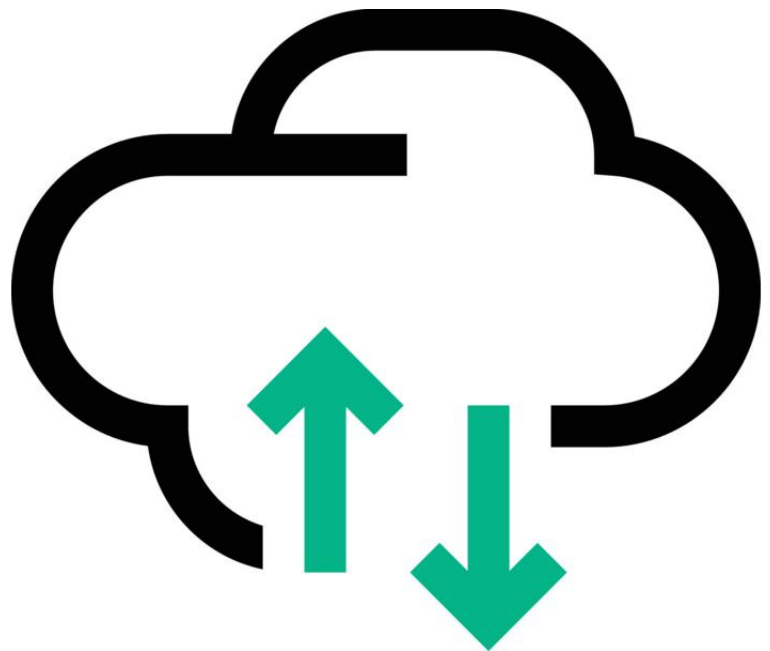




HPE 3PAR OPTIMIZATION SUITE

Storage Device Management Software



OVERVIEW

HPE 3PAR Optimization Suite gives virtual and cloud datacenters the ability to optimize service levels autonomically, affordably, and on a large scale. Optimization Suite delivers the powerful capabilities of HPE 3PAR Adaptive Optimization, Dynamic Optimization, and System Tuner Software combined into a single suite. With Optimization Suite, users can leverage fine-grained, autonomic tiering with Adaptive Optimization to optimize service levels at the sub-volume level; react quickly to changing application and infrastructure requirements with Dynamic Optimization to non-disruptively alter service levels associated with a storage volume (RAID level, subsystem failure protection level, drive type, stripe width, and/or radial

placement) and to rebalance entire system or given storage volumes, each with a single click; and maintain balanced performance with System Tuner that non-disruptively detects potential bottlenecks and hotspots and rebalances volumes to maintain peak performance.

FEATURES

Autonomic Service Level Optimization Delivers Cost Savings and Enhances Agility

Adaptive Optimization matches data at the sub-volume level to the most cost-efficient resource capable of delivering the needed service level, so the right QoS is delivered to the right data at the right time.

Adaptive Optimization delivers sub-volume optimization that allows customers to reduce costs by meeting stringent performance targets with a lean premium Solid State Disk (SSD) tier while highly economical, widely striped enterprise SATA drives are used to meet broader capacity requirements.

Application-specific controls and comprehensive support for “thin” and “fat” volumes, volume copies, and metadata enable service level optimization for broad deployments to deliver maximum savings.

Intelligently monitors sub-volume performance and then applies user-specified policies to autonomically and non-disruptively move data.

Leverages the proven, fine-grained data movement engine built into HPE 3PAR Operating System Software. This data movement engine has been widely deployed by HPE 3PAR clients for non-disruptive rebalancing of storage volumes using HPE 3PAR Dynamic Optimization Software.

Aligns Application Requirements with Data QoS Levels Flexibly, Precisely, and on Demand

Dynamic Optimization non-disruptively alters service levels associated with a storage volume with a single click, without pre-planning or impacting application performance. Each storage volume resides on a single tier, but maintains mobility between tiers throughout the application lifecycle.

Delivers one-button system rebalance to drive large-scale performance optimizations autonomically and non-disruptively after adding new resources to the system or moving a large number of volumes between tiers.

Can be used to seamlessly adjust the RAID level, subsystem failure protection level, drive type, stripe width, or radial placement of volumes to achieve optimized data QoS levels.

Maintains Peak Performance with Administrative Simplicity, Flexibility, and Control

System Tuner targets underperforming storage at the sub-volume level by identifying fine-grained capacity units that fall below a specific user-definable threshold.

Automatically identifies and relocates underperforming chunklets to optimize performance and eliminate bottlenecks.

All pre-existing service level parameters, such as RAID levels and disk type, are fully maintained.



Runs completely in the background and is non-disruptive to users and applications

Configurable thresholds can be adjusted according to multiple criteria related to service times.

Technical specifications

HPE 3PAR Optimization Suite

Supported hardware environment

HPE 3PAR Storage Systems

Compatible operating systems

HPE 3PAR Operating System



For additional technical information, available models and options, please reference the [QuickSpecs](#)

HPE POINTNEXT SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[HPE Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

HPE Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

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- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

HPE GREENLAKE

[HPE Greenlake](#) is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product
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