Optimize Hyperconverged Workloads

With Cisco Workload Optimization Manager and Cisco HyperFlex systems



Performance



Trustworthy actions



Self-managing

How will you get the most out of your hyperconverged infrastructure?

Hyperconverged systems rose out of the need to simplify IT and increase its ability to adapt quickly. IT leaders leverage hyperconverged infrastructure to free their organizations from the yoke of cumbersome infrastructure management. But without also assuring performance, simplifying the infrastructure cannot guarantee agility.

The solution

Cisco HyperFlex™ systems deliver flexible and scalable enterprise-class hyperconverged solutions that simplify infrastructure management. With Cisco® Workload Optimization Manager, you get hyperconverged infrastructure that simultaneously optimizes performance, cost, and compliance in real time. Workloads get the exact resources they need, at the right time, and always in accordance with business policies.

Cisco Workload Optimization Manager with Cisco HyperFlex systems enable true IT agility, delivering predictable performance on elastic hyperconverged infrastructure.

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Benefits

- Predictable performance ensures IT agility
- Trustworthy actions safely maximize elasticity
- Self-managing workloads scale with complex environments

Use cases

- **Optimize cluster performance.** Cisco Workload Optimization Manager determines when, where, and how to move and resize existing workloads to safely increase efficiency and maintain continuous health across Cisco HyperFlex clusters.
- **Intelligently scale compute and storage resources.** Cisco Workload Optimization Manager scales Cisco HyperFlex compute and storage resources independently based on real-time workload consumption, safely driving elasticity in hyperconverged clusters.
- **Maximize elasticity across hybrid cloud.** Cisco Workload Optimization Manager propels performance and elasticity on premises with Cisco HyperFlex environments and can intelligently take advantage of Amazon Web Services and/or Azure public cloud resources when needed.
- **Modernize at the pace of your business.** Cisco Workload Optimization Manager's capacity management capabilities help you quickly model infrastructure and workload growth scenarios to determine how much infrastructure you will need and when you will need it.

Architectural overview

Cisco Workload Optimization Manager and Cisco HyperFlex integrate tightly to ensure predictable application performance on elastic hyperconverged infrastructure. Cisco Workload Optimization Manager uses APIs to collect data and understand the environment. It then analyzes the data to determine the specific actions required to continuously maintain health in the environment (Figure 1). This delivers IT agility in the form of infrastructure simplicity and predictable performance.

Conclusion

Digital transformation increases both the dynamic complexity and volume of workloads, seriously challenging an IT organization's ability to deliver cost-efficient quality of service. To keep up, organizations should leverage intelligent software to help ensure predictable performance on elastic hyperconverged infrastructure.

For more information

- cisco.com/go/workloadoptimization
- cisco.com/go/hyperflex

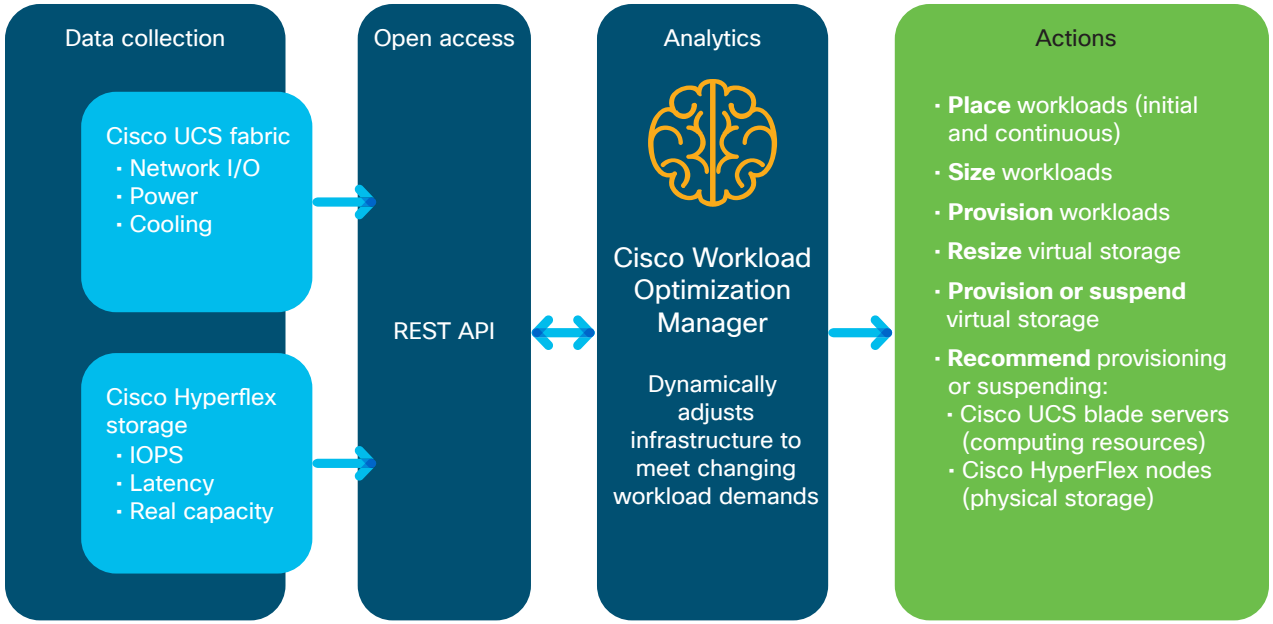


Figure 1 Cisco Workload Optimization Manager dynamically adjusts infrastructure to meet changing workload demands

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