



epv

IT Cost
Under Control

EPV for Db2

DATA
SHEET

EPV for Db2 Overview

If you...

- can't get the information you need with a click of a mouse...
- don't have a complete overall picture of Db2 subsystems and applications...
- can't quickly identify Db2 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 Db2...

- is the ideal post-processing, performance monitoring and tuning solution for you...
- is an "out-of-the-box" solution for Db2 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 Db2 provides:

- a complete vision of all critical Db2 events which can impact your Db2 subsystems' "health";
- Db2 resource utilization views to analyze Db2 CPU overhead, virtual and real memory usage, logging, Db2 pools, locks, deadlocks and timeouts;
- a complete vision of Db2 workloads starting from Data Sharing Groups to verify Sysplex balancing, to plan, authid, correlation, transaction and package analysis for each connection type;

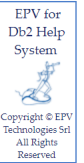
- a detailed report of Db2 parameters and configuration providing auditing of related changes;
- daily, weekly and monthly trends designed to support proactive tuning activities.

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.

TOP CPU PACKAGE - Wed, 09 Oct 2019 - DSNDU0 - IMS

PACKAGE NAME	MAX	0	1	2	3	4	5	6	7	8	9	10	11	12	13
MFSXR200	415,49	0,00		1,88		0,00	0,01	0,95	4,25	206,30	3,49	177,33	4,17	415,49	0,13
MFSXR200	382,12	0,44		0,03		0,47	0,02	1,36	6,44	189,07	3,69	152,00	3,28	382,12	0,08
MGLM8300	4,50	3,73	3,64	3,61	3,70	3,65	3,60	3,70	3,97	4,02	4,26	4,50	3,82	4,15	3,73
MFSXT030	5,34	0,04		2,42	5,34	3,63			1,72	5,25	2,04	0,24		4,77	5,26
MFSXT030	5,27	5,27	5,16	2,78		1,63	5,24	5,25	3,60	0,14	3,28	5,15	5,20	0,83	0,05
SISTAXRT	23,41	0,07	0,01	0,06	0,00	0,28	0,22	0,10	0,21	3,99	0,77	4,37	0,35	8,22	0,31
SISTAXRT	20,03	0,06	0,01	0,04	0,00	0,35	0,17	0,11	0,28	3,70	0,62	3,70	0,35	7,67	0,39

Db2 WORKLOADS
TOP CPU PACKAGE



This view shows the TOTAL CPU usage hourly profile of the TOP PACKAGES using a specific CONNTYPE (connection type) inside a Db2 subsystem (see Note 1). The PACKAGES reported in the table are selected by the highest total CPU consumption summed across all the executions; the table is sorted by descending values. CPU usage (see Note 2) is provided in MIPS and SEC (CPU seconds).

Simple and quick installation

Typically, EPV for Db2 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 Db2 can be installed on most of the popular hardware and software platforms available on the market.

Easy to use

Using EPV for Db2 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 Db2 extremely usable and effective.

EPV for Db2 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

- Db2 critical events by Db2 subsystem, including navigable daily and monthly trends.
- DSNZPARM parameters.
- DSNZPARM changes.
- Db2 configuration.
- Db2 configuration changes.
- Db2 overhead estimate in MIPS and percentage of Db2 workload.
- Deadlock and timeout navigation up to the impacted plan, including navigable daily and monthly trends.
- Database and tablespace statistics, including navigable daily and monthly trends.

- Complete workload navigation from data sharing group up to the package level.
- Navigable workload daily, weekly and monthly trends.
- Automatic logging and reporting of plan and package executions exceeding a user customizable amount of CPU.
- Automatic logging and reporting of plan and package executions lasting more than a user customizable elapsed time.
- Automatic analysis of package executions to highlight statistical anomalies.
- Near-real-time reports which can be requested on demand to analyze plan and package execution performance for a specific interval.

Automatic alerting

- EPV automatically provides a log of changes made to the Db2 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 Db2 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 Db2 functions and technologies.
- EPV greatly increases control over your Db2 environment allowing you to reclaim resources by easily identifying and eliminating Db2 subsystem and application anomalies..

EPV for Db2 Unique Pricing

- The EPV license is based on a one-time fee.
- Pricing depends on the number of collected Db2 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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