

HPE Cloud Optimizer for HPE OneView

Extending HPE OneView with capacity optimization



- **Unified view** of your physical enclosure and virtual cluster layout
- **Assess risk** to your cluster deployments
- **Reclaim waste** and lower cost with optimization analysis
- Manage and plan for capacity with forecast and **what-if modeling**

Siloed processes are making it increasingly difficult for infrastructure administrators to manage their infrastructure efficiently and meet the demands of the business.

- What is the impact of bringing down a server or an enclosure?
- What is the risk to my current environment due to non-ideal cluster configurations?
- Are my clusters well balanced to handle planned or unplanned downtime?
- Do I have enough infrastructure resources to meet future capacity needs of my business?

If you are faced with these questions, you require:

- A unified view of the physical and virtual infrastructure layouts
- A capacity optimization engine that is able to forecast and model future capacity needs
- A platform to assess infrastructure risk and remediate before downtime strikes

This can be achieved by capacity optimizer capabilities in HPE Cloud Optimizer (formerly Virtualization Performance Viewer or vPV).

HPE Cloud Optimizer is a heterogeneous virtualization and cloud-ready, enterprise-class software that helps you maintain the fine balance between keeping the operational efficiency of your physical and virtual environment high while also lowering capital and operational expenditures by providing right-sizing information for better utilization of your environment.

With seamless integration to HPE OneView, HPE Cloud Optimizer complements the single-pane-of-glass manageability for the physical infrastructure elements (Servers, storage, and networking) offered by HPE OneView with the capacity optimization capabilities for physical, virtual, and cloud.

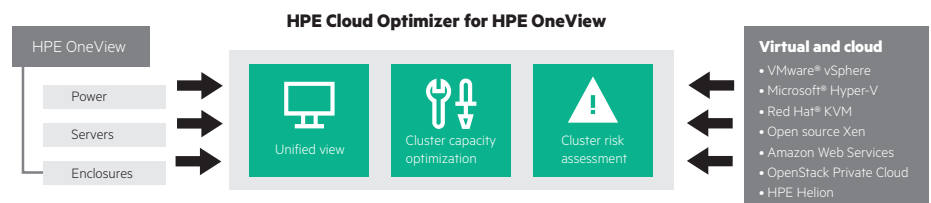


Figure 1: Capacity optimization with HPE Cloud Optimizer for HPE OneView

Virtualization and cloud ready

HPE Cloud Optimizer is vendor neutral and supports a variety of hypervisors, and private and public cloud environments. This provides a consistent way of triaging and diagnosing performance problems, modeling future capacity requirements, as well as assessing risk to the business services due to planned or untimed downtime of physical hosts or enclosures.

HPE Cloud Optimizer supports VMware vSphere, Microsoft Hyper-V, KVM, Open source Xen, Amazon Web Services public cloud, and OpenStack Private Cloud deployments.

15 minutes to value

HPE Cloud Optimizer abstracts the complexity of virtualization resulting in seeing value in just 15 minutes. The intuitive user interface and minimal configuration for administration negates the need for an expert to get started. Once deployed, the intuitive interface allows you to choose between viewing your environment at a high level of abstraction and drilling down into an individual virtual machine for granular information.

Plan for your business growth

Why buy new infrastructure if your existing infrastructure can support future planned workload growth? HPE Cloud Optimizer helps you plan for the future, taking into considering your current and projected workload needs. Our forecasting algorithms are designed to factor in momentary peaks or troughs in utilization so that they do not affect the overall capacity forecasting recommendations.

Seamless HPE OneView integration

An enclosure-level view with an overlay of virtualization cluster layout empowers your infrastructure administrator to assess the risk of a planned or unplanned downtime of a server or the entire enclosure on clusters or business groups served by that server or enclosure. Powered with this information, the infrastructure administrator can choose to rebalance or flex the cluster to enable optimal configuration for better workload performance.

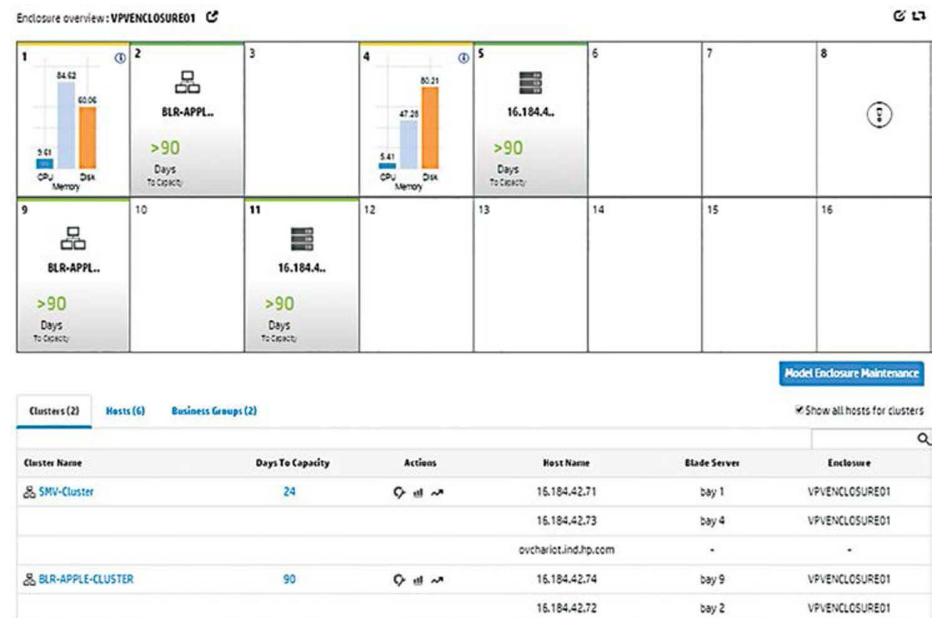


Figure 2: Unified view of virtual infrastructure overlaid on physical infrastructure

Enterprise-class, integrated solution

HPE Cloud Optimizer is designed to support small operating environments to large deployments. While HPE Cloud Optimizer can operate as a standalone product, it can also be easily integrated with other HPE products such as HPE OneView, HPE Operations Bridge, HPE Cloud Service Automation, and HPE Operations Orchestration so that you can leverage your investment in HPE. Also, HPE Cloud Optimizer exposes REST APIs to integrate into other vendor products as well.

How do I get started?

- **Download** a free 60-day trial for your full environment
- Contact your HPE representative or authorized channel partner today to purchase HPE Cloud Optimizer for HPE OneView

PRODUCT NUMBER	DESCRIPTION	LICENSE UNIT
M5R19A	HPE Cloud Optimizer for HPE OneView LTU	Server
M5R19AAE	HPE Cloud Optimizer for HPE OneView E-LTU	Server

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hpe.com/software/cloudoptimizer



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