



IBM Software Group

CICS Performance Analyzer for z/OS, V1.4

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A decorative horizontal bar with a purple background, featuring a series of colorful squares (cyan, green, yellow, red) and various icons including a globe, a person's face, and a grid of dots.

@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 root 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/>

