HP Virtualization Performance Viewer (vPV)

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Matthias Precht, HP Software
matthias.precht@hp.com

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Managing Performance in a Hybrid World

Ensure Performance and Availability
Resolve Problems Quickly
Virtualization Performance Viewer (vPV)

- A triage tool to detect, diagnose and troubleshoot performance issues in virtualized and cloud infrastructures
- Targeted towards virtualization, cloud and systems admins as well as systems engineers
- Standalone product can integrate with other HP Software tools
- Fast time-to-value: visualize the data minutes after installation, easy to use
- Free version available to use in production
vPV 1:1 Extending Performance Management

Centralized performance management and troubleshooting

System Hypervisors
- VMware vCenter
- Microsoft Hyper-V
- Open Source Xen (SLES)
- Open Source KVM (RHEL)

Cloud Services
- OpenStack operating system (OS)
- HP Cloud Services Application Platform as a Service (PaaS)
Intuitive Views of Cloud and Virtualized Environments

Tree map to view the system at a glance

• Tree map helps to analyze patterns of interesting behavior, “hot spots”
• Provides the ability to identify patterns of problems, across elements of similar type
• Ordered listing of elements based on various factors – such as # of CPU cores or size of memory for hosts, or most dynamic to least dynamic (for a DRS cluster)
• Grouping and filtering to view hierarchy as well as ‘interesting’ subset
• Switch between hosts, VM, storage and other views easily via a navigation dashboard
Deep insight into your virtual and cloud environments

Performance workbench

- Explorer view of the environment
- Visualize performance of the entities and do triage
- Navigate on a time-range
- Assess problems that have occurred in the past
- Compare systems using performance counters
Understand the Trends and Operational summary

Reports and Dashboards

- Inventory report for virtualized elements
- Trends of usage, activity, utilization of different metrics
- Top and bottom Utilization of different metrics
- Hourly, daily, weekly reports in different formats
- Export and email reports
vPV: Integrated Virtual, Cloud and Physical Monitoring

Integration with HP Performance Manager, Operations Agent, BSM and Cloud Services

- Launch HP Performance Manager graphs from vPV
- Integrate physical and workload view
- Embedded in BSM Mashup for seamless user experience
- Monitors OpenStack OS and HP CS Application Platform as a Service (PaaS)
vPV – Value Proposition

Centralized View
- Supports multiple hypervisors
- Support for cloud environments

Identify Problems
- Diagnose issues early-on
- Detect patterns amongst instances
- Top-n, bottom-n views

Drill-down, fix
- In-depth counters
- Real-time reporting
- Relationships to guide navigation

Integration
- Summary
- Overview: Display all instances or sub-set
- Ordered display

Simplicity
- Simple to install
- Quick time to value
- Easy to use
- Low footprint tool
Download free tools from HP

- Download and install easily as a free tool for smaller environments (200 VMs)
  Virtual appliance or installer
- Register with your virtualization environment
  No additional configurations needed
- Start seeing value in <15 minutes
  Download the free version to use in production
  Low footprint
- Once you see the value in your production environment, you can purchase necessary licenses
Feature Comparison: Free vs. Licensed Version

<table>
<thead>
<tr>
<th>Features</th>
<th>Free*</th>
<th>vPV 1.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Retention</td>
<td>1 Day</td>
<td>3 Months</td>
</tr>
<tr>
<td>Reporting</td>
<td>No Reporting</td>
<td>Operational and Status</td>
</tr>
<tr>
<td>Authorization</td>
<td>No Authorization</td>
<td>Enterprise Directory Integration</td>
</tr>
</tbody>
</table>

* Free version supports up to 200 OS instances
Additional resources

HP Virtualization Performance Viewer:  hp.com/go/vpv

HP Software's Library of On-Demand Events:  hp.com/go/it
HP Software's Community of IT Professionals:  hp.com/go/swcommunity

HP Software Education Services:  hp.com/software/education
HP Software Support Services:  hp.com/go/hpswsupport
HP Software Professional Services:  hp.com/go/hpswprofessionalservices
Danke