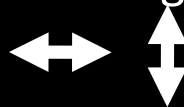
The screenshot displays the IBM CICS Explorer interface. On the left, a tree view shows the hierarchy of CICS resources, including WUI01A through WUI21L. The main window shows a summary view of CICS resources with columns for Region, Name, Status, and ENAI. A second window, titled 'IBM CICS Explorer', shows a detailed view of the same resources with additional columns: Use Count, Concurrent Use, Language, Share Status, CEDF Status, and NEWCOPY Status. Two large red arrows are overlaid on the image: one pointing from the summary view to the detailed view, and another pointing from the detailed view back to the summary view, illustrating the zoom in and out navigation.

Region	Name	Status	Use Count	Concurrent Use	Language	Share Status	CEDF Status	NEWCOPY Status
CICSS01B	EYUTXLPD	✓ ENAI	1	1	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9BA01	✓ ENAI	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9CM01	✓ ENAI	1	1	ASSEMBLER	SHARED	NOCEDF	NOTREQUIRED
CICSS01B	EYU9DBG0	✓ ENAI	1	1	ASSEMBLER	SHARED	NOCEDF	NOTREQUIRED
CICSS01B	EYU9DBG1	✓ ENAI	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9DBG2	✓ ENAI	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9DBG	✓ ENAI	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9MN01	✓ ENAI	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9NA01	✓ ENAI	1	1	ASSEMBLER	SHARED	NOCEDF	NOTREQUIRED
CICSS01B	EYU9NLDC	✓ ENAI	1	1	ASSEMBLER	SHARED	NOCEDF	NOTREQUIRED
CICSS01B	EYU9NLDR	✓ ENAI	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9NLID	✓ ENAI	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9NLME	✓ ENAI	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9NLSO	✓ ENAI	1	1	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9NMST	✓ ENAI	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9NMT	✓ ENAI	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9NPS2	✓ ENAI	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9NPLM	✓ ENAI	1	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9NXRM	✓ ENAI	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9NXSD	✓ ENAI	1	1	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9NXSH	✓ ENAI	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9XS01	✓ ENAI	1	1	ASSEMBLER	SHARED	NOCEDF	NOTREQUIRED
CICSS01B	EYU9T501	✓ ENAI	1	1	ASSEMBLER	SHARED	NOCEDF	NOTREQUIRED
CICSS01B	EYU9WKEC	✓ ENAI	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9WM01	✓ ENAI	1	1	ASSEMBLER	SHARED	NOCEDF	NOTREQUIRED
CICSS01B	EYU9WRAM	✓ ENAI	1	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9XC01	✓ ENAI	1	1	ASSEMBLER	SHARED	NOCEDF	NOTREQUIRED
CICSS01B	EYU9XD01	✓ ENAI	1	1	ASSEMBLER	SHARED	NOCEDF	NOTREQUIRED
CICSS01B	EYU9XLAP	✓ ENAI	2	2	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9XLEV	✓ ENAI	2	1	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9XLGR	✓ ENAI	1	1	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED
CICSS01B	EYU9XLOP	✓ ENAI	2	2	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUIRED

Navigation *(Manipulating Views)*








- Resizing a View

- Float the Cursor over the inside edge of the view until it changes to a Double-Ended arrow.
- Drag the edge to the desired size



- Moving a View

- Position the Cursor on the Tab of the View you want to move
- Drag it to the area of the screen you want to position it in.
 - Your cursor will change to one of the following, indicating where the screen will be positioned.

Cursor	Where the View will be moved
	Position above the Current View (the View that is underneath the cursor)
	Position Below the Current View
	Position to the Right of the Current View
	Position to the Left of the Current View
	Stack: The View is stacked as a Tab in the Current View
	Restricted: Can't be positioned in Current Area
	Open a New Window. Drag outside the workbench to position in a new window. Note: Click on the New Window and Drag Back to position it back

Navigation *(Working with Columns)*

- Move Column - Click on Column and Drag to the Desired Location
- From the View Menu you can:

- Refresh the View
- Reset Columns
- Equalize Column Widths

- Customize Columns

- Choose filter attributes

The screenshot displays the IBM CICS Explorer interface. A table shows job details for CICS LAB (CICSLAB) with columns for Region, Job Name, MVS System ID, Task Count, CICS Status, CICS TS L..., Total CPU, and Page In Count. Two context menus are open: one over the table header with options like Refresh, Reset Columns, and Equalize Column Widths; another over the table content with a list of attributes for filtering, including Region, Job Name, MVS System ID, Task Count, CICS Status, Release, Total CPU, Page In Count, Page Out Count, and I/O Count. A 'Customize Columns - CICS RGN' dialog box is also visible, showing available attributes and current viewer columns.

Region	Job Name	MVS System ID	Task Count	CICS Status	CICS TS L...	Total CPU	Page In Count
CICSS01B	CICSS01B	S1	3	ACTIVE	040100	0000:01:3...	1
CICSS01D	CICSS01D	S1	2	ACTIVE	040100	0000:01:1...	16

Navigation *(Perform Operations Tasks)*

Right click on an individual entry to take Action on it.

Refresh View

Filter of EYU* Used

The screenshot displays the IBM CICS Explorer interface. On the left, a tree view shows the CICS system structure, including CICS LAB (2/10) and WUIPLEX (1/31). The main pane shows a table of program entries for the context 'CICSLAB. Resource: PROGRAM'. The table has columns for Region, Name, Status, Use Count, Concurrent Use, Language, Share Status, CEDF Status, and NEWCOPY Status. A context menu is open over the entry 'CICSS01B EYU9AEDF', showing options like 'Open', 'New Copy', 'Phase In', 'Discard', 'Enable', and 'Disable'. A search filter 'EYU*' is applied to the Name column. A red arrow points to the search filter, and another points to the refresh icon. A text box notes that grayed-out items are not functional in the current release.

Region	Name	Status	Use Count	Concurrent ...	Language	Share Status	CEDF Status	NEWCOPY S...
CICSS01B	EYUTXLP	ENABLED	1	1	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUI...
CICSS01B	EYU9AEDF	ENABLED	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUI...
CICSS01B	EYU9B...	ENABLED	1	1	ASSEMBLER	SHARED	NOCEDF	NOTREQUI...
CICSS01B	EYU...	DISABLED	1	1	ASSEMBLER	SHARED	NOCEDF	NOTREQUI...
CICSS01B	EYU...	DISABLED	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUI...
CICSS01B	EYU...	DISABLED	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUI...
CICSS01B	EYU...	DISABLED	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUI...
CICSS01B	EYU...	ENABLED	1	1	ASSEMBLER	SHARED	NOCEDF	NOTREQUI...
CICSS01B	EYU9N...	ENABLED	1	1	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUI...
CICSS01B	EYU9NLDR	ENABLED	1	1	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUI...
CICSS01B	EYU9NLID	ENABLED	1	1	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUI...
CICSS01B	EYU9NLME	ENABLED	1	1	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUI...
CICSS01B	EYU9NLST	ENABLED	1	1	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUI...
CICSS01B	EYU9NMST	ENABLED	0	0	ASSEMBLER	PRIVATE	NOCEDF	NOTREQUI...

Items that are Grayed out are not functional in the Current Release

Note: To Perform actions on Multiple Entries by doing Click, Shift, and Right Click

Navigation *(Working with Perspectives)*

Reset the Current Perspective's Defaults

Save the Current Display as a New Perspective

Using either one of these links allows access to the Perspective Selection Pop-up Window

Shows the Current Perspective

The screenshot shows the IBM CICS Explorer interface. The 'Open perspective' menu is open, with 'Other...' and 'CICS SM' options highlighted. A table of CICS resources is visible in the background.

System	Task Count	CICS Status	CICS TS L...	Total CPU	Page In C...	Page Out ...	I/O Count
CI	3	ACTIVE	040100	0000:01:3...	1	0	11393
CICSS01B	3	ACTIVE	040100	0000:01:1...	16	0	8644

IBM Update

CICS Explorer & CICS Tools – What's New

The screenshot displays the IBM CICS Explorer application window. The title bar reads "IBM CICS Explorer" and the menu bar includes "Explorer", "Edit", "Operations", and "Administr...". The main interface is divided into several panes:

- Left Pane:** A tree view showing the server hierarchy for "Server: WFCM". It lists various CICSplexes and jobs, including "DUMMY907 (0/0)", "JOEPLEX (0/0)", "L830PLEX (0/0)", "L830PLX2 (0/0)", "L830PLX3 (0/0)", "L830PLX4 (0/0)", "L830PLX5 (0/0)", "L918PLX1 (0/0)", "L923CPLX (0/0)", "L938PLX (0/0)", "SAMEDAY (34/108)", and "WFRW (0/1)".
- Top Right:** Navigation icons for "CICS IA", "CICS CM", "Resource", and "CICS SM".
- Center Pane:** A table titled "Regions" showing task details. The context is "CNX0211I Context: SAMEDAY. Resource: CICSRRGN. 34 records collected at 25-Sep-2009 13:28:40".
- Bottom Pane:** An "Events" log titled "CNX0211I Context: SAMEDAY. Resource: EVENT. 3 records collected at 25-Sep-2009 13:28:40".
- Status Bar:** At the bottom, it shows "CNX0100I Connected user IBM_USER to host winmvs2c.hursley.ibm.com on port 20664" and "SAMEDAY CMCI".

Region	Job Name	MVS Syste...	Task Count	CICS Status	CICS TS L...	Total CPU	Page In C...	Page Out ...	I/O Count
IYCDFC1	IYCDFC1	MV2I	3	✓ ACTIVE	020300	0000:00:39.0423	1264	10593	424704
IYCDFD1	IYCDFD1	MV2I	3	✓ ACTIVE	030100	0000:00:44.8205	760	10912	473664
IYCDFE1	IYCDFE1	MV2I	3	✓ ACTIVE	030200	0000:00:46.8310	3124	13369	513427
IYCDFF1	IYCDFF1	MV2I	3	✓ ACTIVE	040100	0000:00:48.3858	930	13196	541667
IYCDFF2	IYCDFF2	MV2I	3	✓ ACTIVE	040100	0000:00:38.8548	1441	13803	458188
IYCDFWM	IYCDFWM	MV2I	4	✓ ACTIVE	040100	0000:00:30.0545	3124	20718	57226
IYCWJFA3	IYCWJFA3	MV2C	8	✓ ACTIVE	040100	0000:00:50.5099	1158	17243	61343
IYCWJFC1	IYCWJFC1	MV2C	3	✓ ACTIVE	020300	0000:00:46.8398	83	4726	431351
IYCWJFD1	IYCWJFD1	MV2C	3	✓ ACTIVE	030100	0000:00:54.5904	64	2557	480089
IYCWJFE1	IYCWJFE1	MV2C	3	✓ ACTIVE	030200	0000:00:56.8545	431	10711	519101
IYCWJFF1	IYCWJFF1	MV2C	3	✓ ACTIVE	040100	0000:00:59.0063	265	10560	549326
IYCWJFK3	IYCWJFK3	MV2C	4	✓ ACTIVE	040100	0000:00:33.5263	459	17842	61909
IYCWJFS0	IYCWJFS0	MV2C	8	✓ ACTIVE	040100	0000:00:49.7168	1232	17367	60816
IYCWJFWD	IYCWJFWD	MV2C	4	✓ ACTIVE	040100	0000:00:35.7885	419	18486	60847
IYCWJFWI	IYCWJFWI	MV2C	5	✓ ACTIVE	040100	0000:00:34.9421	1172	17850	54196
IYCWJF...	IYCWJFWM	MV2C	6	✓ ACTIVE	040100	0000:00:52.7020	569	17381	58612
IYCWJFW1	IYCWJFW1	MV2C	6	✓ ACTIVE	040100	0000:00:52.6152	850	17541	60590
IYXJCC1	IYXJCC1	MV2D	3	✓ ACTIVE	020300	0000:01:41.6219	8983	11172	1073239
IYXJCCWM	IYXJCCWM	MV2D	4	✓ ACTIVE	020300	0000:01:23.8918	7277	15041	119688
IYXJDC1	IYXJDC1	MV2D	3	✓ ACTIVE	020300	0000:01:51.5957	8357	10867	1114953
IYXJDD1	IYXJDD1	MV2D	3	✓ ACTIVE	030100	0000:01:54.5612	7231	10993	1146046

Name	Target	Severity	Priority	Event Type	Detail	View	Resource T...	Resource N...	Description
!!SAMOPS	IYCWJDM2	VHS	1	SAM	NO	MQCON			MQCON ale...
!!SAMOPS	IYCWJK2	VHS	255	SAM	NO				Currently U...
!!SAMOPS	JTEST	VHS	255	SAM	NO				Currently U...

CICS Explorer: Integration Platform

- CICS Tools
 - CICS Interdependency Analyzer (IA)
 - CICS Configuration Manager (CM)
 - CICS Performance Analyzer (PA)
 - CICS Deployment Assistant (DA)
- CICS Transaction Gateway
- CS1Q: WebSphere MQ Explorer
- Tivoli OMEGAMON XE for CICS

CICS Configuration Manager

IBM CICS Explorer

Explorer Edit Operations Administration RTA WLM Window Help

CICS IA CICS CM Resource CICS SM

Configurations (6)

Name	CSD/Context
CMS41CSD	CICSTOOL.CPSM41.CICSTS41.D...
CTS32CSD	CICSTOOL.CPSM01.CICSTS32.D...
CTS41CSD	CICSTOOL.CICSTS41.DFHCS
YDZZ32F	CTS320P4.YDZZ32F.DFHCS
YDZZ41F	CICSIAD.YDZZ41F.DFHCS
TOOLPLX3	TOOLPLX3

Lists in (TOOLPLX3) (4)

- DUMBLIST
- REDESC2
- REST
- R1

Groups in (TOOLPLX3) (21)

- COMPGRP2
- DUMBGRP
- DUMBGRP2
- FOOGRP
- J5909270
- KAT
- KAT1
- RESGRP1
- RESTFUL
- TESTGRP1
- TESTGRP2
- TVT
- TVTTST5
- TVTTST6
- XXX

Transaction Definition (TEST)

Name	Version	Progra...	Create ...	Change ...	Descri...
TEST	3	TESTPROG	25-Sep-...	25-Sep-...	

Transaction Definition (TEST)

Overview

Basic

Name: TEST Description:

Version: 3 Created:

Enabled Changed: 25-Sep-2009 14:48:53

Details

Initial Program: Profile:

Task Work Area Size:

Storage

Clear task-lifetime storage on release to protect sensitive data

Task life-time storage can be located above 16MB line

Isolate user-key task-lifetime storage from other tasks' user-key programs

Obtain task storage in CICS-key

User Data

1: 2: 3:

Search Results Properties Error Log History

Resource History for TEST from earliest to latest entry

Revision	Time	Resource Name/After	Resource Type/
+	2009/09/25 14:48:53	TEST	TRANDEF

Overview Remote Termination Runtime Alias Recovery Attributes

CNX01001 Connected user IBM_USER to host winmvs2e.hursley.ibm.com on port 18990

Satish Tanna (CM 4.1)

CICS Interdependency Analyzer

The screenshot displays the IBM CICS Explorer application window. The main interface is divided into several panes:

- Queries:** Shows a tree view of resources including Supplied Samples, CICS, Command Flow, All tasks, TCB Mode changes, Tasks with a before modeswitch, Tasks with an after modeswitch, DB2, IMS, MQ, Natural, and User Queries.
- *Resources:** Displays a list of tasks under the TRANSID (MAIL) region, including TASKID (0000049C), TASKID (0057874C), and TASKID (0058481C).
- Programs:** Lists programs in the region, including ALIST, DB2TEST, DRIVERP, and various DSWDE, DSWFOR, DSWHR, DSWIT, and DSWOE programs.
- Used By:** Shows programs using the selected TASKID(0000049C) in all regions, currently showing 0 results.
- Command Flow:** Displays the command flow for TASKID(0000049C) under TRANSID (MAIL). It shows TCB Modes Used (QR (123)) and TCB Mode Switches. The command flow includes: Start of transactio, Getmain STORAGE, Ignore, Assign, Send CSQ4VD0, and Receive CSQ4VD0. Total commands: 123.

The status bar at the bottom indicates the user is CNX0100I Connected user WEBSTER to host winmvs2d.hursley.ibm.com on port 49100, and the current task is 2d (cicsia31).

CICS Performance Analyzer

The screenshot displays the IBM CICS Explorer Performance Analyzer interface. The main window shows transaction details for 'KD4C' on '23-09-2008' at '04:05:00.000'. The interface includes a Project Explorer on the left, a main view with Overview and Threadsafe sections, and a Problems pane at the bottom.

Transaction detail for: 23-09-2008, 04:05:00.000, A6POS3C4, KD4C

Overview:

- Threadsafe:
- CPU time:
- Response time:
- Storage:
- File usage:

Threadsafe: (averages)

11 transaction(s). 0 TCB mode switches (average). 0 DB2 requests. 159 File control requests. 0 MQ requests. 2 RMI requests.

CPU measurement	Time (a...	Count	%Ove...	%Rela...
Threadsafe:				
User CPU time	0.000700	1	100%	100%
CICS Key 8 TCB CPU time	0	0	-	-
J8 TCB CPU time	0	0	-	-
L8 TCB CPU time	0	0	-	-
S8 TCB CPU time	0	0	-	-
T8 TCB CPU time	0	0	-	-
X8 TCB CPU time	0	0	-	-
CICS Key 9 TCB CPU time	0	0	-	-

Problems

0 items

Description	Resource	Path	Location	Type

Address bar: /23-09-2008/04.05.00.000/A6POS3C4/KD4C

CICS Transaction Gateway

IBM CICS Explorer BETA

Explorer Edit Window Help

CICSplex Explorer Server: EFCM

- CICSEXP2 (5/5)
 - EXPWRK1 (ACTIVE)
 - EXPWRK2 (ACTIVE)
 - IYCWFE1 (IYCWFE1)
 - IYCWFE1 (IYCWFE1)
 - IYCWFE1 (IYCWFE1)
 - IYCWFE1 (IYCWFE1)
 - IYCWFE1 (IYCWFE1)
 - IYCWFE1 (IYCWFE1)
 - DUMMY907 (0/0)

CICS TG Explorer CNX0211I Context: CTG720L1 (2/2)

- CTG72L1Q
 - CTG720L1 (2/2)
 - IPICSRV1
 - IPICSRV2
 - CTG72L2Q
 - CTG720L2 (0/2)
 - IPICSRV1
 - IPICSRV2

Regions IPIC Connections

CNX0211I Context: IYCWFE1. Resource: IPCONN. 1 records collected at 10-Feb-2010 14:33:22

Region	Name	Port	TCP/IP Se...	Appl ID	Host	Connectio...	Service St...
IYCWFE1	72L1	-1	LUK1	CTG72L1	9.20.138.199	ACQUIRED	INSERV...

TCP/IP Services

CNX0211I Context: IYCWFE1. Resource: TCPIPS. 1 records collected at 10-Feb-2010 14:33:20

Region	Name	Port	Service Status	Num Of Con...	Backlog	IP Address	TS Queue P...	Socket Clos...
IYCWFE1	LUK1	1982	OPEN	1	1	9.20.138.199		WAIT

Gateway daemons CICS connections

CNX0211I Context: CTG720L1. Resource: Connection. 2 records collected at 10-Feb-2010 14:18:46

Server	Gateway	Protocol	Target	Default	AllocSess	FailSess	Comms...	Requests	Respo
IPICSRV1	CTG720L1	IPIC	winmvs2c.hursley.ibm.com:1972		0	0	0	2	19 ms
IPICSRV2	CTG720L1	IPIC	winmvs2c.hursley.ibm.com:1982		0	0	0	2	21 ms

Properties Console

Property	Value
Connections	
AllocSess	0
Applid	N/A
Applid	N/A
ApplidQ	N/A
CommsFail	0
ConnFail	0
Default	
FailSess	0
Gateway	CTG720L1
Idle	0
Lost	0

CTG720L2

CS1Q: WebSphere MQ Explorer

The screenshot displays the IBM CICS Explorer and WebSphere MQ Explorer interface. The top window, IBM CICS Explorer, shows a tree view of regions under REDBPlex (3/11), with REDDEV41 (IYDZEJ02) selected. The main pane shows a table of regions with the following data:

Region	Name	Connectst	Mqname	Mqqmgr	Mqrelease
REDDEV41	MQC	CONNECTED	QJ2F	QJ2F	0701

The bottom window, MQ Explorer - Navigator, shows a tree view of the IBM WebSphere MQ environment, with QJ2F on winmvs2f.hursley.ibm.com selected. The main pane shows a table of queues with the following data:

Queue name	Queue type	QSG disposition	Open input count	Open output count	Current que
CICS01.INITQ	Local	Queue manager	1	0	0
CSQ4SAMP.B1.MODEL	Model	Queue manager			
CSQ4SAMP.B2.INQUIRY	Local	Queue manager	0	0	0
CSQ4SAMP.B2.INQUIRY	Alias	Queue manager			
CSQ4SAMP	Local	Queue manager	0	0	0
CSQ4SAMP	Local	Queue manager	0	0	0
CSQ4SAMP	Local	Queue manager	0	0	0

A context menu is open over the CSQ4SAMP queue, showing options: Compare with..., Delete..., Clear Messages..., Put Test Message..., Browse Messages..., Create JMS Queue..., and Properties... The status bar at the bottom indicates 'CNX0100I Connected user BOB to host winmvs2f.hursley.ibm.com on port 8005' and 'REDTOOLS'.

OMEGAMON XE for CICS

CICS SM - Eclipse Platform

File Edit Navigate Search Project Operations Administration Field Assist Run AD Window Help

Open Editor

CICS SM Java

CICSplex Explorer Groups OMEGAMON Navigat

Server: IYK3ZJT4

JTPLEX2 (1/1)

IYK3ZJT4 (IYK3ZJT4)

Tasks Connections Terminals Files Transactions

CNX0211I Scope: IYK3ZJT4. Resource: TASK. 6 records collected at 27-Feb-2009 10:47:25

Region	Task ID	Transaction ID	Run Status	User ID	Terminal ID	LU Name	Priority	Class Name	Suspend Time
IYK3ZJT4	0000019	CONL	▶▶▶ RUNNING	JT1			255	DFHTCLO0	0000:00:00
IYK3ZJT4	0000028	COVG	▶▶ SUSPEN...	JT1			255	DFHTCLO0	0000:00:14
IYK3ZJT4	0000181	COIO	▶▶ SUSPEN...	JT1			255	DFHTCLO0	0000:00:00
IYK3ZJT4	0000182	COIE	▶▶ SUSPEN...	JT1			255	DFHTCLO0	0000:00:08
IYK3ZJT4	0000273	COVA	▶▶ SUSPEN...	JT1			150	DFHTCLO0	0000:00:00
IYK3ZJT4	0000295	COVP	▶▶ SUSPEN...	JT1			75	DFHTCLO0	0000:00:00

Regions

CNX0211I Scope: IYK3ZJT4. Resource: CICSRCN. 1 records collected at 27-Feb-2009 10:47:25

Region	Job Name	MVS System ID	Task Count	CICS Status	Release	Total CPU	Page In Count	Page Out Co...	I/O Count
IYK3ZJT4	WUIJT4A	MV2C	6	✓ ACTIVE	0650	0000:01:38...	1576	13543	12984

Events Properties Error Log Console OMEG Situation View OMEG Table View

Origin_Node	System_ID	CICS_Name	Transaction_ID	Task_Number	Termid	CICS_SYSIDNT	User_ID	Statu
MV2C.WUIJT4A	MV2C	WUIJT4A	CSOL	00004	n/a	JT4A	n/a	Activ
MV2C.WUIJT4A	MV2C	WUIJT4A	CSSY	00005	n/a	JT4A	n/a	Activ
MV2C.WUIJT4A	MV2C	WUIJT4A	CSSY	00006	n/a	JT4A	n/a	Activ
MV2C.WUIJT4A	MV2C	WUIJT4A	CSTP	00008	n/a	JT4A	n/a	Activ
MV2C.WUIJT4A	MV2C	WUIJT4A	CONL	00019	n/a	JT4A	JT1	Activ
MV2C.WUIJT4A	MV2C	WUIJT4A	CSSY	00020	n/a	JT4A	n/a	Activ
MV2C.WUIJT4A	MV2C	WUIJT4A	CSHQ	00022	n/a	JT4A	n/a	Activ
MV2C.WUIJT4A	MV2C	WUIJT4A	CSNE	00024	n/a	JT4A	n/a	Activ
MV2C.WUIJT4A	MV2C	WUIJT4A	CISR	00025	n/a	JT4A	n/a	Activ
MV2C.WUIJT4A	MV2C	WUIJT4A	CISE	00026	n/a	JT4A	n/a	Activ
MV2C.WUIJT4A	MV2C	WUIJT4A	COVG	00028	n/a	JT4A	JT1	Activ
MV2C.WUIJT4A	MV2C	WUIJT4A	COIO	00181	n/a	JT4A	JT1	Activ
MV2C.WUIJT4A	MV2C	WUIJT4A	COIE	00182	n/a	JT4A	JT1	Activ
MV2C.WUIJT4A	MV2C	WUIJT4A	COVA	00273	n/a	JT4A	JT1	Activ

Default WUI server from EYUDREP initialization

Ctrl Contrib (Bottom) JT Systems

CICS Explorer and CICS Tools using CICS SDK

By using the CICS Explorer SDK in conjunction with simple Eclipse extension mechanisms such as selection listeners and pop-up menu contributions the CICS Tools are able to integrate with a live CICS model and allow the user to create rich information perspectives.

Rational Developer for System z

The screenshot displays the IBM Rational Developer for System z interface. The main window is the Resource Definition Editor, which is divided into several sections: Target, Resources, Installation, and Export Definition. The Resources section contains a table of resource definitions.

Selection	Resource Name	Resource Type	Description	State
<input checked="" type="checkbox"/>	SFMFlow	SFMFlow	testSFM	Enable only
<input checked="" type="checkbox"/>	SFMPIPE	Pipeline	SFM pipeline	Enable only
<input checked="" type="checkbox"/>	FLOWPROC	ProcessType	Stock flow process	Edited
<input checked="" type="checkbox"/>	STOCKFLO		Stock flow program	Edited
<input checked="" type="checkbox"/>	STFL		Stock flow	Edited

Below the Resources section, there are buttons for 'Verify Existing Resources', 'Install Definitions', and 'Export Definitions'. The 'Installation' section has a checkbox for 'Overwrite if resources already exist'. The 'Export Definition' section has a checkbox for 'Overwrite if resources already exist'.

The CICS TS Explorer is visible in the bottom-left corner, showing a tree view of the CICS system. The CICS TS Explorer program list is shown in the bottom-right corner, displaying a list of programs and their status.

Program Name	Status
ACCTCHAN	ENABLED
ACCTTEST	ENABLED
ADNCRDR	ENABLED
ADNCRDS	ENABLED
ADNTMSGH	ENABLED
BACEDALP	ENABLED
BACEDAP	ENABLED
BALAB6P	ENABLED
BAWYMQ	ENABLED
BAWYMQP	ENABLED
BAIDPLP	ENABLED
CBCDEBUB	ENABLED
CHANNELIE	ENABLED

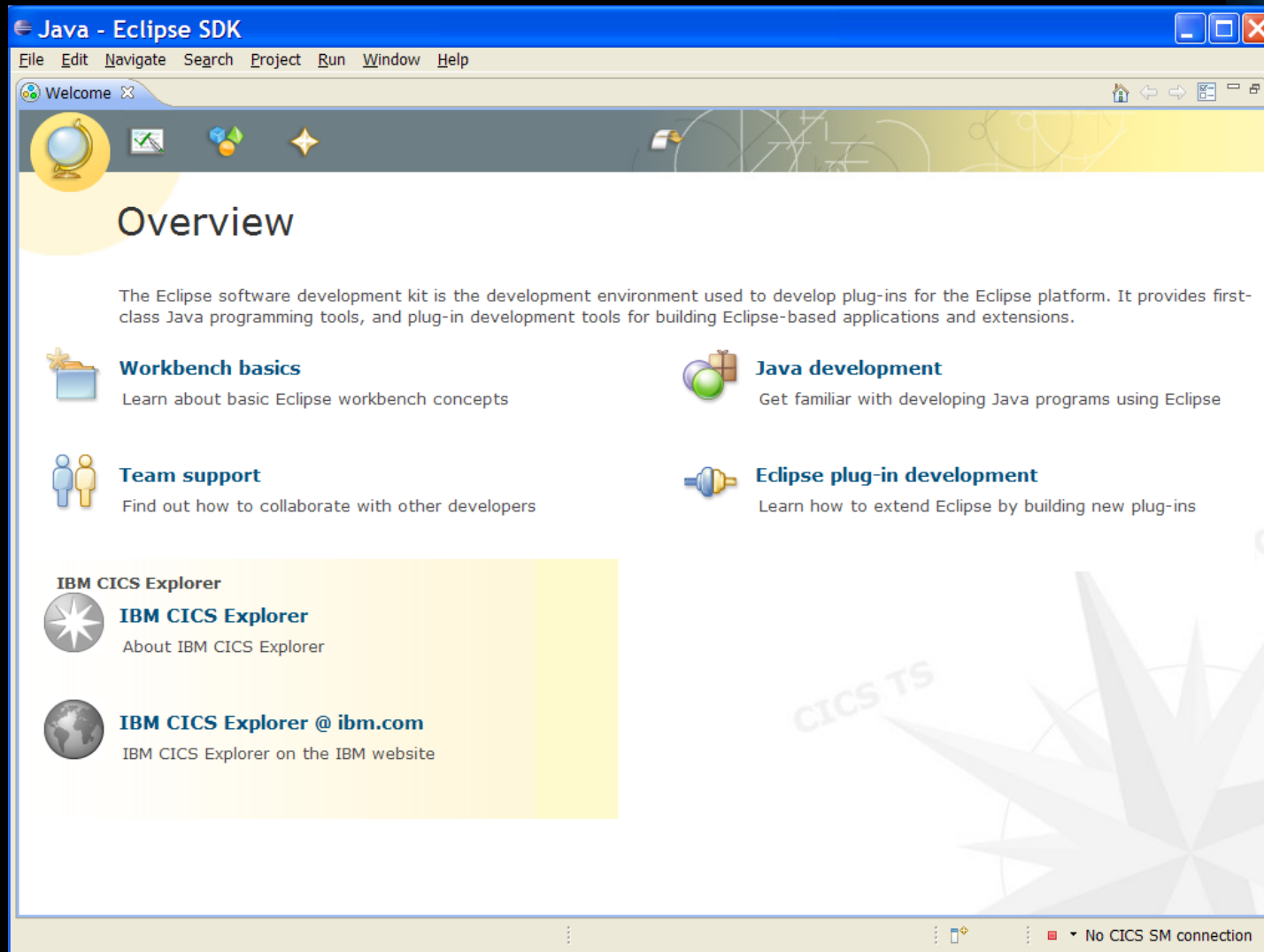
CICS TS Explorer
Region tree

CICS TS Explorer
Resource types

- programs
- transactions
- files
- RPL list

CICS TS Explorer
program list

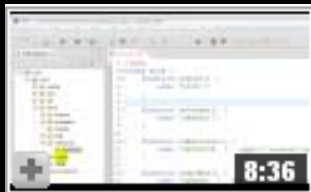
CICS Explorer SDK



IBM Resources on YouTube.com



[CICS Events and WebSphere Business Events](#)
[providing Insight in to](#)



[Taking CICS to mashups with the PHP SupportPac](#)



[CICS TS v4.1 Business Value](#)



[CICS TS v4.1 High Level Technical Overview](#)



[CICS Explorer Create sample plug in \(xvid 25fps\)](#)

CICS Explorer: Something for everyone

- Unified interface for larger V4 customers
 - Consistent access to CICS for SMSS, CICSplex and CICS CM
- Modern interface for smaller V4 customers
 - Full management capability without CICSplex SM
- Supported experience for V3 customers
 - Read-only access to CICSplex
- Integrated environment for CICS Tools customers
 - Seamless transition between views
- Extensible platform for 3rd parties
 - Extend Explorer or integrate existing capability with the SDK
- System Programmer or Application Developer
 - Systems Management and Operations
 - Event Processing
 - RDz integration
- Windows or Linux

Summary

- What is CICS Explorer?
- Why Use Explorer?
- Installation, Configuration, and Upgrade
- Navigation
- IBM Update
 - CICS Explorer & CICS Tools – What's New
 - CICS Explorer: Integration Platform
- IBM YouTube Resources
- Summary

