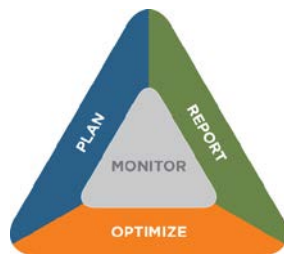


vOPS™ Reporting & Chargeback

vOPS™ Reporting & Chargeback, part of the VKernel vOperations Suite™, enables virtualization administrators to query and report on Microsoft Hyper-V, Red Hat Enterprise Virtualization (RHEV) and VMware vSphere environments, bill and chargeback, gain cost visibility, and securely distribute virtual environment reports. Additionally, multiple Microsoft Systems Center and VMware vCenter instances can be federated to provide a single reporting access point for an environment. Reporting & Chargeback is simple to download, easy to install, and provides immediate value.

Part of the vOperations Suite

VKernel vOPS Reporting & Chargeback is one of four applications that make up the VKernel vOperations Suite – an award-winning set of integrated products for monitoring, planning, optimization, reporting, and chargeback for virtual environments.



How Reporting & Chargeback Works

VKernel Reporting & Chargeback is integrated into VKernel’s vOperations Suite which collects information from Systems Center and vCenter. vOPS™ then feeds the data into VKernel’s patent-pending Capacity Analytics Engine™ which analyzes thousands of data points across the entire virtual environment in order to:

- Collect infrastructure configuration information and annotations for every VM

from one or multiple System Centers or VMware vCenters

- Profile each application workload (VM) and its consumption of CPU, memory, disk and network resources over time
- Enable user-defined resource costs at the application or hardware level
- Provide the ability to search, sort, or filter on every detail and annotation field per VM and build custom views and reports
- Provide capabilities to distribute reports through web integration, email and SNMP

Visualize Virtual Machine Costs

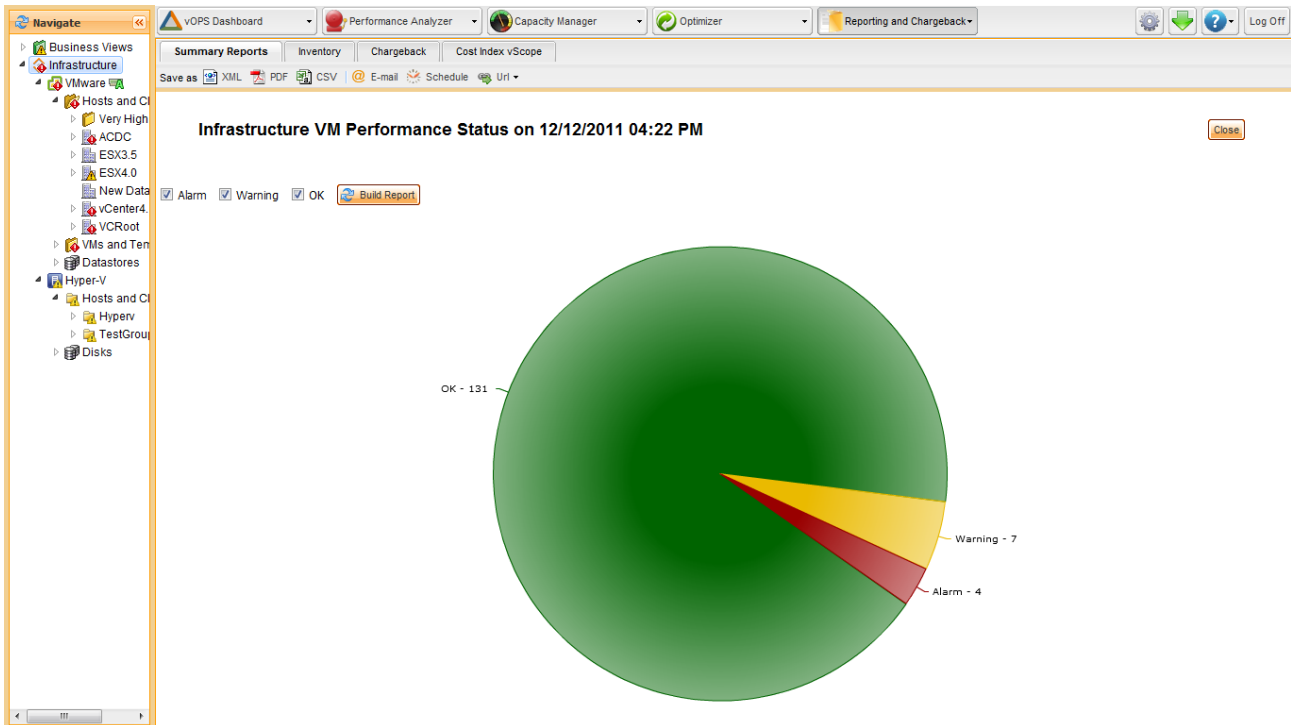
Reporting & Chargeback features the Virtualization Cost Index that visually stack ranks all VMs in an environment by the operational cost of operating the VM. Double clicking on a VM will present the actual costs and “corrected” cost for operating the VM as adjusted by the VM density of the host that the VM is running on.

Virtual Environment Reporting for Customers and Other Stakeholders

Reporting & Chargeback generates reports on VM density, creation, activity issue counts and resource utilization.

Secure Web Integration and Multiple Distribution Methods for Reports

Reports for customers and other stakeholders can be embedded into web-based portals, dashboards, and other systems that external users have access to. Importantly, reports can be access-controlled with permissions set by Active Directory or further specified customized permissions. Reports can also be exported in PDF, CSV, or XML format on an ad hoc basis or sent via SNMP or email to other stakeholders.



Chargeback for VM Use and Resource Allocations; Show Business Units IT Costs

Virtualization administrators require costs visibility for different reasons. Some require the information for billing or chargeback purposes. Other environments use cost data for budgeting and cost justification.

Reporting & Chargeback will automatically detect VM allocations and begin profiling resource usage. Billing by allocation is based on the amount of CPU, memory, storage, and network assigned to a VM. Actual usage calculations use the same parameters but calculate values based on resources consumed. After setting hardware pricing, fixed costs, and associating VMs to customers, chargeback reports can be generated. VM cost overrides can be set as well for fixed-cost VM calculations.

Query Environments for Configuration, Deployment, and Change Management

Reporting & Chargeback collects information for

each VM from one or many Systems Center and vCenter servers. This information is organized into “Excel like” tables and makes it easy for virtualization administrators to answer questions such as, “Which VMs have not been patched?”

System Requirements

vOPS (with Reporting & Chargeback) requires:

- 4 vCPUs
- 8 GB of memory
- 64 GB of storage space
- VMware ESX 3.0 or vCenter 2.5 or higher (if installed as a VMDK)
- Microsoft Systems Center Operations Manager 2007 R2 (if installed as a VHD)
- Microsoft Systems Center Virtual Machine Manager 2008 R2 U1 (if installed as a VHD)

Support

For technical support please visit <http://www.vkernel.com/support>, email support@vkernel.com or call +1 978 289 6300

VKernel
300 Brickstone Square, Suite 503
Andover, MA 01810
Phone +1 (978) 289-6300
Fax +1 (978) 289-6301



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Alliance Partner

