

VKernel vScope Explorer™

VKernel vScope Explorer is a free tool that visualizes the performance and capacity health for all VMs, hosts and datastores in a virtual environment. This is accomplished through intense analysis of 20 key VM performance metrics for CPU, memory and storage usage using VKernel's patent-pending Capacity Analytics Engine™.

Health results are then visually presented through a "traffic light" themed heat map where each virtual object is represented by a colored square. Severe issues are displayed in red, emerging problems in yellow, and virtual objects that are healthy are green. Importantly, vScope Explorer is highly scalable and can display thousands of virtual objects on one screen.



Identify Host and VM Performance Issues

vScope Explorer assesses the performance health of all hosts and VMs. Existing or emerging issues are displayed in an easy-to-read heat map. This allows a VM administrator to assess the performance health of all VMs and hosts in an environment on one screen. Mousing over a VM or host will show a pop up dialogue box with a brief description of the issue a VM is experiencing.

Find Capacity Issues in Hosts

vScope Explorer assesses the remaining capacity of all hosts. Additionally, the analytics behind vScope Explorer run predictive models which forecast when a resource will become scarce or when performance problems based on resource

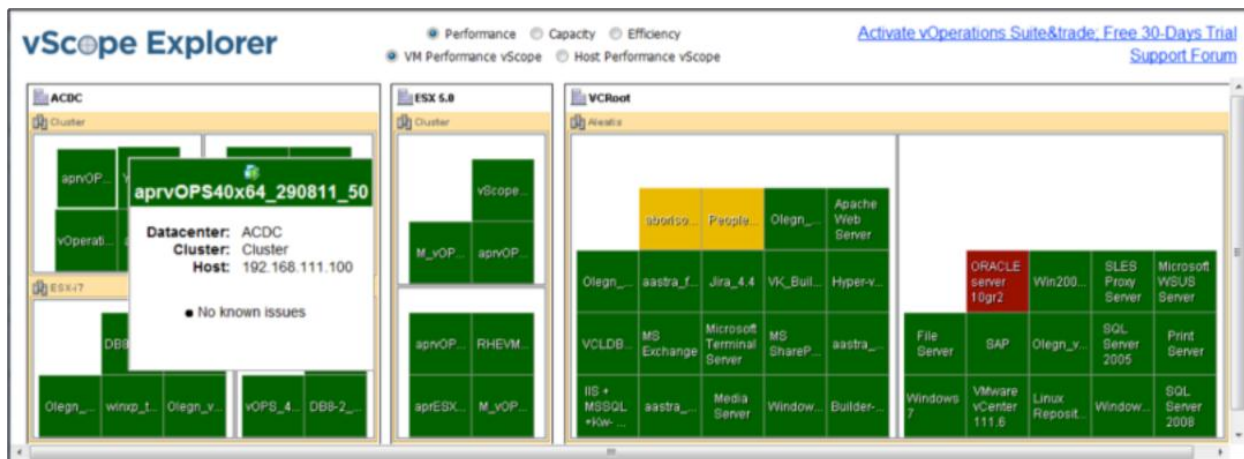
shortages may occur. This visualization ability allows a VM administrator to assess the capacity status for all hosts in an environment on one screen. Mousing over a host will show a pop up dialogue box with a brief description of the capacity status or forecasted issues a host may soon experience.

Spot Inefficient VMs and Datastores

vScope Explorer assesses the resource efficiency of all VMs in an environment based on peak and average usage of CPU, memory and storage. Datastore efficiency is also assessed with regards to the volume of unused VM-related data files. The end result is a display of all VMs that are over or under-allocated in resources and datastores that have a high degree of data waste such as abandoned VMDKs or unused snapshots. This allows a VM administrator to assess the resource efficiency of all VMs and datastores in an environment on one screen. Mousing over a VM or datastore will show a pop up dialogue box with a brief description of why that virtual object is being used inefficiently.

Project Environment Health on to a Data Center NOC Screen

vScope Explorer's highly scalable, color-coded heat maps are ideal for monitoring environment health for the entire virtualized environment for VM administrators in a data center NOC. vScope Explorer can display thousands of virtual machines on a single screen which can be projected on a data center wall.



Because vScope Explorer is packaged as a virtual appliance, it can support multiple log-ins from different browser sessions, so that performance status for hosts and VMs, capacity status for hosts, and efficiency status for VMs and datastores can all be assessed simultaneously from the same vScope Explorer appliance and projected on different screens.

See all VMs, Hosts, and Datastores Across an Infrastructure on one Screen

vScope Explorer can federate multiple vCenter servers, allowing for a single pane of glass view of all VMs, datastores and hosts in an environment. Additionally, all VMs, hosts and datastores are presented in context, so VMs are seen within hosts, which are seen within clusters, and clusters are included within the data center that they are a part of. This context allows for VM administrators to also assess which clusters and even entire data centers in a large infrastructure may be facing performance, capacity or resource efficiency issues based on the multiple VMs or hosts that are showing severe issues within the visualization.

Resolve Issues Identified by vScope Explorer with a vOperations Suite Trial

For virtualized data centers that would like to take the next step and resolve issues that vScope

Explorer identifies, a trial of VKernel vOperations Suite™ is easily accessible by clicking on the trial activation link on the top right corner, filling out a quick contact information form, and then inserting the trial key that is subsequently emailed. Accessing the vScope feature within each vOperations Suite application will allow for drill-down reporting for each identified issue that displays root cause and resolution steps for the issues. vScope Explorer will remain available during and after a trial of the vOperations Suite.

System Requirements for vScope Explorer

- 4 vCPUs
- 8 GB of memory
- 64 GB of storage space
- VMware ESX 3.0 or vCenter 2.5 or higher

Support

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

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