EPV for z/OS

IT Cost under Control

EPV for z/OS Overview

- If you can't get the information you need at the click of a mouse...
- If you are spending a lot of time writing code to transform data into information...
- If you put a lot of effort in preparing reports and don't have the time to make accurate decisions...
- If you are not sure you are using all the capacity you have in the most effective way...
- If you are paying for expensive software that could be licensed more cheaply...

EPV for z/OS is the solution for you.

EPV for z/OS is an "out of the box" Performance and Capacity Management solution for z/OS environments of any size and complexity.

EPV for z/OS uses standard input data normally available in any z/OS environments (mostly SMF records).

A complete and extensive help system is embedded in EPV for z/OS 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 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 users.

EPV for z/OS provides:

- a complete vision of the "health" and condition for all critical hardware resources of your systems allowing you to quickly identify and solve anomalies and performance issues;
- a complete vision of all the workloads (such as Batch, CICS, DDF, IMS, OMVS, MQ, TSO and WEBSPHERE) running on your systems; by means of drill-down capabilities, you can explore workload performance and consumptions, down to address space or transaction level;
- a detailed report of the hardware and software configuration providing auditing of configuration changes;
- daily and monthly trends; an advanced methodology to identify and highlight statistical anomalies:
- all the necessary metrics to manage the MSU used in the 4 hour rolling average and reduce software costs.

All views are produced in static HTML pages enriched by powerful Javascript functions. They can be published on any web server and can be accessed by any "browser".

Simple and quick installation

Typically EPV for z/OS is installed within one day. The installation process is straightforward and easy and has absolutely no impact on the system. It works "out of the box" with no customization other than providing input and output destinations. This allows for rapid delivery of benefits from the second day.
EPV for z/OS can be installed on most of the popular hardware and software platforms available in the market.

Easy to use

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

EPV for z/OS Unique Technical Features

Design & Architecture
- EPV processing is completely automatic and is based on auto discovery techniques.
- EPV runs on any platform.
- EPV Performance Data Base can be either a SAS database or a SQL database.
- EPV results can be published on any platform.
- EPV results can be archived and then 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
- Hardware and software configuration.
- IPLs.
- Automatic MIPS evaluation algorithm.
- CPU usage reports at global, system, workload, service class, report class, subsystem, address space and transaction level; all fully navigable using drill down functions.
- CPU usage reports based on MIPS, MSU, percentage and number of CP.
- HiperDispatch support.
- LPAR weight analysis.
- zAAP and zIIP usage and eligible reports from CEC to address space level.
- Mobile workload support.
- IMS and CICS transaction statistical exception detection.

- Websphere EJB and Web Application analysis.
- MQ Series transaction analysis.
- Report class performance index and delay analysis.
- Workload Manager - work manager delay analysis.
- Workload Manager Importance analysis.
- WLC full support including simulations to evaluate possible savings using more zAAP and zIIP or delaying less important workloads.
- I/O performance analysis by Physical Control Unit.
- I/O performance analysis by SSID and system.
- PPRC performance analysis.
- Storage Group daily and trend analysis.
- SUN/StorageTek VSM configuration and activity.
- IBM Hydra configuration and activity.
- System, workload, resource and throughput trends at the day and month level and presented at personalized shift levels.
- Capacity Planning indices track the relationships between major resource usages.

Automatic alerting
- EPV automatically provides a log of the changes made to the system configuration.
- EPV provides a set of user definable thresholds to provide exception alerts to 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 z/OS Unique Business Benefits

- EPV saves up to 90% of the time required by technical staff to identify and correct problems, do reporting and perform capacity planning studies.
- EPV allows free self-education of technical staff about all the newest hardware and software technologies.

- EPV greatly increases control over hardware allowing you to reclaim resources by easily identifying and eliminating loops, application anomalies and abends.
- EPV provides information and estimates to control MSU usage and set best values to Defined and Group Capacity limits in order to reduce software costs.

EPV for z/OS Unique Pricing

- EPV license is based on a onetime fee.
- License cost depends on the number of collected systems, and not on the power of the machine or the power used.
- The first year's maintenance is included; in subsequent years customers have only to pay the maintenance fee.
- Maintenance fee includes 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 in two product lines: stand alone or taking 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.