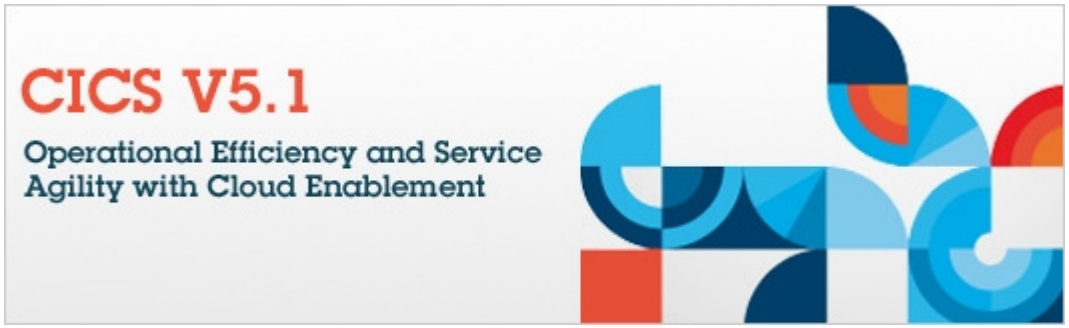
O Novo CICS V5.1: Porquê que esta versão é relevante

CICS TS V5.1 Technical Overview

Operational Efficiency and Service Agility...
… with Cloud Enablement

Alberto Gonzalez Dueñas
System z Technical Sales & Solutions



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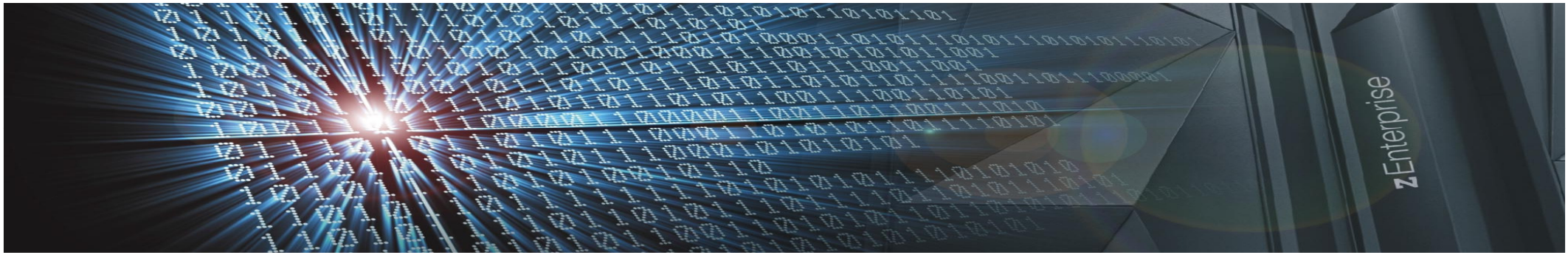
CICS Transaction Server – Business perspective

- CICS TS is the world's premier enterprise class transaction processor
- CICS TS 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

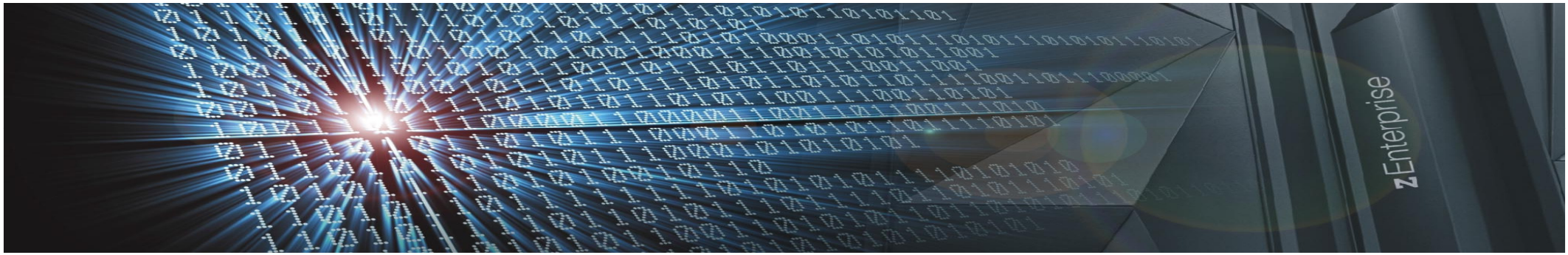
CICS WebServices are the most widely adopted CICS feature in the last 10 years



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
- How do you keep pace with rapidly changing technology and trends?
  - Consider the rapid growth of mobile devices and workloads, as well as cloud technology and services
  - Can you cope with the demands of the future?

Operation Efficiency: Controlling cost	*Service Agility: Deliver results faster*	*Cloud Enablement: A long term investment*



Announcing the new CICS TS V5.1 release

Operational Efficiency

- *Greater capacity* - achieve cost savings through consolidation
- *Managed operations* - control critical resource thresholds with policies
- *Increased availability* - reduce the need for planned downtime
- *Deeper insight* - extend performance and compliance information

Service Agility

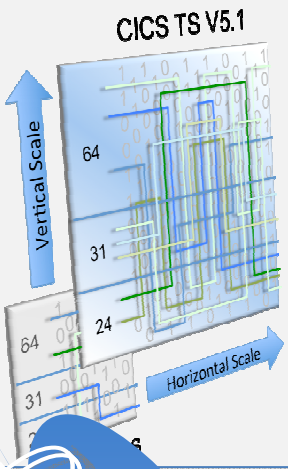
- *First-class applications* - create agile services from existing assets
- *First-class platforms* - create agile service delivery platforms
- *Modern interfaces* - build rich web experiences for critical applications
- *Foundational enhancements* - extend core capabilities

... with 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

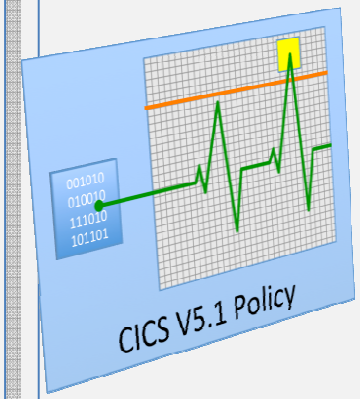
CICS TS 5.1 - Driving Operational Efficiency

Greater Capacity



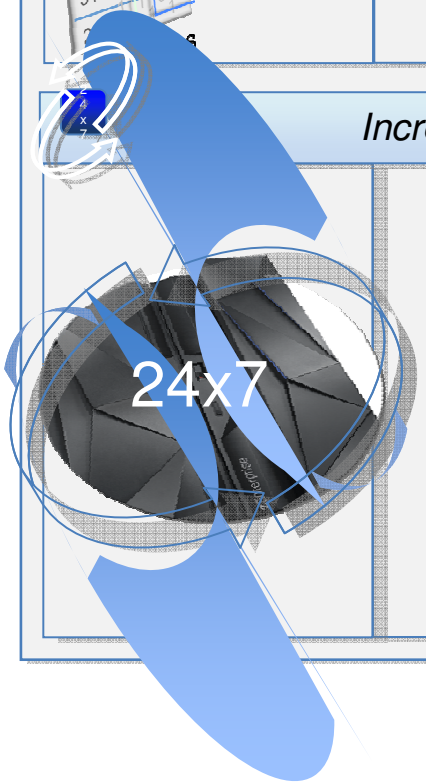
Achieve cost savings through consolidation

Managed Operations



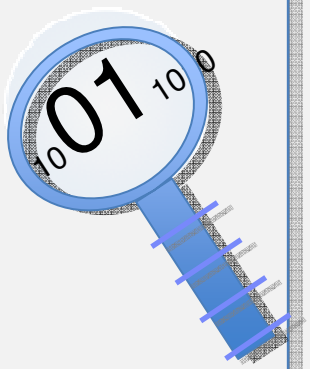
Control critical resource thresholds with policies

Increased Availability



Reduce the need for planned downtime

Deeper Insight



Extend performance and compliance information

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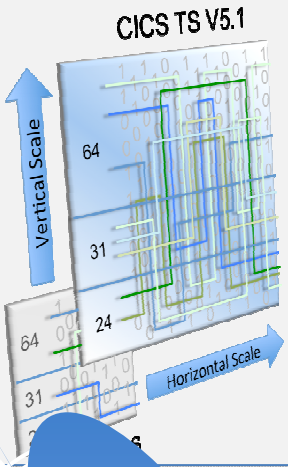
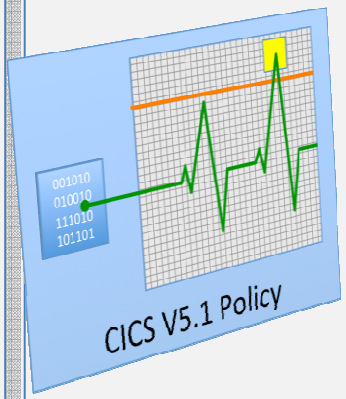
CICS TS 5.1 - Driving Operational Efficiency

Greater Capacity



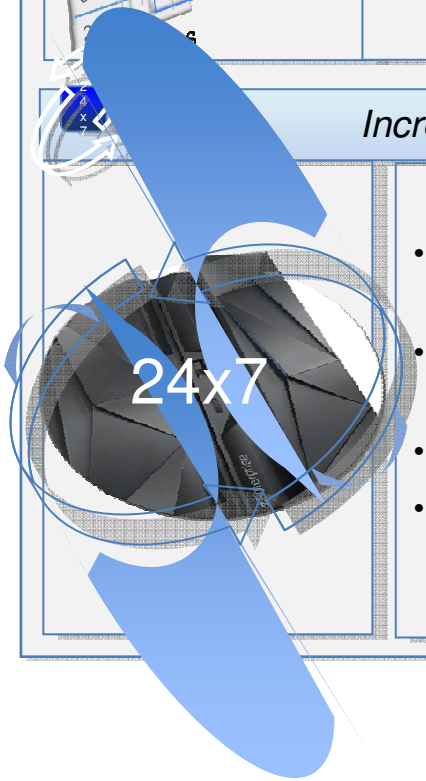
- Doubling the MAXTASK limit to 2,000
- Increased 64-bit and reduced 24-bit storage usage
- Greater parallelism from threadsafe API, SPI and optimized TCB usage
- Performance improvements from 64-bit Java 7

Managed Operations



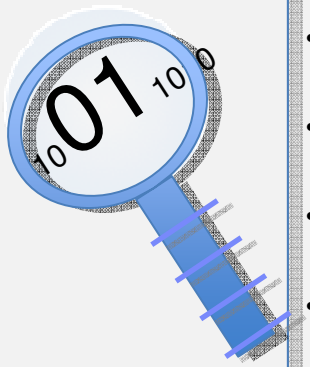
- Automated control over critical system resources
- Set data access thresholds on SQL or file access
- Set program thresholds on LINK
- Set CPU and storage thresholds
- Policies can issue messages, abending tasks, or create events

Increased Availability



- Upgrade CICS versions/releases without requiring a z/OS restart
- Refresh Secure Sockets Layer (SSL) certificates
- Keep IPIC connections up and running
- Better reflect current best practices with updated and simplified defaults

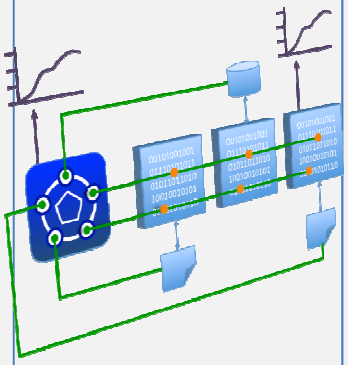
Deeper Insight



- Auditing of SPI commands that alter the system
- Extended identity propagation to include started tasks
- Cipher suites used for SSL connections to be stored in the performance records
- Calculate the actual and potential use of specialty processors

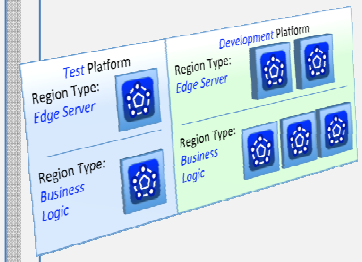
CICS TS 5.1 - Increasing Service Agility

First-class Applications



Create agile services from existing assets

First-class Platforms

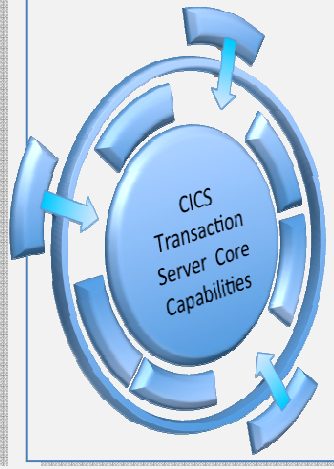


Create agile service delivery platforms

Modern Interfaces

Build rich web experiences for critical applications

Foundational Enhancements



Extend core capabilities

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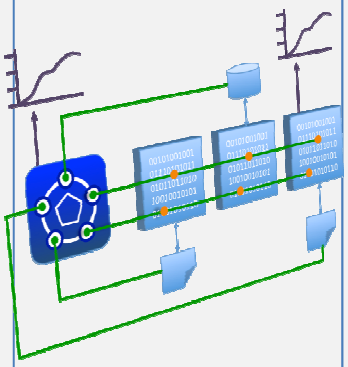
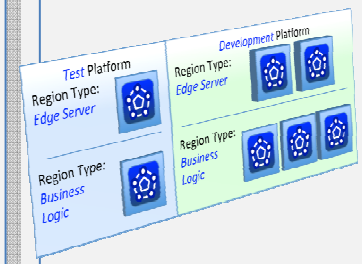
CICS TS 5.1 - Increasing Service Agility

First-class Applications



- Manage disparate resources as a single entity
- Rapidly move through the application lifecycle
- Automate dependency management
- Measure entire application resource usage
- Dynamically manage applications with policies

First-class Platforms

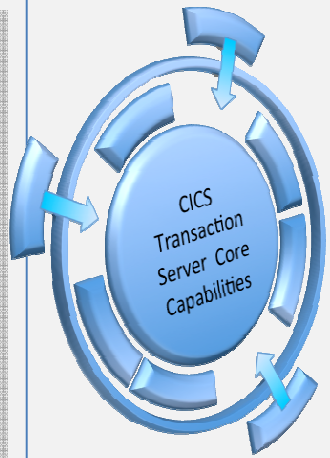


- Group new and existing regions as platforms
- Deploy applications to regions within a platform
- Decoupling applications from the region topology
- Automatic resource deployment and validation
- Dynamically manage platforms with policies

Modern Interfaces

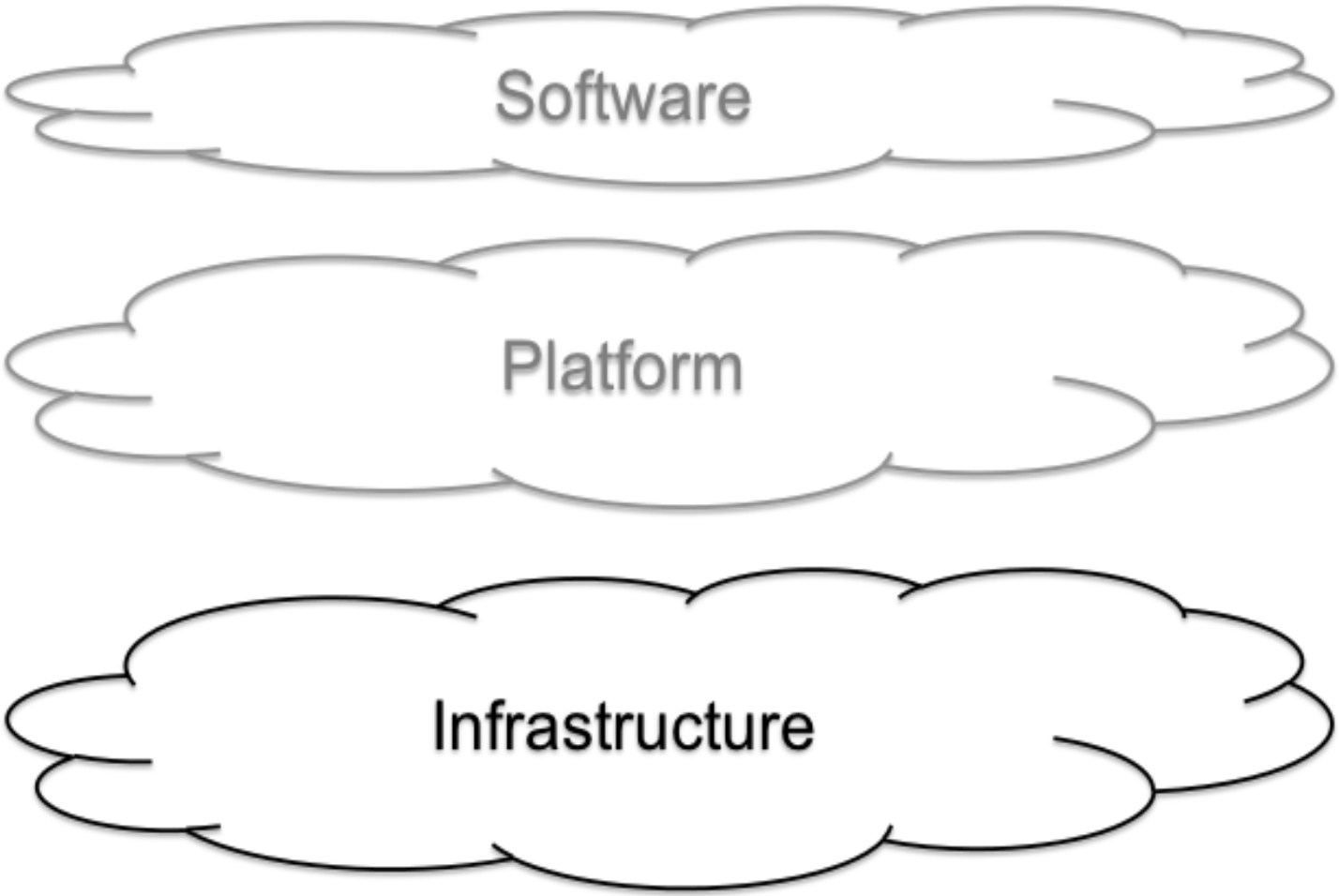
- A production-ready web container
- Supports Java servlets and JSPs
- Local access to CICS applications and data
- Packaging and deployment OSGi
- Integration with applications and platforms
- Built on WebSphere Application Server Liberty profile for compatibility

Foundational Enhancements



- CICS supports "one-to-many" event emission
- Greater-than-32KB across MQ (DPL) bridge
- Enhancements to IPIC add IMS support
- Backup and restore entire CPSM (CICSPlex SM) systems
- Automatic adjustment of the CICS clock for daylight saving time changes

CICS TS 5.1 – Three Service Models



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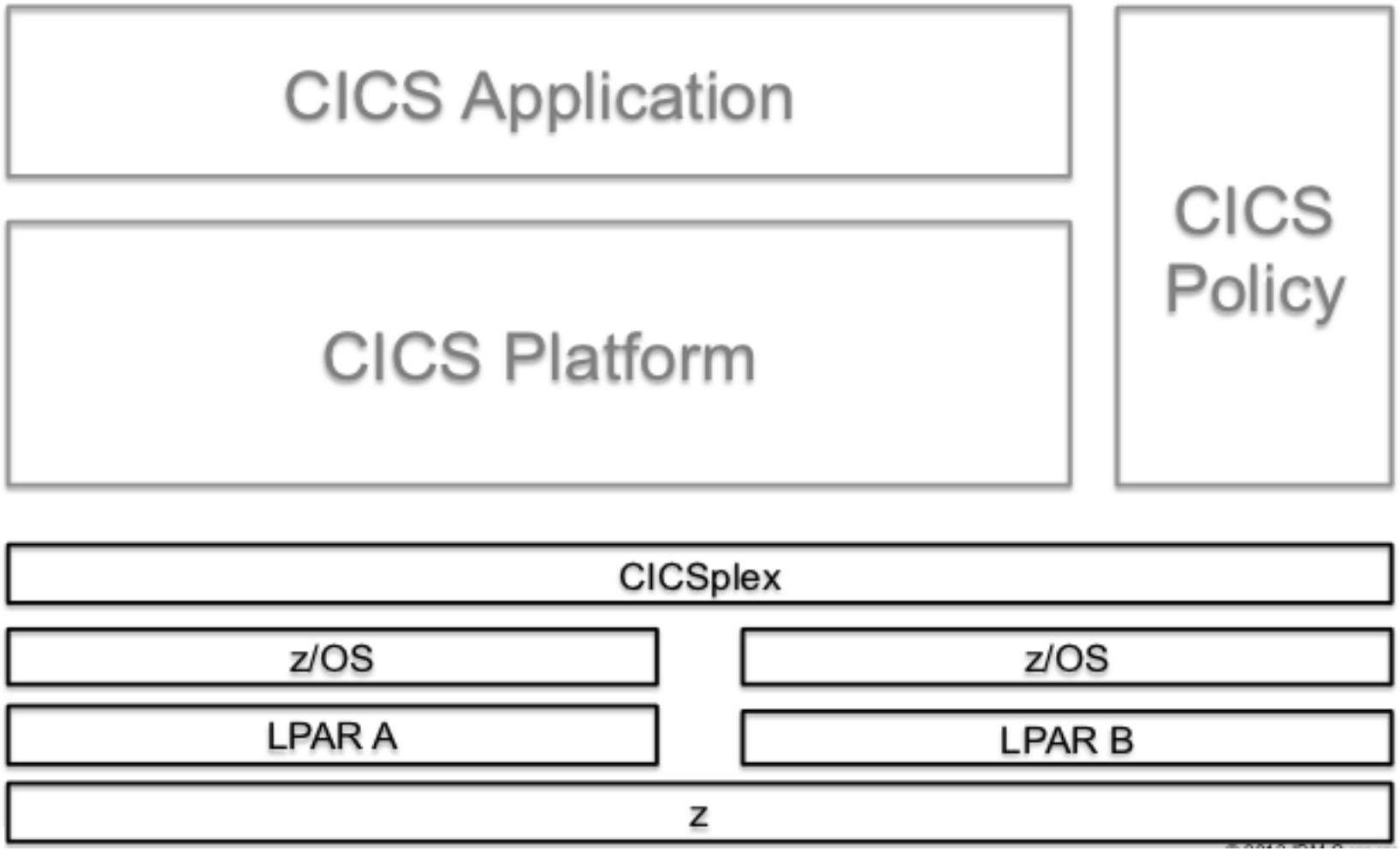
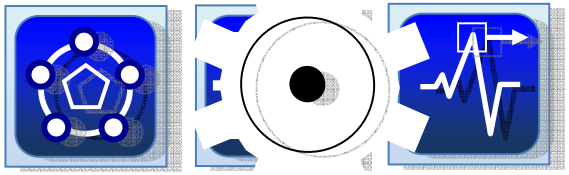
CICS TS 5.1 – Three Service Models





CICS Explorer 5.1 and CICS Explorer SDK 5.1

- Significant new capability to support all relevant aspects of CICS TS V5.1
  - Applications, including dependencies and entry points
  - Platforms
  - Policies
  - Event bindings and adapter sets
  - Web application samples, development, and deployment
- New z/OS Management Facility (z/OSMF) support
- Productivity and usability improvements, for example:
  - Create new z/OS UNIX files, data sets
  - Perform a system dump and SSL rebuilds
  - Create a new resource from an existing definition
  - Copy and paste resource data to a spreadsheet

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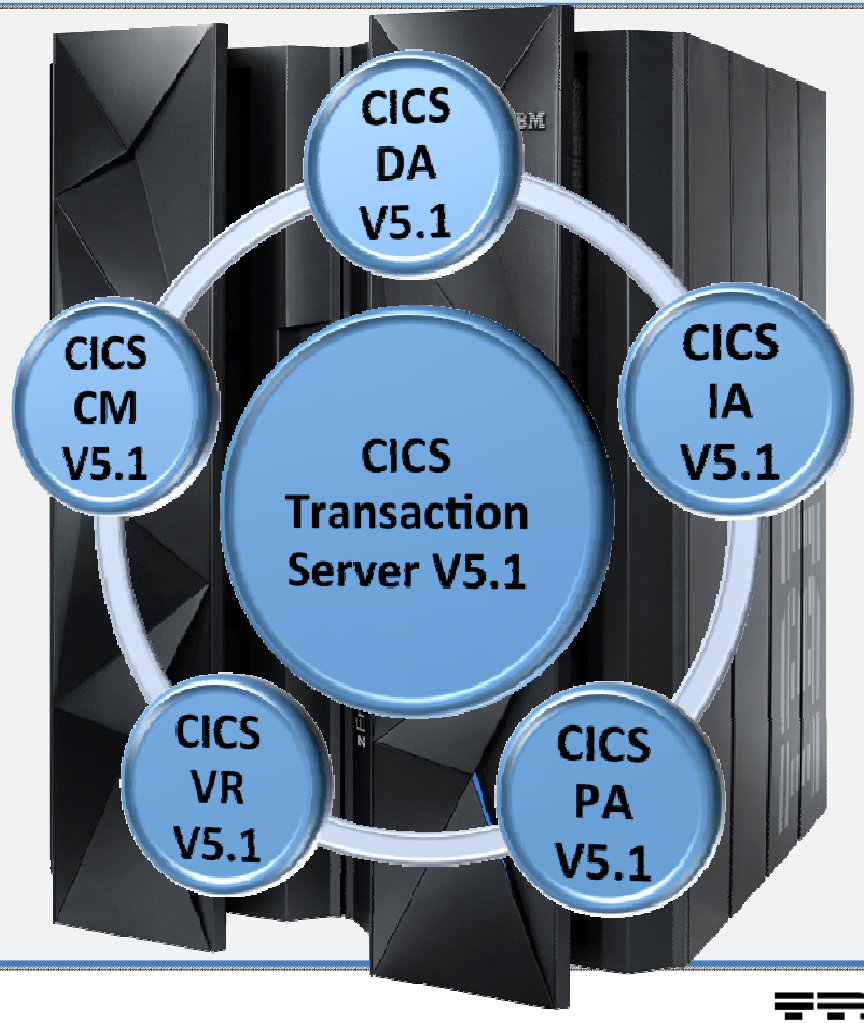
New V5.1 tools deliver the complete solution

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

Fully integrated with the CICS Explorer…

- Five core tools support and extend the CICS runtime
- Discovery and visualization aids insight
- 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



Statements of Directions…

- Function
  - IBM intends to introduce support for deploying qualified new CICS TS workloads on IBM System z New Application License Charges (zNALC) Logical Partitions (LPARs). Qualified new CICS TS applications, including approved mobile and service-enabled applications running in the CICS TS Java Virtual Machine (JVM) Server, will be eligible for CICS TS one-time-charge (OTC) pricing when deployed to a zNALC LPAR.
    - IBM CICS Transaction Server for z/OS (CICS TS) Value Unit Edition (VUE) V5.1 offers a one-time-charge (OTC) price metric for eligible workloads that are deployed in qualified System z New Application License Charge (zNALC) logical partitions (LPARs).
    - Eligible Workload is defined as net new Java workload that executes within the CICS TS VUE Java Virtual Machine (JVM) server environment, on condition that the workload is qualified and approved through the zNALC qualification process.

Statements of Directions

- IBM intends to continue to support both CICS TS V3.1 and CICS TS V3.2 until at least 3Q 2014, providing more than 9 years of support for the overall version since its initial introduction.
  - **Effective December 31, 2015**, IBM will discontinue support for the following programs:
    - 5655-M15 CICS Transaction Server for z/OS V3.1
    - 5655-M15 CICS Transaction Server for z/OS V3.2

CICS TS V5.1
A Transactional Server for Cloud

"Platform as a Service" (PaaS) ability

Policy based management

Light and fast Java Web Container

Capacity, scalability and availability improvements"

Obrigado pela sua atenção

IBM

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