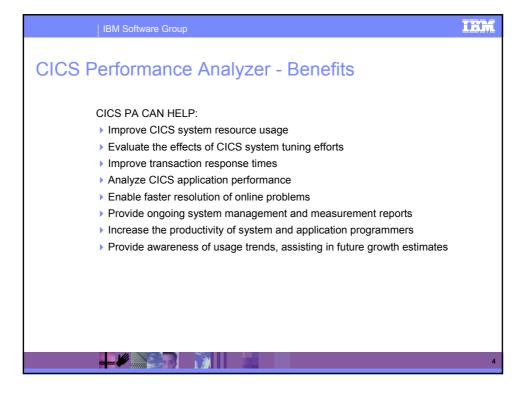
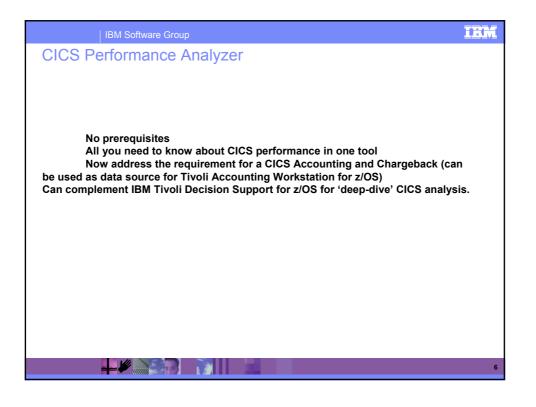


Preface The following are trademarks of International Business Machines Corporation in the United States, other countries, or both: IBM, CICS, CICS/ESA, CICS TS, CICS Transaction Server, CICSPlex, DB2, MQSeries, OS/390, S/390, WebSphere, z/OS, zSeries, Parallel Sysplex. Java, JavaBeans, and all Java-based trademarks and logos are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both. Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both. Other company, product, and service names and logos may be trademarks or service marks of others.

THM | IBM Software Group **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



IHM | IBM Software Group **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 ▶ 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



IBM Software Group

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)

Service and Support

7

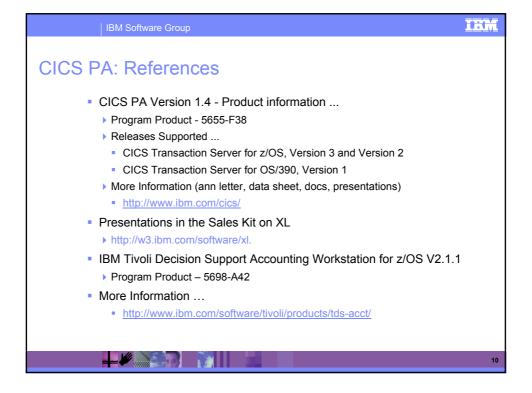
IBM Software Group

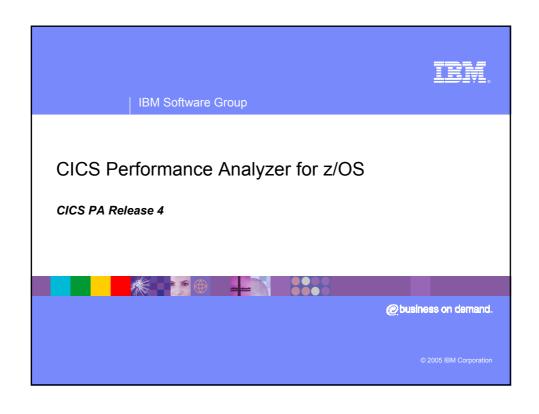
IEM

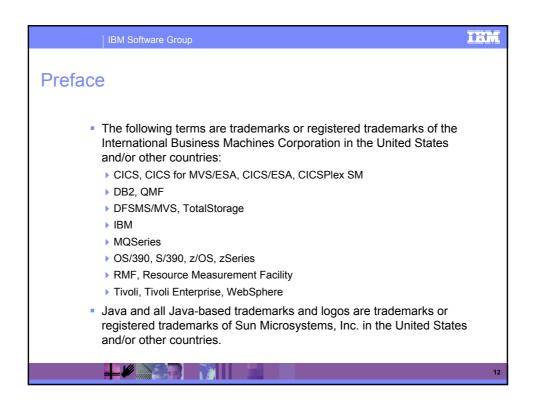
CICS PA 1.4 – How do customers use it to complement their online monitors?

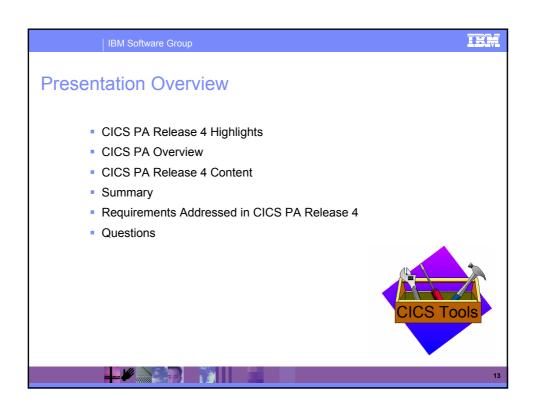
- Ensure quick response to online performance issues identified by an online monitor
 - drilling down into CICS and its related subsystems performance data to identify the cause of the problem
- Tuning of the CICS systems for optimal performance
- > Trend analysis for capacity planning
- Detailed performance 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

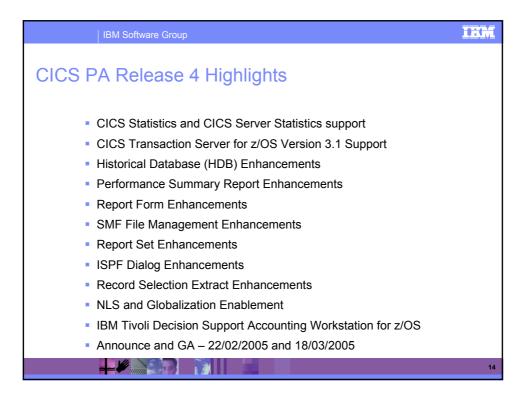
IHM | IBM Software Group Large US insurance company uses CICS PA Business Problem Growing business Need effective way to evaluate CICS usage trends and plan for the future **CICS PA** enables ▶ Quickly determine route causes of undesirable trends reporting and **IBM Solution** problem ▶ CICS Performance Analyzer resolution with Creates management reports with minimal effort 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

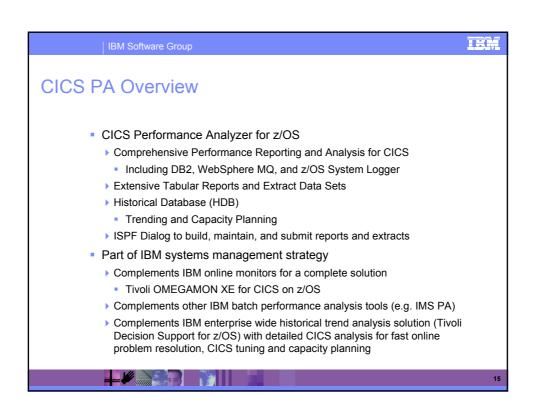


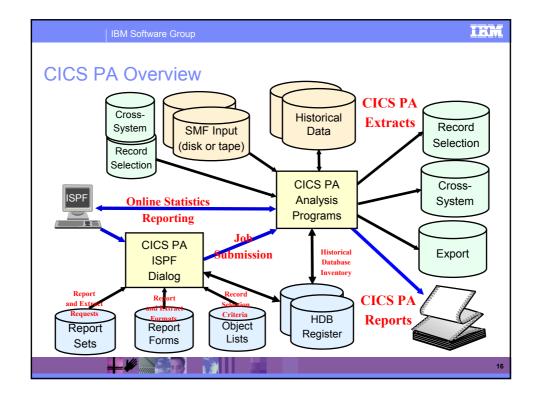


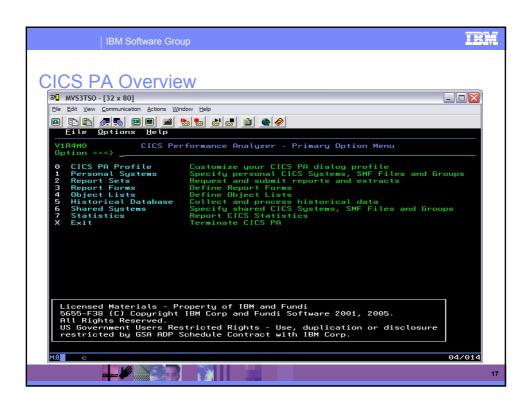


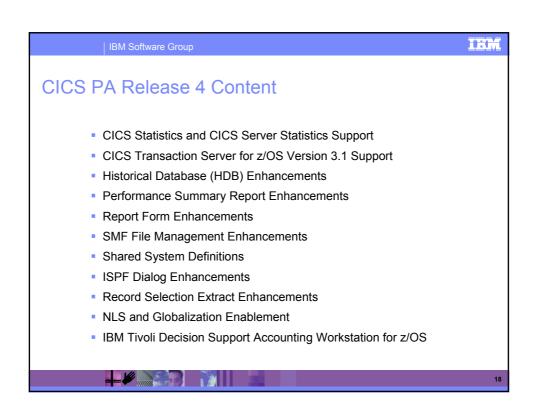


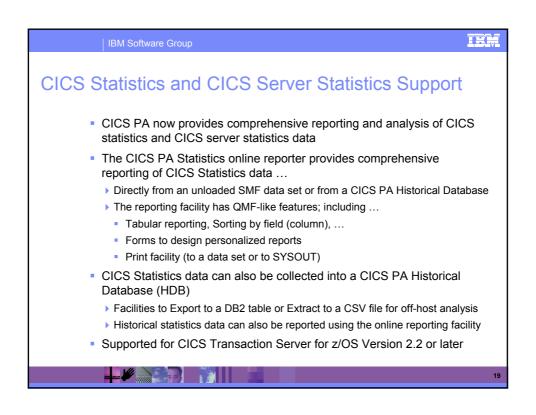


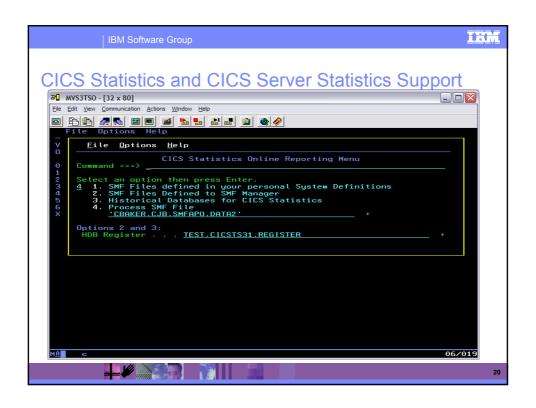


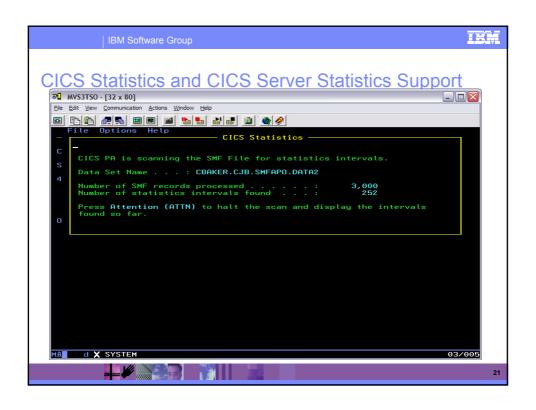


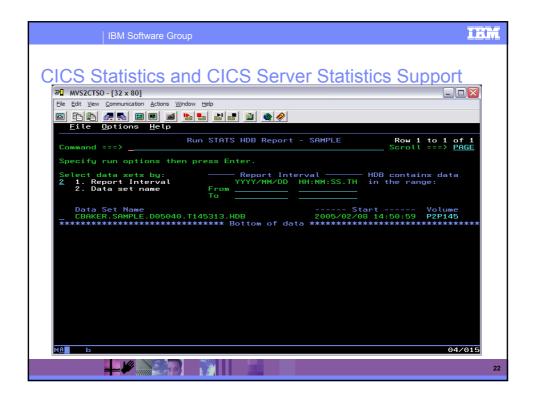


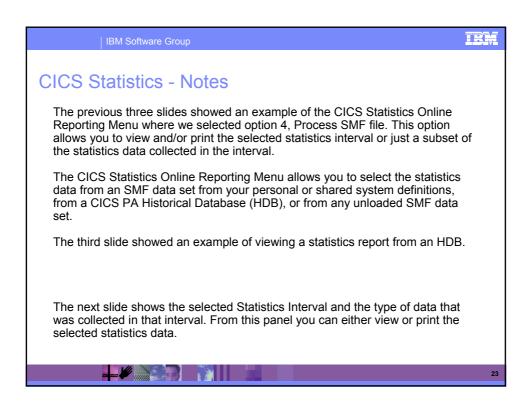


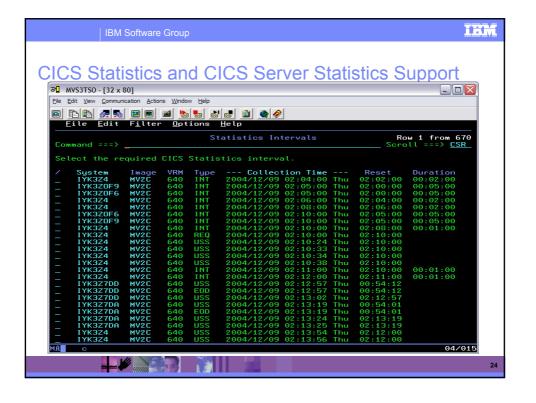


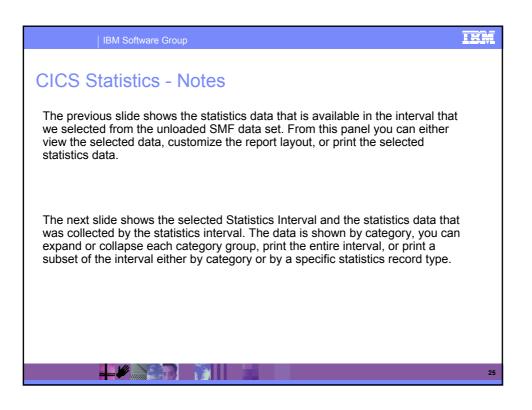


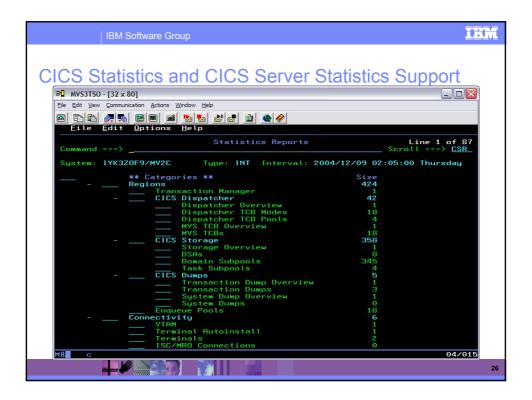


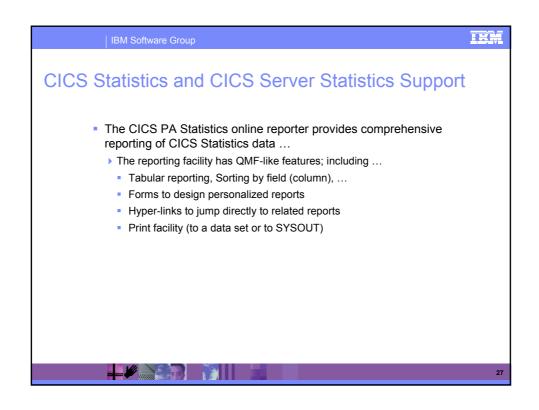


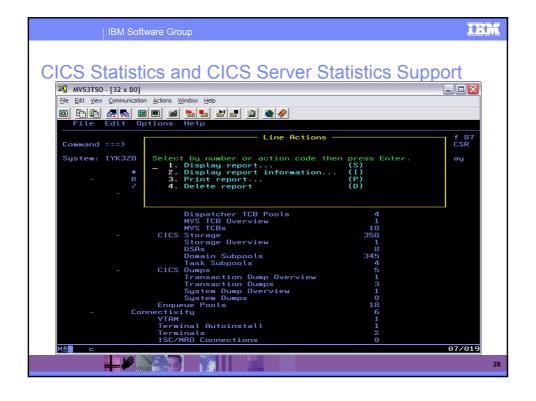


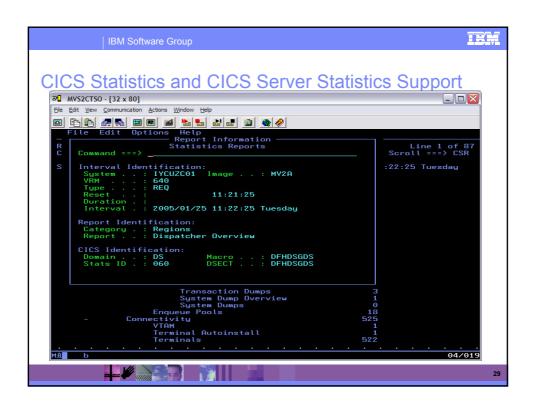


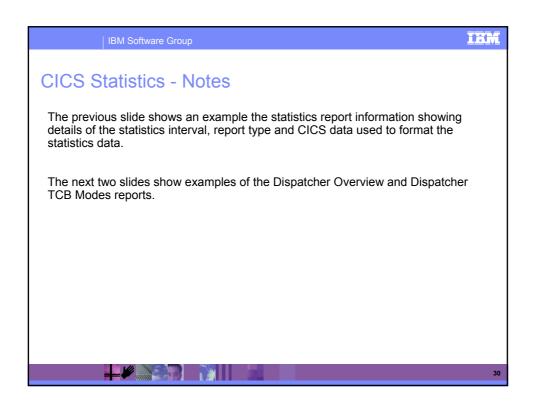




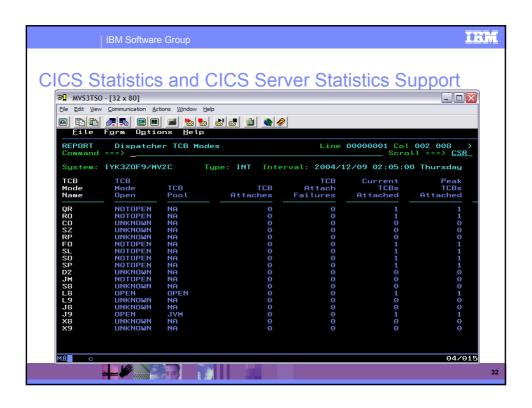


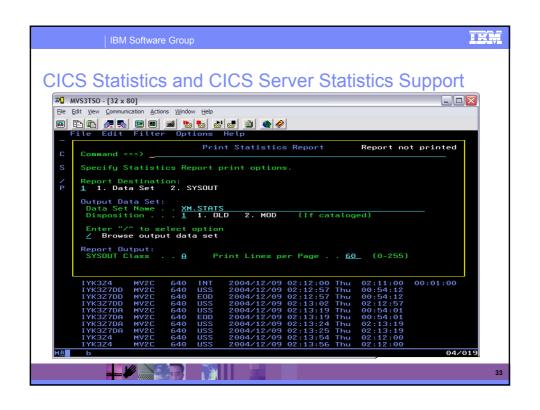


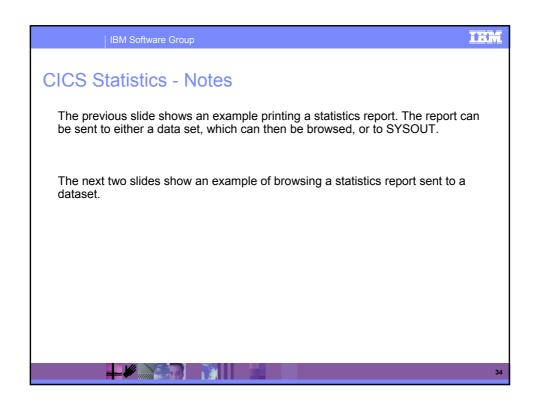


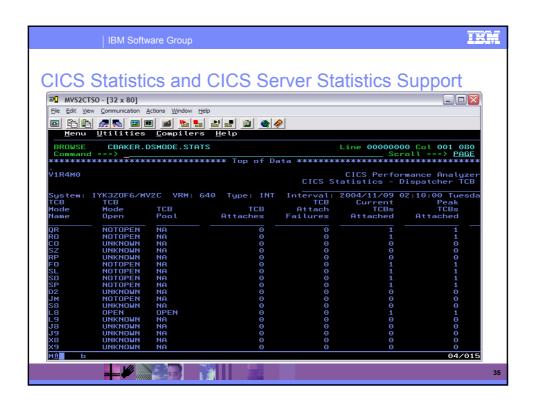


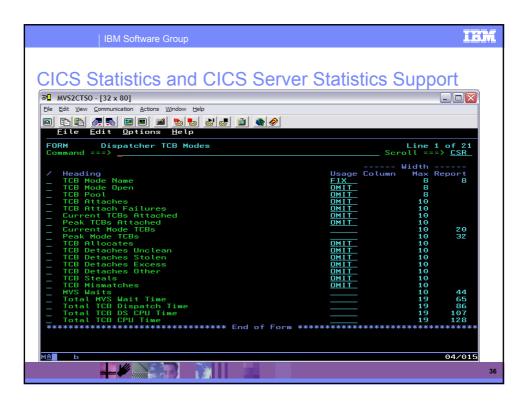


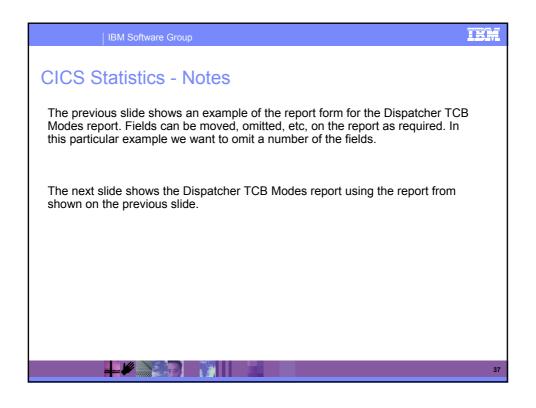


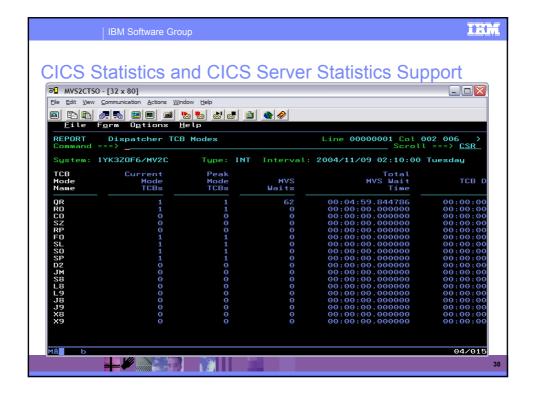




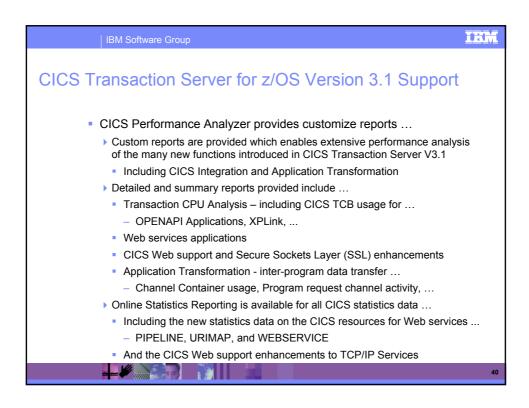


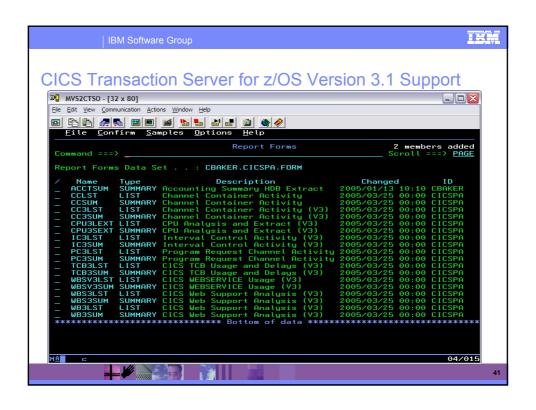


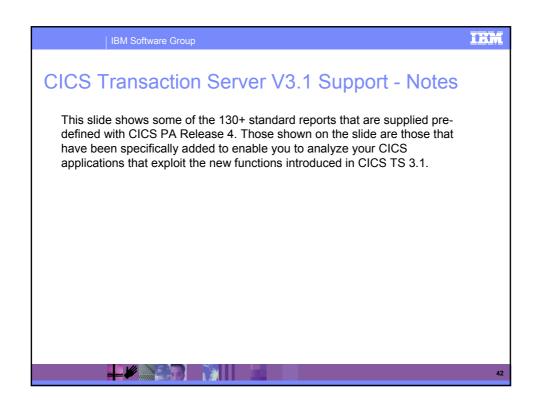




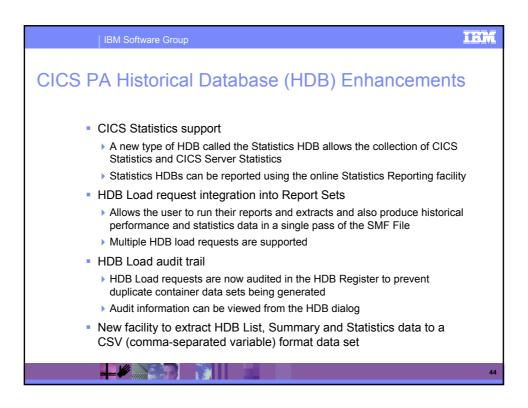
CICS Transaction Server for z/OS Version 3.1 Support CICS Transaction Server for z/OS Version 3.1 support includes ... Support for all new CMF Performance Class data fields ... Performance List, ListX, and Summary Reports and Extracts Performance Record Selection Criteria New and updated Statistics records Revised Performance Totals Report Revised Performance Wait Analysis Report Additional Summary Report and Extract By keywords Additional Performance ListX Report By and Limit keywords Revised Cross-System Work Extract default record format Revised Performance Data Extract default record format Additional Sample Report Forms

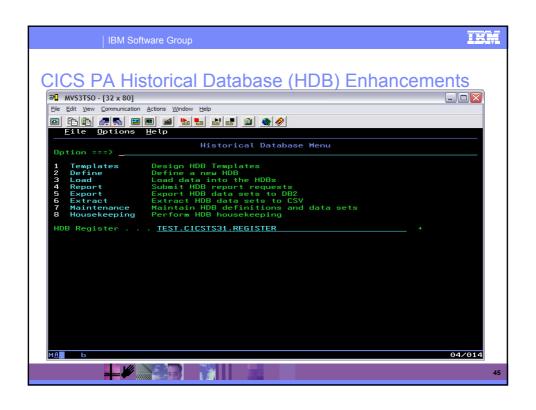


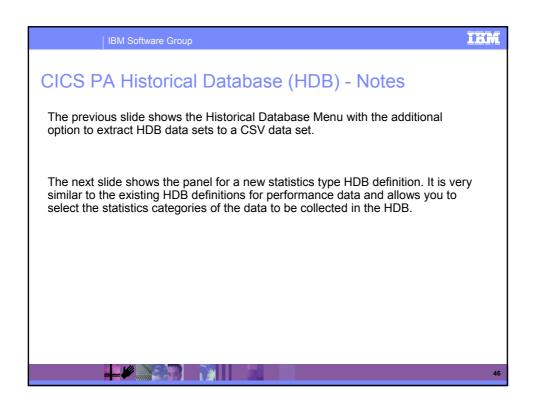


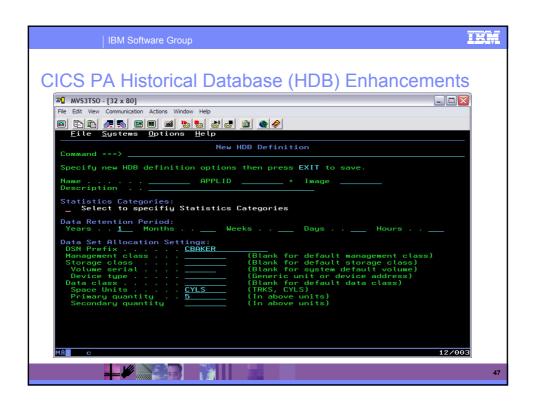


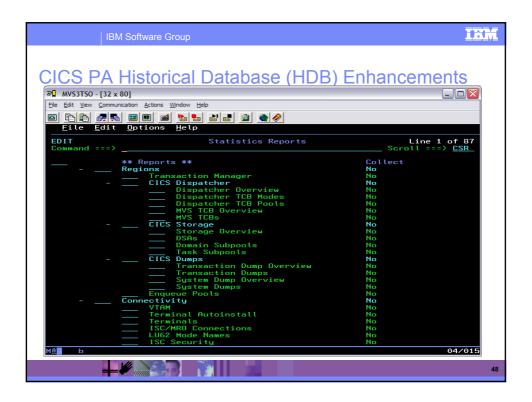
IHM IBM Software Group CICS PA Historical Database (HDB) - Today Flexible and easy-to-use facility for collecting and managing historical performance data for your CICS systems The CICS PA history database function provides ... > Short term history data detailing individual transaction performance for use in performance problem analysis Long term history data summarized over time can be used for trend analysis and capacity planning > Powerful and flexible definition facility for historical data repositories based on Report Forms Comprehensive reporting facilities Optionally load history data into DB2 for further analysis and reporting ▶ Definition and management of the historical databases (HDBs) from the CICS PA ISPF dialog Trending and capacity planning

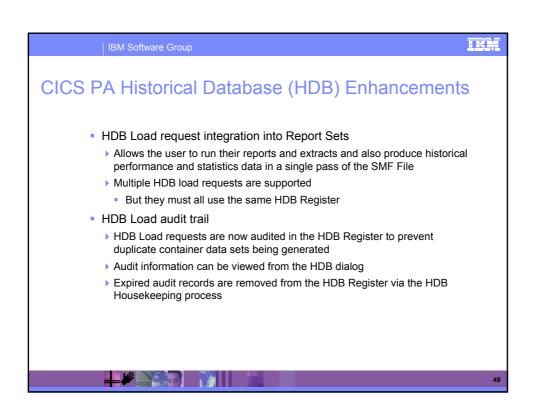


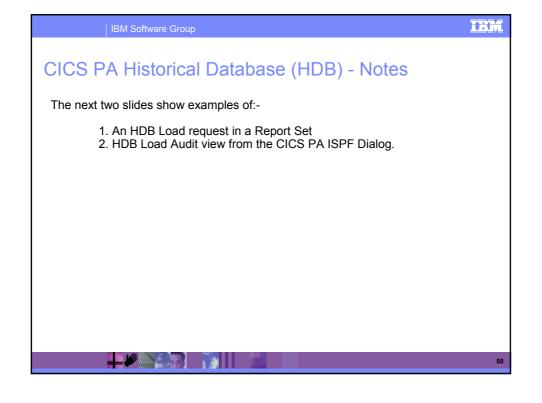


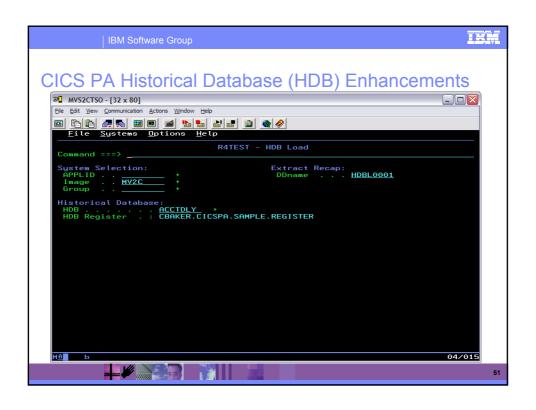


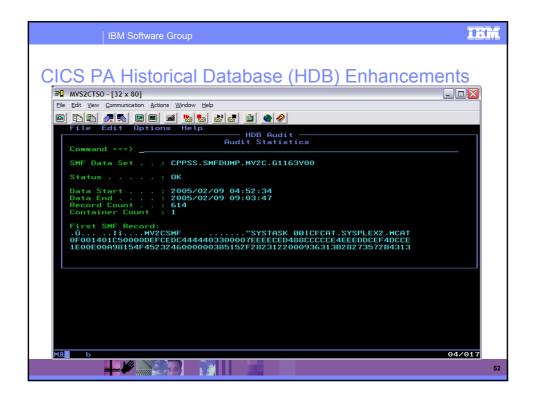


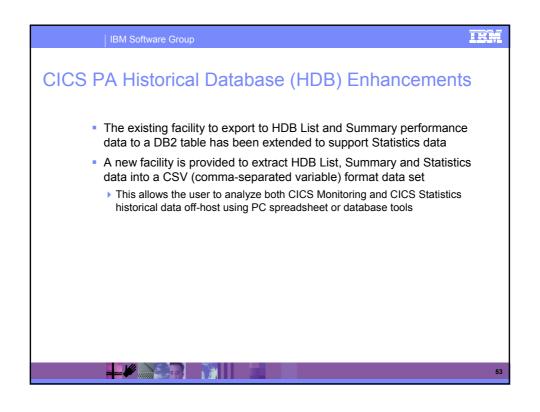


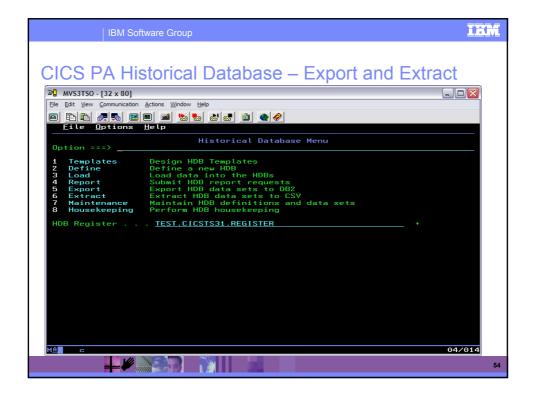


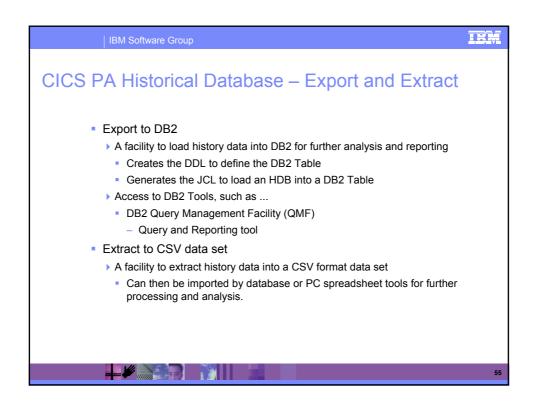


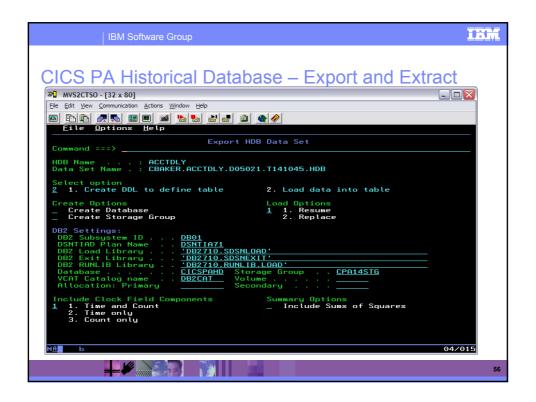


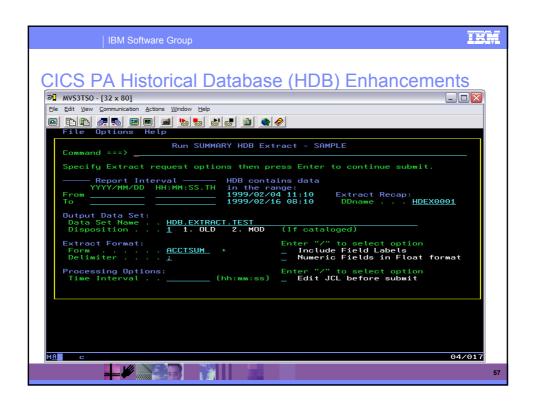


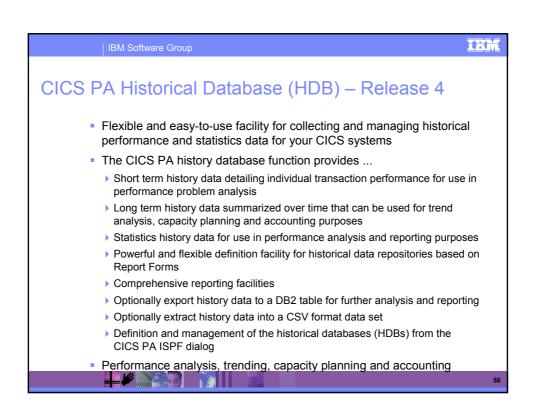












THE IBM Software Group Performance Summary Report Enhancements Maximum number of Summary keys increased from 3 to 8 Summary reports can be sorted by numerical fields Alternate Summary Report key sequencing allows users to alter the sequence of Summary report lines by one of the numerical fields in the report, instead of alphabetically by key For example, order the report by Response time The report is by default, sequenced in Sort key order (for example Transaction Code) Now the report can be sequenced in ascending or descending numerical field order (for example Response time) The transactions with the highest response time are printed at the top of the report, quickly pinpointing potential performance problems Additional Summary By keys ... ▶ Transaction ORIGIN – allows more flexibility and report format control than that provided by the existing Transaction Group Summary report

