IBM CICS V5.1 Portfolio
CICS Transaction Server and CICS Tools

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Preface

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CICS Transaction Server – Business Perspective

- CICS Transaction Server is the home of high volume updates to shared data.
- CICS Transaction Server is designed to enable customers to create and maintain a competitive advantage.
- CICS Transaction Server continues to deliver innovative and essential technology to enable customers to deliver on their business imperatives, now and into the future.

Large scale business critical workloads, some > 1bn transactions per day
Large installations with mixed workloads continue to support core business
Competitive advantage is embodied in CICS assets
Current Challenges

• Critical importance is that operational costs are kept as low as possible.
• Increased pressure to be able to deliver results faster and more efficiently.
  – Current operational practices often inhibit the speed of delivery.
• Investments made today can not only afford to meet the short term goals, but must continue to deliver value long into the future
  – despite the rapidly changing IT landscape.

**Operation Efficiency:** Controlling cost

**Service Agility:** Deliver results faster

**Future proof:** A long term investment
CICS TS V5.1 delivers Operation Efficiency & Service Agility…

Operation Efficiency
- Greater capacity
- Increased availability
- Reduced complexity
- Better control over critical system resources

Service Agility
- Faster and easier deployment of applications
- Improved management of the application environment
- Greater responsiveness to unwanted behaviour
- Colocation of back-end applications and front-end interfaces

... through Cloud Enablement
- Consistent with the IBM Cloud Computing strategy
- Positioning customers for the next transformational era in technology
- Moving towards a cloud oriented service delivery platform

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New CICS Tools V5.1 enhance Operation Efficiency & Service Agility

Five core foundational CICS Tools – updated to exploit CICS TS V5.1

- Discovery and visualization aids insight into application and platform dependencies
- Automation speeds service delivery and ensures standardization and governance
- Modern, integrated user interfaces lower skills barrier
- Day-1 exploitation of CICS TS V5.1 new capabilities reduces time to value
- Five core tools support and extend the CICS runtime

Fully integrated with CICS TS & CICS Explorer

CICS Transaction Server V5.1
CICS Deployment Assistant V5.1
CICS Configuration Manager V5.1
CICS Interdependency Analyzer V5.1
CICS Performance Analyzer V5.1
CICS VSAM Recovery V5.1
CICS TS V5.1: Driving Operational Efficiency

Greater Capacity

Achieve cost savings through consolidation

Managed Operations

Reduce cost and risk through automation

Increased Availability

Reduce the need for planned downtime

Deeper Insight

Improve decision making and audit readiness
CICS Tools V5.1 : Driving Operational Efficiency

**Greater Capacity**
- Maximize CPU savings with consolidation and threadsafe analysis

**Managed Operations**
- Reduce cost and risk through automation

**Increased Availability**
- 24x7
- Reduce the need for planned and unplanned downtime

**Deeper Insight**
- Improve decision making and system performance
CICS TS V5.1: Increasing Service Agility

First-class Applications
Create agile services from existing assets

First-class Platforms
Create agile service delivery platforms

Modern interfaces
Build rich web experiences for critical applications

Foundational Enhancements
Extend core capabilities
CICS Tools V5.1: Increasing Service Agility

First-class Applications
Create agile services from existing assets

First-class Platforms
Create agile service delivery platforms

Modern interfaces
Integrated and customizable tooling with rich visualization

Foundational Enhancements
Extend core capabilities
CICS Developer Trial

Available from Jan 11th 2013
- No charge trial, fixed expiry date
- Does not start SVC period
- For non-production environments
- Available through IBM ShopzSeries
- PID 5655-CIC

Based on CICS TS V5.1
- (with restrictions)
  - Performance
  - Capacity
  - License

https://www.ibm.com/developerworks/connect/cicsdev
Overview of IBM CICS Tools
The power of discovery

What’s new in CICS DA V5.1…

• Enriched discovery of over 30 entities
• Improved visualization with tagging and filtering
• Connections view with scoping
• Export model for external reporting
• CICS TS V5.1 upgrade cheat sheet
• Tagging and filtering of model elements
• New navigators
• Clone JCL improvements
• IPv6 support
• Virtual IP addressing support
• Serviceability enhancements

CICS DA enables you to…

• Visualize and manage your CICS topology
• Discover existing regions and sus-systems
• Automation creates new CICSplex
• Plexify and clone CICS regions
• Start and stop a CICS region

CICS Deployment Assistant for z/OS V5.1
Application insight

What’s new in CICS IA V5.1…

• Support for CICS Transaction Server V5.1, including enhanced business application analysis
• New threadsafe analysis plug-in view and report
• Improved installation and configuration
• DB2 data lifecycle management
• Native SQL language stored procedures
• Graphical visualization view of resources

CICS IA enables you to…”

• Identify threadsafe / non-threadsafe programs
• Isolate and remove affinities
• Speed CICSPlex® SM workload management
• Advanced CICS command flow analysis
• Highlight CICS web service candidates
### What’s new in CICS PA V5.1…

- CICS TS V5.1 – support for new metrics
- Application, Platform, and Policy
- Plug-in enhancements:
  - Application centric view
  - Customizable sheet views
  - Suspend time reporting
  - Easy navigation to key reports and alerts
- SMF logstream support
- Batch statistics reporting for CICS TG
- Improved management of PA data loaded to DB2
- CPU totals on MQ reports
- SMF data processing performance improvements

### CICS PA enables you to…

- Comprehensive Performance Reporting and Analysis for CICS including DB2, WebSphere MQ, and MVS System Logger
- Understand trends and develop capacity plans
- View statistics and create statistical alerts
The value of control

What’s new in CICS CM V5.1…

• Application, Platform, and Policy resources

• Enhanced plug-in with Packaging and Deployment Analysis

• Sort in Package view and Ready list

• ADD/REMOVE CSD group to/from LIST during Migrate operation

• Option to automatically remove empty Groups from CSD List

• SSL support for plug-in connection

• Audit trail for Install and NewCopy

CICS CM enables you to…

• Manage changes throughout the life-cycle

• Create reports to identify redundant definitions, show resource relationships, and change management history

• Manage audit, back-out and change authorizations
Reduce the risk to your data

What’s new in CICS VR V5.1…

- Replication logging in support of the GDPS-Active-Active availability solution
- Batch logging enhancements
- Batch backout improvements
- Migration utility enhancements
- Logstream printing and other usability enhancements

CICS VR enables you to…

- Supports backups created by Backup-While-Open (BWO)
- Automate recovery
- Test forward recovery and backout
- Produce disaster recovery reports

CICS TS and CICSVR

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Open integration and modernization

What’s new in CICS Transaction Gateway V9.0...

- Java 7 support for client applications
- Increased vertical scaling on z/OS
- SSL connectivity for 3-tier topologies
- Connection-level time-out with IPIC
- 64-bit support for ECI V2 and ESI V2
- ECI V2 support for asynchronous calls.
- End-to-end transaction tracking
- Simplified DSS configuration
- Statistics recording with CICS TG for MP

CICS Transaction Gateway provides...

- Proven connectivity—distributed platforms integrate with any CICS server
- Skills match for today—bridges the skill gap
- Secure, scalable, and highly available connectivity
Simple, secure session-management

What’s new in ...

- Updated plug-in with administration perspective
- Simplified pass-ticket support
- Load RACF classes into data spaces
- Improved DUMP GDG facility
- Customer-driven enhancements

CICS ...

- Access multiple z/OS systems from a single 3270 terminal - SNA and TCP/IP
- Session recovery across the Sysplex
- Centralized administration
- Rexx-like scripting language
- Log-off procedures
- Security checking and Audit logging
- Benefits to helpdesk and operations
- Spy function
- Broadcast messages
- Demo function helps staff training
Driving Operational Efficiency

**Greater Capacity**
- Use CICS IA and CICS PA to determine the threadsafe readiness of programs, plan region consolidation etc
- zIIP-eligible CICS IA stored procedures and zAAP-eligible CICS DA server can save MLC $s

**Managed Operations**
- CICS CM supports all new resource definitions in both CSDs and BAS for TSV5.1 and below
- Improved CICS IA and CICS PA data management reduces space requirements and simplifies tasks
- CICS PA provides Application- and Platform-level SLA analysis and resource usage reports
- CICS DA includes automated cloning and CICSPlex SM provisioning wizards
- CICS CM Packaging perspective avoids UI-switching

**Increased Availability**
- CICS VR adds replication logging support for Active-Standby and Active-Query configurations
- Use CICS IA to minimize the impact of routine application maintenance for the end user

**Deeper Insight**
- Enriched discovery in CICS DA and CICS IA enables broader and deeper insight
- CICS PA processes SMF performance and statistics data providing reports for all new metrics in CICS TS V5.1
- CICS PA *Wait analysis* helps resolve performance problems
- CICS DA model can be exported for external analysis and reporting
- CICS CM deployment analysis reports avoid potentially costly surprises
Increasing Service Agility

**First-class Applications**
- CICS CM helps manage new Application definitions
- New CICS PA views simplify Application performance analysis and
- CICS IA tracks, analyzes, and helps create CICS TS Applications

**First-class Platforms**
- CICS CM helps manage new Platform definitions
- CICS DA automates creation of new CICS platforms
- Discover and manage your CICS topology and applications with CICS DA and CICS CM
- Analyze Applications and isolate Platform performance bottlenecks with CICS PA

**Modern Interfaces**
- CICS DA active graphical visualization the CICS topology - tags and filters enable custom views
- Visualization and charts are now available for the metrics introduced in TS V5.1
- Customizable sheet views in CICS PA allow customers to see data *their way*

**Foundational Enhancements**
- New CICS DA server delivers faster discovery and better governance
- 64 bit enablement
- CICS DA IPv6 and virtual IP addressing support extends usage to modern networks
- CICS IA Global Work Area above the 31 bit line
Find out more

Visit us at a number of upcoming events in your area:

Register to attend zTechnology Summit - Multiple NA locations

Register for Impact 2013 today
- 30 CICS related sessions
- 2 Labs
- Meet CICS Technical specialists
- Hear about the latest CICS V5.1 Portfolio release

**CICS Smart Seminars**
Arrange a customized CICS agenda at your location and hear about the CICS topics you want to hear about. Contact your local IBM representative or send an Email to [cicssem@uk.ibm.com](mailto:cicssem@uk.ibm.com)
Raising new requirements with RFE

- You can now raise and track requirements using the new IBM RFE system for
  - CICS Transaction Server
  - CICS Explorer
  - TXSeries
  - WXTR
  - IBM CICS Tools
  - CICS Transaction Gateway
  - PD Tools

- Existing FITS requirements are currently being processed, and will either be transferred to RFE or closed and returned.
- Select Product Family: Transaction Processing - for CICS Transaction Server, TXSeries, and WXTR
- Select Product Family: Enterprise Tooling - for the CICS Tools, CICS Transaction Gateway, and PD Tools
- Raise CICS Explorer base requirements against the Explorer component of CICS TS.
- Raise plug-in requirements against the Explorer component of related product.
GENAPP – SupportPac and Redpaper

- GENAPP is available to customers as SupportPac CB12, at no extra cost
- There is a paper based on GENAPP with scenarios in this new IBM Redpaper

GENAPP will continue to be updated to exploit new CICS TS V5.1 features
CICS V5.1 collateral

- **Announcement letters**
  - CICS TS V5.1
  - CICS Tools V5.1

- **Data sheets**

- **Presentations**

- **IBM RedBooks**

- **Videos and demos**
  - CICS V5.1 Business Partner testimonials on CICS Youtube Channel [http://www.youtube.com/user/CICSfluff](http://www.youtube.com/user/CICSfluff)

- **Links**
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CICS Explorer Forum
ibm.com/developerworks/forums/forum.jspa?forumID=1475&start=0

CICS-L list Forum
listserv.uga.edu/archives/cics-l.html