



epv

IT Cost
Under Control

EPV for Linux on Z

DATA
SHEET

EPV for Linux on Z Overview

If you...

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

EPV for Linux on Z...

- is the ideal post-processing, performance monitoring and capacity planning solution for you...
- is an "out-of-the-box" solution for Linux under z/VM environments of any size or complexity...
- uses standard input data normally available in z/VM environments (MONWRITE data) and, optionally, Linux process data...
- 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 Linux on Z provides:

- a complete vision of the "health" of all critical hardware resources of your systems allowing you to quickly identify and solve anomalies and performance issues;
- a complete vision of all the z/VM systems and their "guests"; by means of drill-down capabilities, you can explore workload performance and consumption from the CEC level down to z/VM systems, virtual machines and Linux processes;
- a detailed report of hardware and software configurations 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.

SYSTEM	FUNCTION	VM USER	MEAN	12:00	12:01	12:02	12:03	12:04
LVP1	NPAC2	ZLWP03	1.867	2.514,1	2.689,8	2.767,9	2.624,6	2.45
LVP1	VITA	ZLWP11	696	1.683	1.685,6	1.690,3	1.669,5	1.69
LVP1	NPAC2	ZLWP05	671	1.001,5	910	819,5	816,6	84
LVP1	H24	ZLWP07	487	762,4	656,8	608,4	625,2	53
LVP1	ESSIG	LZIHSP01	355	632,8	456,1	433,2	401,9	
LVP1	NPAC2	ZLWP09	303	411,1	443,3	429,1	328,1	
LVP1	FLEETS	ZLWP01	248	308,5	366,3	310,3	215,7	45

Linux on Z WORKLOADS

SYSTEM TOTAL CPU BY VMACHINE DETAIL

EPV for Linux on Z Help System



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This view shows the virtual machine CPU utilization profile, in IFL MIPS and the percentage of CEC. By clicking the combo-box at the top-right side of the table it's possible to choose the metric to analyze at the Monitor interval detail.

One line for each virtual machine is reported.

The FUNCTION variable can be used to group virtual machines based on some user meaningful criteria; it can be set by customizing the UEXFUNC member of the USERLIB library or in the USER PROFILE folder.

Simple and quick installation

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

Easy to use

Using EPV for Linux on Z 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 Linux on Z extremely usable and effective.

EPV for Linux on Z 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

- Hardware and software configuration.
- Configuration changes.
- Automatic IFL MIPS evaluation algorithm.
- IFL usage reports at global, z/VM system, virtual machine and process level; all fully navigable using drill down functions.
- LPAR weight analysis.
- Capture ratio analysis.
- Overhead analysis.
- Memory utilization and paging activity by z/VM system.
- Memory utilization and paging activity by virtual machine.
- Virtual machines analysis by state (running, idle or delay reason).
- Channel processor and bus utilization.
- Page/Spool utilization.

- I/O performance analysis by system and logical volume.
- A FUNCTION variable can be used to group virtual machine CPU utilization, in IFL MIPS, based on any user defined criteria.
- Most daily measurements both aggregated at the hour and at the Monitor interval.
- System, workload and resource trends by day, week and month, presented at personalized shift levels.

Automatic alerting

- EPV automatically provides a log of changes made to the system 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 Linux on Z 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.
- Comprehensive EPV help documentation educates technical staff concerning all the newest hardware and software technologies.
- EPV greatly increases control over hardware allowing you to reclaim resources by easily identifying and eliminating loops and anomalies.

EPV for Linux on Z Unique Pricing

- The EPV license is based on a one-time fee.
- Pricing depends on the number of collected z/VM systems, 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; 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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