

## **IBM Software Group**

# CICS Performance Analyzer for z/OS, V1.4

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@business on demand.

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## Preface

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# **CICS** Performance Analyzer

- What does it do?
  - ▶ Enables off-line performance analysis of CICS, and CICS-related DB2, WebSphere MQ, and MVS SMF records, as well as IMS information
  - Provides flexible reporting and analysis capabilities with supplied reports or your own reports for day-to-day performance analysis
  - Historical data processing for trending and capacity planning
- Why do I need it?
  - Reduce cost of effort to analyze performance
  - Improves tuning and capacity planning analysis
  - Helps take proactive approach to CICS systems tuning
  - Helps plan capacity for optimal performance
  - Helps review application performance and identify potential to improve application design
  - Use with online monitors to quickly identify and correct causes of online problems





# **CICS** Performance Analyzer - Benefits

#### CICS PA CAN HELP:

- Improve CICS system resource usage
- Evaluate the effects of CICS system tuning efforts
- Improve transaction response times
- Analyze CICS application performance
- Enable faster resolution of online problems
- Provide ongoing system management and measurement reports
- Increase the productivity of system and application programmers
- Provide awareness of usage trends, assisting in future growth estimates



## **CICS** Performance Analyzer

Optimize performance today and plan for the future with comprehensive analysis and flexible reporting

#### **New in CICS PA V1.4 (GA 18 March 2005)**

- CICS PA now provides comprehensive reporting and analysis of CICS statistics and CICS server statistics data
- CICS PA Statistics online reporter available
  - reporting of CICS Statistics data directly from an unloaded SMF data set or from a CICS PA Historical Database
- •Full exploitation of CICS TS 3.1
- Powerful control options over the Performance Summary Report format
- •HDB enhancements, inc extract into CSV format data sets
- Improved administration
  - Shared system definitions
  - Automated SMF file selection facility
- Can be used as data source for Tivoli Accounting Workstation

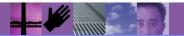
#### **Benefits**

- ▶ Complete and easy to use performance analysis for CICS to help improve CICS system performance, lower maintenance costs, and strategically plan IT investments
- ▶ Powerful trending and capacity planning capabilities for optimal performance
- ▶ Faster response to CICS online performance issues to help prevent outages
- Ability to tailor the analysis to your needs more easily to proactively tune your systems
- ▶ Critical CICS TS 3.1 performance data analysis for customers implementing SOA
- Accounting and chargeback capabilities with Tivoli Accounting Workstation



# **CICS** Performance Analyzer

No prerequisites
All you need to know about CICS performance in one tool
Now address the requirement for a CICS Accounting and Chargeback (can
be used as data source for Tivoli Accounting Workstation for z/OS)
Can complement IBM Tivoli Decision Support for z/OS for 'deep-dive' CICS analysis.





## CICS PA: Key Advantages

## Part of IBM systems management strategy

- Complements IBM online monitors for a complete solution
  - Tivoli OMEGAMON XE for CICS on z/OS
- Complements other IBM batch performance analysis tools (e.g. IMS PA)
- Complements IBM enterprise wide historical trend analysis solution (Tivoli Decision Support for z/OS)
   with detailed CICS analysis for fast online problem resolution, CICS tuning and capacity planning

## Functionality

 CICS PA is a functionally outstanding analysis tool designed for proactive and cost-effective ongoing performance analysis, capacity planning and tuning

## Support and utilization of the latest technologies in CICS

CICS PA fully exploits CICS TS 3.1 from GA and aim to exploit all the new CICS TS releases in a timely manner

#### Ease of use

- Short learning curve
- CICS PA comes with over 130+ pre-supplied reports to help you get started quickly, and provides a comprehensive ISPF dialogue to manage and tailor reports

#### Education

IBM provides detailed RedBooks and technical presentations so the education is inexpensive (RedBook download is free)



# CICS PA 1.4 – How do customers use it to complement their online monitors?

- Ensure quick response to online performance issues identified by an online monitor
  - drilling down into CICS and its related subsystems performance data to identify the cause of the problem
- Tuning of the CICS systems for optimal performance
- Trend analysis for capacity planning
- Detailed performance bottleneck analysis
- Identification of usage trends leading to reduced CICS performance or even outages.
- Review performance before applications go into production
- CICS PA also complements the enterprise-wide historical performance capabilities of IBM Tivoli ® Decision Support for z/OS

## Large US insurance company uses CICS PA

#### Business Problem

- Growing business
- ▶ Need effective way to evaluate CICS usage trends and plan for the future
- Quickly determine route causes of undesirable trends

#### IBM Solution

- CICS Performance Analyzer
  - Creates management reports with minimal effort
  - •Answers day to day queries about the cause of online problems
  - Improve capacity planning

### Why They Chose CICS PA Over Other Alternatives

- Easier to use
- More comprehensive
- ▶ Everything the customer needed to know about CICS performance analysis in one product

cics PA
enables
reporting and
problem
resolution with
minimal effort.



## **CICS PA: References**

- CICS PA Version 1.4 Product information ...
  - Program Product 5655-F38
  - ▶ Releases Supported ...
    - CICS Transaction Server for z/OS, Version 3 and Version 2
    - CICS Transaction Server for OS/390, Version 1
  - More Information (ann letter, data sheet, docs, presentations)
    - http://www.ibm.com/cics/
- Presentations in the Sales Kit on XL
  - http://w3.ibm.com/software/xl.
- IBM Tivoli Decision Support Accounting Workstation for z/OS V2.1.1
  - Program Product 5698-A42
- More Information ...
  - http://www.ibm.com/software/tivoli/products/tds-acct/