



epv

IT Cost
Under Control

EPV for MQ

DATA
SHEET

EPV for MQ Overview

If you...

- can't get the information you need with a click of a mouse...
- don't have a complete overall picture of MQ subsystems and applications...
- can't quickly identify MQ critical events and application anomalies...
- are reacting to telephone calls and have no time to put in place trend and other reports, you may consider being proactive rather than reactive.

EPV for MQ...

- is the ideal post-processing, performance monitoring and tuning solution for you...
- is an "out-of-the-box" solution for MQ environments of any size and complexity...
- uses standard input data normally available in z/OS environments (mostly SMF records) ...
- contains a complete and extensive help system (embedded in EPV products) providing detailed technical information making it an excellent self-training tool.

Through automatic discovery techniques and built-in rules based on more than 30 years of know-how, EPV collects, relates and aggregates all necessary data transforming the bits and bytes into useful information in a process completely transparent to the user.

EPV for MQ provides:

- a complete vision of all critical MQ events which can impact your MQ subsystems' "health";
- MQ resource utilization views to analyze MQ CPU overhead, virtual and real memory usage, logging activity, buffer pools, shared and private queues, coupling facility structures;
- a complete vision of MQ workloads to analyze activity, performance and CPU consumptions starting from Queue Sharing Groups, to subsystem, connection type and connection;
- a detailed report of MQ parameters and configuration providing auditing of related changes;
- daily, weekly and monthly trends designed to support proactive tuning activities.

All views are produced as static HTML pages enriched by powerful Javascript functions. Views can be published on any Web server and can be accessed by any Internet browser.

MQ01 TOP QUEUE MAX DEPTH

MQID	SYSTEM	QUEUE	INDEX	PS	BP	0
MQ01	SYS1	GID.COM_OUT_REPORT_MSG_SNF.SH01	MSG_ID	S	S	26
MQ01	SYS1	GID.COM_OUT_SINGLE_MSG_SNF.SH03	MSG_ID	S	S	0
MQ01	SYS1	GID.COM_OUT_SINGLE_MSG_SNF.SH02	MSG_ID	S	S	1
MQ01	SYS1	GID.OUP_SESE_024.SH01	NONE	S	S	0
MQ01	SYS1	SWI.OUT.MSG_SNF.SH01	GROUP_ID	S	S	1
MQ01	SYS1	GID.QM_CAMT_003_CASB.SH01	NONE	S	S	1
MQ01	SYS1	GID.QM_CAMT_003_OACC.SH01	NONE	S	S	1

MQ WORKLOADS

mqid TOP QUEUE GET CPU

This view shows the TOTAL CPU usage hourly profile of the TOP queues (see Note 1) by GET CPU consumptions inside a MQ subsystem. CPU usage is reported in seconds.

The top queues are selected by the total CPU consumptions of GET calls during the day; the table is sorted by descending values.

[FIELDS] MQID, SYSTEM, QUEUE, INDEX, PS, BP, MAX DEPTH, GET CPU seconds
 [SOURCE] SM116SSI, SYSTEM, WQBASENA, WQINDXTY, WQNPSAPG, WQNBUFPO, WQMAXQDP, WQGETCT

11	12
865	401
36	26
29	32
8	4
1	1
2	1
1	1

Simple and quick installation

Typically, EPV for MQ is installed within one day. The installation process is straightforward, easy and has absolutely no impact on the mainframe. It works “out-of-the-box” with no customization other than providing input and output destinations. This delivers benefits soon after installation and execution, often within minutes. EPV for MQ can be installed on most of the popular hardware and software platforms available on the market.

Easy to use

Using EPV for MQ is intuitive and easy. Users simply click on automatically created exception links to analyze the most critical issues. Predefined navigation paths are also provided guiding less experienced analysts to the most detailed information using a top-down approach. Many additional functions make EPV for MQ extremely usable and effective.

EPV for MQ Unique Technical Features

Design & Architecture

- EPV processing is completely automatic and is based on auto-discovery techniques.
- EPV runs on any platform.
- The EPV performance database can be either a SAS database or an SQL database.
- EPV results can be published on any platform.
- EPV results can be archived and reused at a later date. It is then possible to look at them separately or include them in the production report structure.
- No clients are needed, only a standard browser.
- Every EPV report can be exported to Excel with just a click of the mouse.

Reports

- MQ critical events (e.g. SOS abends, critical storage contractions, log buffer waits) by MQ subsystem.
- MQ queue managers parameters.
- MQ queue managers parameters changes.
- MQ configuration.
- MQ system AS overhead in MIPS and CPU seconds.
- MQ system AS real and virtual memory utilization.
- Channel Initiator detailed statistics.
- Logging activity.
- Rollback activity on log buffers, active and archive logs.
- Checkpoints activity.
- MQI activity.
- Buffer pool analysis, including navigable daily, weekly and monthly trends.
- Complete workload navigation to analyze application CPU consumption by

connection type from queue sharing group up to the connection level.

- Complete workload navigation to analyze application activity by MQ subsystem from queue sharing group up to the connection level.
- Detailed analysis of queue performance by MQ instruction type.
- Navigable daily, weekly and monthly trends for MQ Critical Events, System AS, Resources and Workloads.

Automatic alerting

- EPV automatically provides a log of changes made to the MQ parameters and configuration.
- EPV provides a set of user-definable thresholds to display exception alerts revealing performance problems and excessive resource usage workloads.
- EPV uses statistical analysis and self-adaptive thresholds to intercept abnormal behavior and produce exceptions alerts.
- EPV alerts can be automatically and selectively distributed to technical groups and managers.

EPV for MQ Unique Business Benefits

- EPV saves up to 90% of the time required by technical staff to identify and correct problems, do reporting and perform tuning activities.
- Comprehensive EPV help documentation educates technical staff concerning all the newest MQ functions and technologies.
- EPV greatly increases control over your MQ environment allowing you to reclaim resources by easily identifying and eliminating MQ subsystem and application anomalies.

EPV for MQ Unique Pricing

- The EPV license is based on a one-time fee.
- Pricing depends on the number of collected MQ subsystems, not on the power of the machine or the power used.
- The first year's maintenance is included; in subsequent years customers need only pay the maintenance fee.
- Maintenance fees include all releases and new versions of the product.
- There is no additional license fee if the customer changes the platform where EPV runs.
- There is no additional license fee if the customer changes the database type.
- EPV is developed along two product lines: standalone or by using input from SAS/MXG or SAS/ITRM; there is no additional license fee if the customer wishes to change from one product line to the other.

It's always the right time to switch to EPV



*We are not simply a software vendor.
We will always be at your side helping you reach
your business goals.
EPV: people you can trust.*



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