

### **CICS Transaction Server V4.1**

8514: CICS Explorer Update

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### Recent Announcements

IBM Software > Host Transaction Processing > CICS Family >

**CICS** Deployment Assistant

### CICS Deployment Assistant for z/OS

Discover, Model, Visualize, Automate, Deploy

Now Available

CICS Transaction Gateway 8.0



CICS Explorer

Extend the CICS Explorer: A bettter way to manage your CICS

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#### Overview

IBM CICS Explorer - New Face of CICS. Integration data, methods,



Looking for new and best practic Need to maintai Explorer and Sv

Now available

CICS Transaction Gateway (CICS TG), is IBM's market-leading Enterprise connector, production proven in over a thousand customers for enterprise modernization of CICS assets...

Download CICS Transaction Gateway

ions and security.

JEE standards-based acce

CICS TG delivers a high-performing, security-rich, and scalable method of SOA access to CICS, requiring minimal changes to CICS and usually no changes to CICS applications. This allows easy connectivity from a wide variety of environments, including Java, C. Microsoft .NET and COBOL runtimes.

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#### IBM Problem Determination Tools help modernize your application environment

IBM United States Software Announcement 210-308 October 5, 2010

ENUS210-308.PDF

#### Table of contents

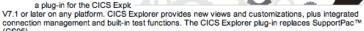
- Overview
- Key prerequisites
- Planned availability date
- Description
- Product positioning
- Program number

- Publications
- Technical information
- Ordering information
- Terms and conditions
- Prices
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#### ne reuse of existing CICS ap vices solutions hosted on px Rational Developer for System z

Utilizing the J2EE™ Connec Modern development tools for mainframe application development

ally no changes to existing C Fast enterprise application development ed connector access to CIC soft .NET and COBOL runtii and maintenance at lower cost open integration for 3rd part of channels and containers t s and further support for dep ments made to high availabil and improved Integration wit rability with the CICS Explore



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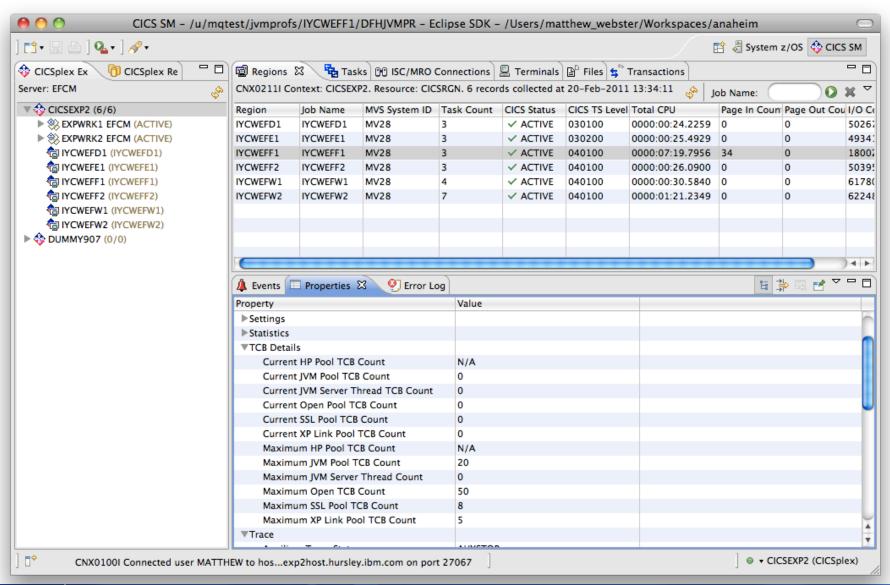


### **CICS** Explorer Milestones

- July 2007 Conception
- November 2008 SupportPac
  - The New Face of CICS
  - CICSPlex SM connectivity
  - CICS Tools Integration
- June 2009 CICS TS V4.1 GA
  - Full management capability with CICSPlex SM
  - Operations management of SMSS
  - Free supported feature for CICS TS V3
  - Event Processing
  - Explorer SDK
- September 2010 CICS Explorer V1.0.1
  - Management of selected z/OS resources
- **2011** 
  - Watch this space!

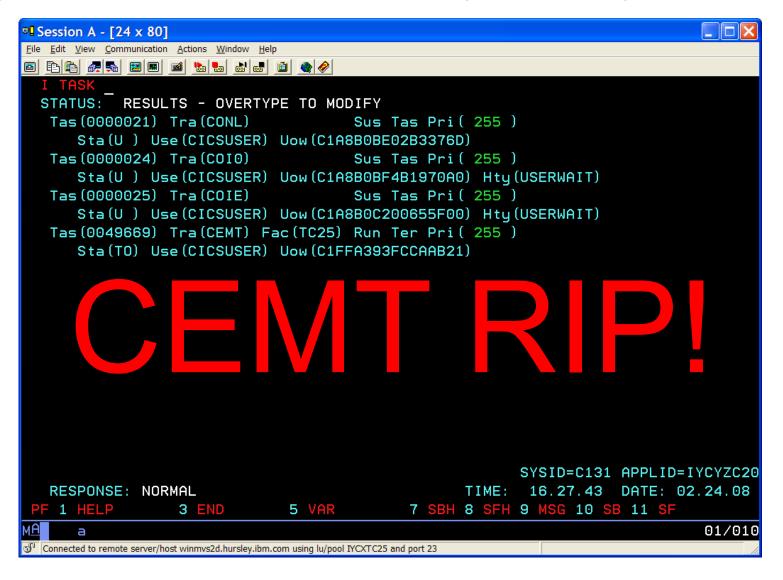


### CICS Explorer – Demonstration (SDK + Eclipse 3.6.1 + JRE)

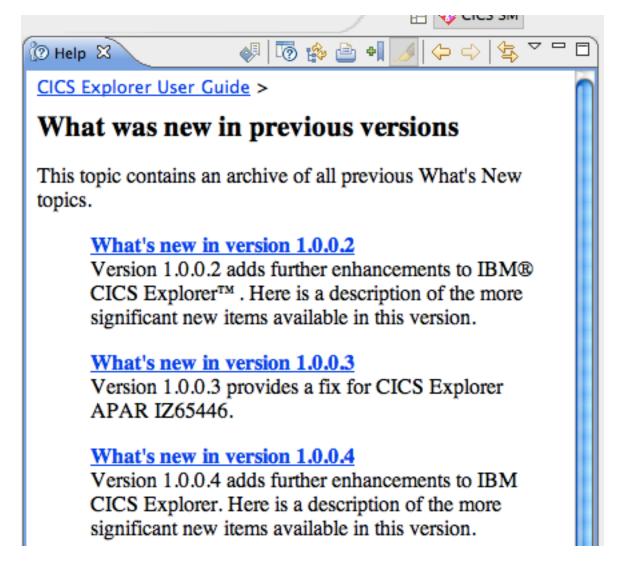




## Single Server Access from Explorer (over CMCI)







#### Version 1.0.0.2 & 1.0.0.4

- Ability to display resources in a CICS CSD file
- Ability to create resource definitions in a single CICS region
- Ability to copy and paste resource definitions
- Ability to add a group to, or remove a group from, a list
- Ability to append one list to another list

#### Version 1.0.0.5

- Workload management support
- Task associations

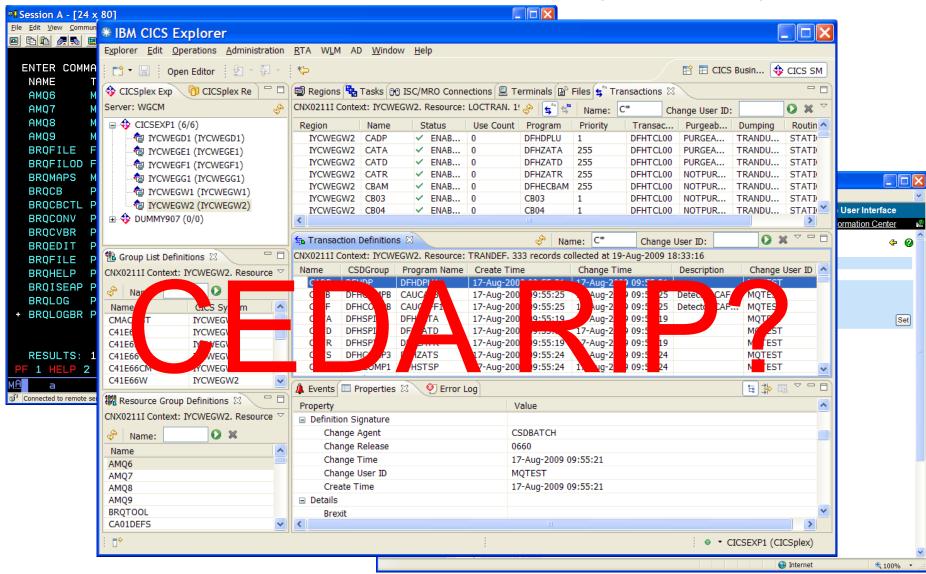
#### Version 1.0.0.7

New Connection Credentials page in the Preferences view

- New System z/OS perspective
- Ability to export and import system connection details
- Ability to view SIT parameters



# CSD Access from Explorer (over CMCI)



#### Version 1.0.0.2 & 1.0.0.4

- Ability to display resources in a CICS CSD file
- Ability to create resource definitions in a single CICS region
- Ability to copy and paste resource definitions
- Ability to add a group to, or remove a group from, a list
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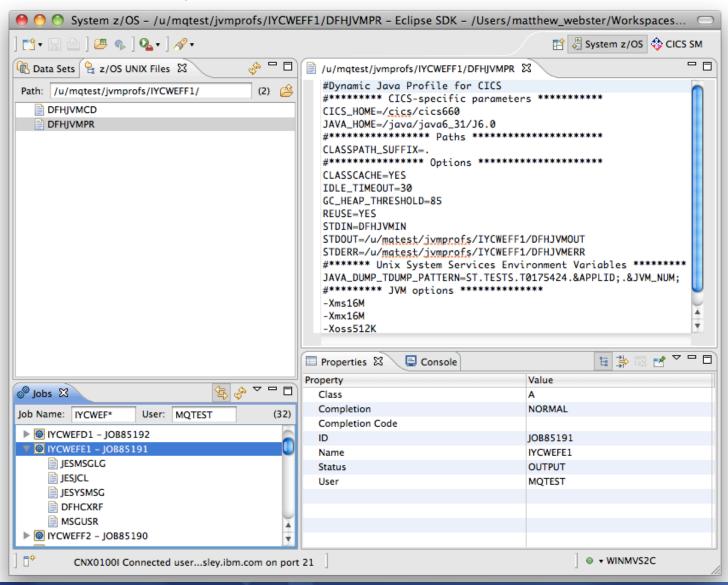
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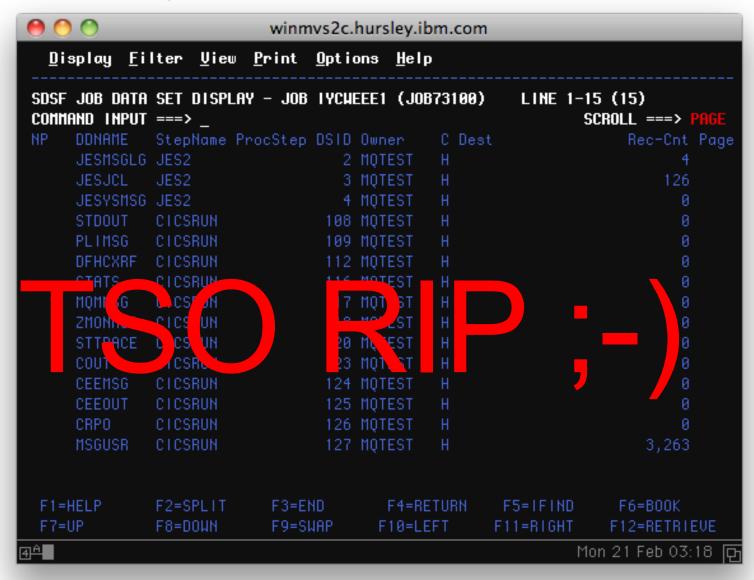


## CICS Explorer – System z/OS Perspective



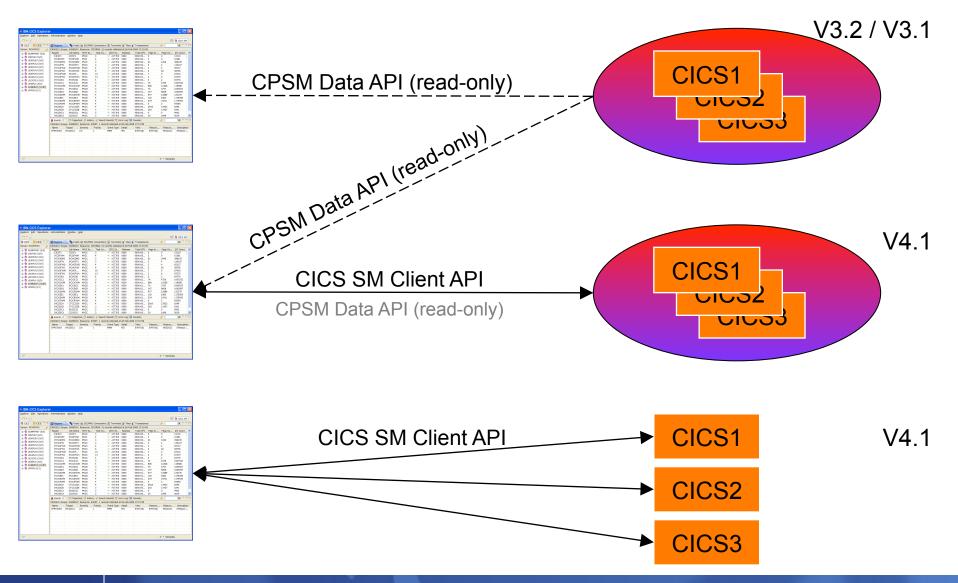


## CICS Explorer – System z/OS Perspective





### Connectivity





# Capability Matrix (GA) – CICSPlex SM

	Example	Views	Actions
Operations	Regions	Large subset (40+)	Enable / Disable, Discard,
Administration	Transaction Definitions	All Basic	Create, Update, Install, Delete, Add/Remove
Topology	CICSplex	Subset	Create
RTA Events	RTA Outstanding Events	Small subset	No
WLM	Active Workloads	Small subset	No
Monitoring	Active Monitor Specifications	N/A	N/A



# Capability Matrix (GA) – CICS (Single Server)

	Example	Views	Actions
Operations	Regions	Large subset (40+)	Enable / Disable, Discard,
Administration (Post-GA)	Transaction Definitions	All Basic	Create, Update, Install, Delete, Add/Remove
Topology	CICSplex	Subset	N/A
RTA Events	N/A	N/A	N/A
WLM	N/A	N/A	N/A
Monitoring	N/A	N/A	N/A



## Service and Update

- Explorer has been delivered at regular intervals to surface new capability and solicit feedback
  - CICS TS / CICS Explorer Beta: every 2 months
  - CICS Explorer Updates: September 2009, January 2010, October 2010
- We intend to continue delivering updates to Explorer (and CICS Tools) at least every 90 days
  - Exploit Post-GA capability e.g. CSD access
  - Surface capability for the broader platform
  - Usual bug fixes
- Each new code drop will supersede all previous and include both enhancements and service

### Distribution and Maintenance

#### Distribution

- ZIP (100MB) download for Windows & Linux
  - Includes Explorer, Eclipse RCP & JRE (IBM Java 6)
  - Used for new version/releases and initial install
  - Not ideal for large groups (see below) but great for getting started
- ZIP update site (10MB)
  - Explorer
  - Used to update initial install
  - Great for systems not Internet-connected and updates can be backed-out
- Update site
  - Explorer
  - Used to update initial install
  - Can be configured to happen automatically

#### Maintenance

- Each user can have a local installation e.g. C:\Program Files\CICS\_Explorer
- Multiple users can share a single installation from a read-only network drive
- Either installation can be managed using any mechanism above
- User settings and customizations are held locally
- More information about restricted user environments in a future white paper



## A Concept Realized

#### Single user interface for CICS & CICSPlex SM

- Provides enhanced (possibly complete) subset of existing CPSM Web UI functionality as well as CEMT,
   CEDA, ...
- Aimed at CICS system programmer, operator and application developer
- Designed for both new and experienced CICS users

#### Integration platform

- Enables consistent experience for users of CICS Tools, customer contributions and 3rd party applications
- Includes common set of icons, views and server access (including logon configuration) as well as integration framework for shared use cases
- Centrally managed and distributed using Eclipse Update Manager or shared network drive

#### Software Development Kit (SDK)

- Provides separately packaged plug-ins for any Eclipse-based environment including RDz
- API allows 3rd parties to extend or integration existing capability
- Layered architecture allows Eclipse-independent components to be used in any environment

#### Embracing, extending and enhancing capability of the CICSPlex SM WUI

- Familiar appearance & workflow for administration and operational tasks
- Leveraging Eclipse platform for customization and task-oriented interface
- Consistent definition repository access (DREP & CSD)

#### Reducing dependence on a 3270 interface

- CEMT capability for single server
- CEDA capability for single server and CICSplex
- TSO/ISPF capability via FTP for all users



## CICS Explorer – Integration Platform

### CICS Tools

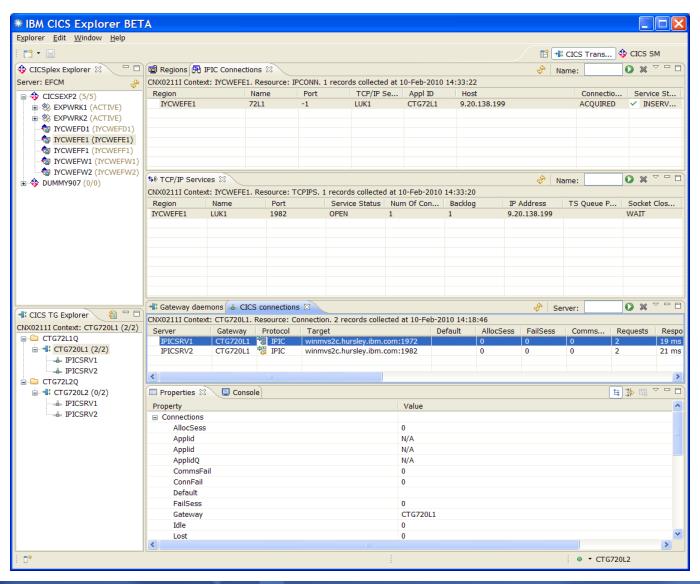
- CICS Interdependency Analyzer (IA)
- CICS Configuration Manager (CM)
- CICS Performance Analyzer (PA)
- CICS Deployment Assistant (DA)

### CICS PD Tools

- IBM Application Performance Analyzer
- IBM Debug Tool
- IBM Fault Analyzer
- CICS Transaction Gateway
- CS1Q: WebSphere MQ Explorer
- Tivoli OMEGAMON XE for CICS

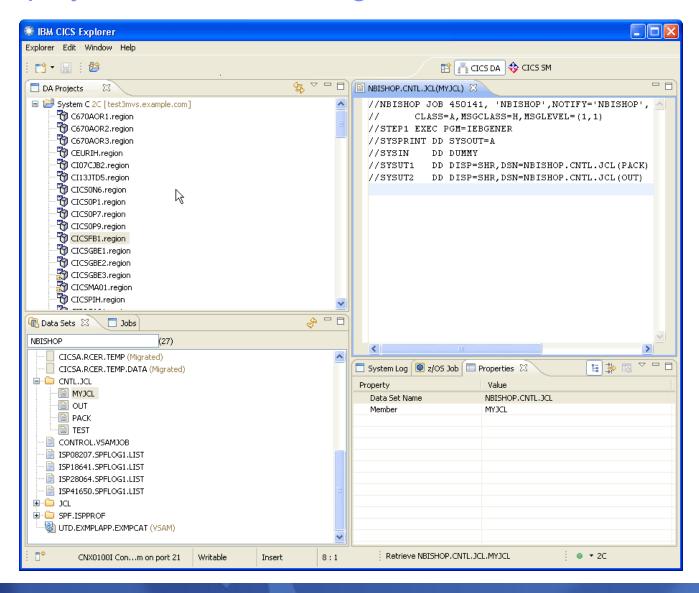


## **CICS Transaction Gateway Plug-in**





## **CICS** Deployment Assistant Plug-in



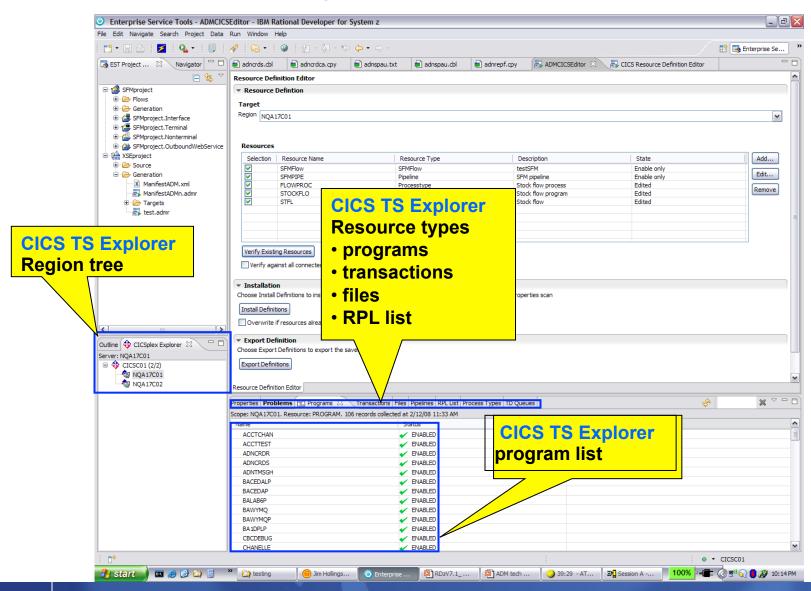


## CICS Explorer and CICS Tools using CICS Explorer SDK

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.

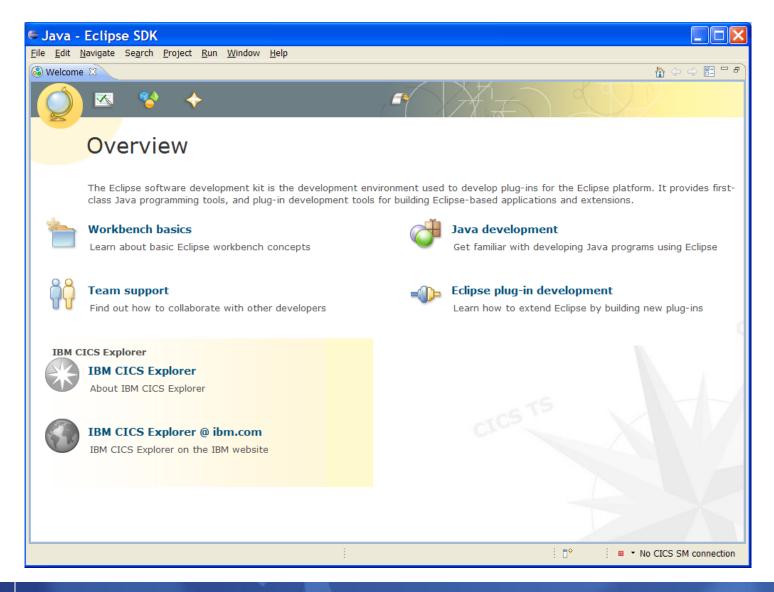


## Rational Developer for System z





## **CICS Explorer SDK**



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## CICS Explorer – Something for Everyone

#### Unified interface for larger V4 customers

- Consistent access to CICS for SMSS, CICSplex and CICS CM
- Management of selected z/OS resources

#### Modern interface for smaller V4 customers

- Full management capability without CICSPlex SM
- Management of selected z/OS resources

#### Supported experience for V3 customers

- Read-only access to CICSplex
- Management of selected z/OS resources

#### 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, Linux or Mac OS



## Questions

### Other Sessions

### Monday

8262: CICS TS 4.1 Technical Overview

### Tuesday

- 8265: CICS JVM Server

### Wednesday

- 8277: CICS and VSAM RLS User Experience
- 8276: <u>CICS High Availability</u>

### Thursday

- 8272: <u>Best Practices for CICS Systems Management</u>
- Lunch & Learn 207B: <u>CICS Requirements and strategic directions</u>
- 8514: CICS Explorer Update
- 8280: CICS Question Box and Pot Luck

### Friday

- 8281: <u>TCP/IP for CICS Systems Programmers</u>
- 8263: <u>Testing Through the Eyes of CICS System and Application Programmers</u>
- 8294: <u>CICS Systems Management Hands on Lab</u>



Click here to get CICS Explorer Free Product Download

### More Information

### IBM CICS Explorer

http://www.ibm.com/software/htp/cics/explorer/

### CICS Family News

http://www.ibm.com/software/htp/cics/enews/index.html

### Podcasts

 http://itunes.apple.com/us/podcast/did-you-say-mainframe/ id275831334

### Blog

http://masterterminal.wordpress.com/



### developerWorks Forum

http://www.ibm.com/developerworks/forums/forum.jspa?
 forumID=1475