



epv

IT Cost
Under Control

EPV for VMware

DATA
SHEET

EPV for VMware Overview

If you...

- can't get the information you need with a click of a mouse...
- feel that controlling so many different systems is an almost impossible task...
- are spending a lot of time writing code to transform data into information...
- never have the data you need when you have to prepare a report for your boss...
- are not sure you are using all the capacity you have in the most effective way.

EPV for VMware...

- is the ideal post-processing, performance monitoring and tuning solution for you...
- is an "out-of-the-box" solution for VMware HOSTS and GUESTS environments of any size and complexity...
- uses standard input data usually available in any environment...
- includes a free, light agent that collects all the input data needed from the standard VSPHERE SDK application program interface providing easy access to all the VIRTUAL CENTER HOST and GUEST information...
- 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 VMware provides:

- a complete vision of the "health" and condition of all the most important systems resources such as CPU, Memory, I/O, datastore space, etc.;
- the ability to aggregate systems by different CLUSTERS enabling faster and more effective control of large system estates;
- the ability to analyze all I/O components such as datastores, storage adapters, storage paths and virtual disks;
- the ability to compare systems using different benchmarks such as MHZ, SPECINT and many others;
- 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.

| | | | CPU | | | | | | MEMORY | | | | | |
|-----------|-------|--------|---------|--------|------|--------|--------|----------|--------|----------|--------|---------|---------|----------|
| HOST | TIME | guests | hostpct | pctrdy | cpus | minpct | maxpct | MHZ | mempct | consumed | active | Balloon | Swap_In | Swap_Out |
| prod-h102 | 00:00 | 13 | 31,5 | 8,4 | 32 | 9,0 | 28,0 | 14.601,5 | 68,0 | 267.362 | 21.955 | 0 | 0,0 | 0,0 |
| prod-h102 | 00:05 | 13 | 32,9 | 8,6 | 32 | 7,0 | 29,0 | 15.284,8 | 68,0 | 267.364 | 29.923 | 0 | 0,0 | 0,0 |
| prod-h102 | 00:10 | 13 | 34,9 | 8,8 | 32 | 8,0 | 31,0 | 16.190,6 | 68,0 | 267.367 | 28.184 | 0 | 0,0 | 0,0 |
| prod-h102 | 00:15 | 13 | 34,3 | 8,7 | 32 | 9,0 | 26,0 | 15.927,1 | 68,0 | 267.368 | 30.195 | 0 | 0,0 | 0,0 |
| prod-h102 | 00:20 | 13 | 30,1 | 8,5 | 32 | 9,0 | 26,0 | 13.964,3 | 68,0 | 267.380 | 27.907 | 0 | 0,0 | 0,0 |
| prod-h102 | 00:25 | 13 | 39,2 | 10,8 | 32 | 9,0 | 37,0 | 18.212,7 | 68,0 | 267.381 | 28.302 | 0 | 0,0 | 0,0 |
| prod-h102 | 00:30 | 13 | 36,3 | 8,8 | 32 | 9,0 | 31,0 | 16.866,4 | 68,0 | 267.382 | 33.090 | 0 | 0,0 | 0,0 |
| prod-h102 | 00:35 | 13 | 32,0 | 8,6 | 32 | 8,0 | 28,0 | 14.863,1 | 68,0 | 267.381 | 28.446 | 0 | 0,0 | 0,0 |

This view shows the most important CPU statistics for each ESX HOST by hour. The CLUSTER name will be included only for HOSTS managed by VCENTER. A detailed analysis for the HOST can be accessed from the link on the HOST name for all collection intervals. In order to access the GUESTS installed on the HOST you need to choose the link located in the "# GUESTS" column.

Simple and quick installation

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

Easy to use

Using EPV for VMware 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 VMware extremely usable and effective.

EPV for VMware 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 MYSQL or SQLSERVER 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 exceptions showing:
 - Missing HOSTS
 - HOST exceptions
 - GUEST exceptions
- Performance analysis starting from CLUSTERS, drilling down to any HOST and their GUESTS; the navigation can be performed for exceptions, software and hardware configurations and hardware resources utilization.
- CLUSTER balancing, check if DRS is distributing the load correctly.

- HOST and GUEST memory utilization and configuration.
- HOST and GUEST physical and virtual processor utilization and configuration.
- Datastore, disks, storage paths, storage adapters, virtual disk activity and latency reports.
- Network interface throughput.
- Extensive set of trend reports at hourly, daily, weekly and monthly level; customizable shifts are also provided.

Automatic alerting

- EPV automatically provides a log of changes made to the 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 VMware 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, application anomalies and abends.
- EPV allows you to control a large number of systems in just a few minutes.

EPV for VMware Unique Pricing

- The EPV license is based on a one-time fee.
- Pricing depends on the number of collected VMware hosts, not on the power of the machine, the power used or the number of installed processors.
- 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.

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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