

Cisco Workload Optimization Manager

Continuously optimize for best performance

Applications are the lifeblood of your business. Helping ensure that those applications run at peak efficiency requires effective allocation, configuration, and placement of both applications and their supporting infrastructure. Changing a single element without considering the effect of that change on your whole environment can impair application performance. What if resource assignments are inadequate? Will an on-premises or public or hybrid cloud deployment deliver the greatest cost efficiency? What if demand suddenly increases? Manual response to changes translates to risk. Risk translates to delays. Slow is the new down.

Safeguard your business with Cisco® Workload Optimization Manager. Market-based algorithms cost-effectively match application demand with infrastructure supply so that you can keep pace with changes in your business. Detailed, full-stack visibility enables real-time adjustments to resources when demand rises and falls. Think of Workload Optimization Manager as your business' thermostat, adjusting to help you maintain and control peak performance for the lifeblood of your business (Figure 1).

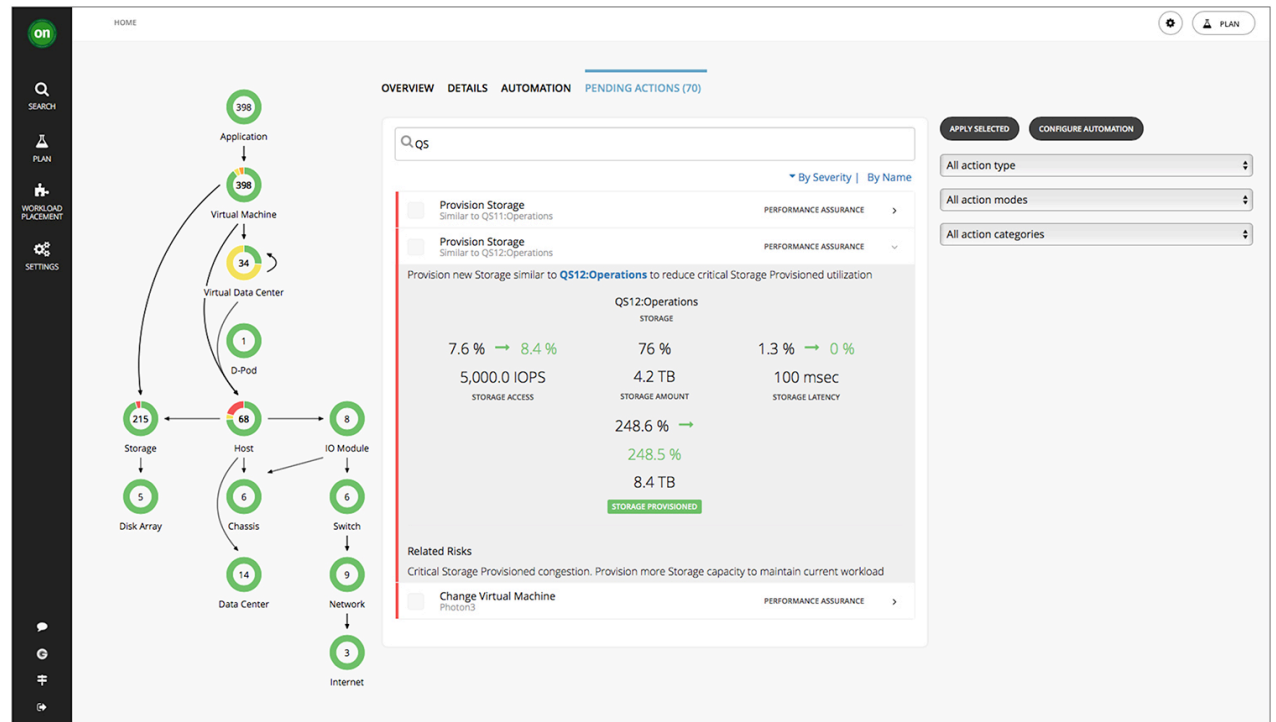
Benefits

- **Increase IT staff efficiency** by reducing workload-related tickets and troubleshooting tasks by 50 percent.
- **Eliminate resource starvation** by aligning application demand with infrastructure supply in real time.
- **Enhance budgetary efficiency** with top-to-bottom cost comparisons for workloads placed on premises and in public and hybrid cloud environments.
- **Help ensure future application performance** by modeling prospective resource and optimization configurations based on workload demand.

“IT leaders are realizing the need for dynamic optimization technology because of the rapid expansion of cloud services and the desire to contain costs or reduce risk.”

Gartner
February 2017

Figure 1. Cisco workload optimization manager's decision engine identifies the need to provision more storage



The power of economics

Workload Optimization Manager uses macroeconomic theory to optimize application performance. It transforms your data center into an economic market of supply and demand in which workloads make their own resource decisions. Starting with the virtualization layer, it discovers all infrastructure components and their associated relationships. The economic algorithms allow workloads to consider all resources needed to support applications cost effectively. Applying 16 different metrics, it recommends reallocation of resources—not just across one component, such as CPU, but across the entire application stack.

Elastic scaling of infrastructure

Are your applications operating at peak efficiency? Workload Optimization Manager can deliver elastic scaling of resources to help ensure that applications receive the right resources at the right time and cost. For additional information, visit <https://www.cisco.com/c/dam/en/us/solutions/collateral/data-center-virtualization/one-enterprise-suite/solution-overview-c22-739078.pdf>.

Workload Optimization Manager enables you to:

- Replace overprovisioning techniques with real-time provisioning or decommissioning of resources to allow you to unlock the potential of underutilized resources
- Set up a software control system that continuously monitors and reallocates resources to help ensure peak application performance
- Create “what if” scenarios to provide detailed guidance to help you plan for future resource needs based on workload demand