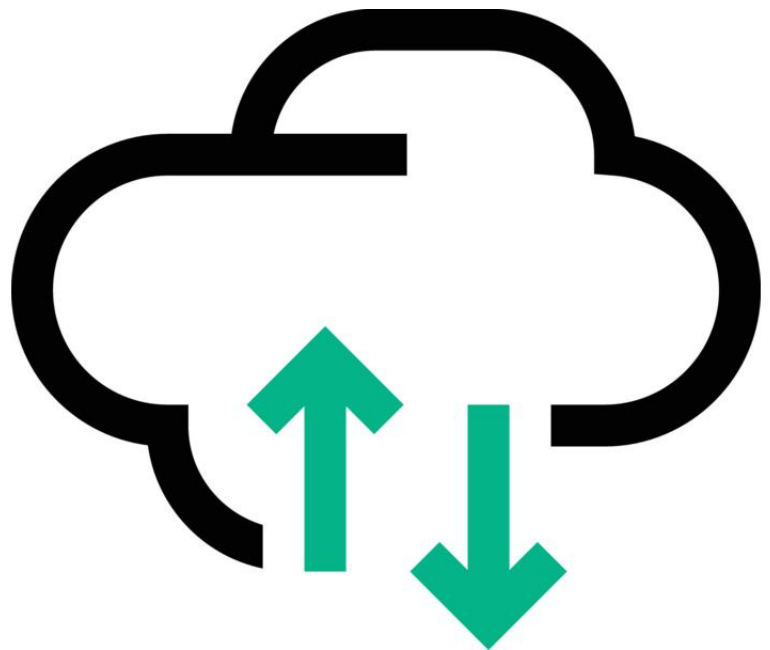




HPE 3PAR ADAPTIVE OPTIMIZATION SOFTWARE

Storage Device Management Software



OVERVIEW

Do you want to optimize service levels effortlessly, on a large scale, and for a lower total cost than other solutions?

The HPE 3PAR Adaptive Optimization Software is a granular, policy-driven, autonomic storage tiering solution that delivers service level optimization for virtual and cloud data centers to reduce cost while increasing agility and minimizing risk. Adaptive Optimization Software delivers the next generation in autonomic storage tiering by taking a fine-grained, highly automated approach to service level optimization. Policy-

driven, granular data movement takes place autonomically, providing highly reliable, non-disruptive, cost-optimized storage tiering at the sub-volume level to deliver the right QoS to the right data at the right time on a large scale.

FEATURES

Service Level Optimization Delivers Cost Savings

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.

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 Nearline (enterprise SATA) drives are used to meet broader capacity requirements.

Leverages SSDs to allow customers to meet virtual and cloud performance demands in a smaller footprint and for up to a 30 percent lower storage equipment costs than using Fibre Channel drives alone.

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.

Starting service levels for each application can be configured independently and flexibly to match the desired service level and cost.

Autonomic Solution Enhances Infrastructure Agility

Enables IT managers to react swiftly to changing business needs while delivering service level optimization over the entire application lifecycle, autonomically and non-disruptively.

Offers QoS gradients for application prioritization modes (performance, balanced, cost) to shift data at a granular level toward the most appropriate resources according to changing QoS demands.

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

Works with HPE 3PAR System Reporter Software to allow administrators to prioritize each application by configuring an adaptive optimization configuration with up to three storage tiers defined by drive type, RAID level, stripe width and/or radial placement of data.

Flexible, Proven Implementation Minimizes Risk

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 StoreServ clients for non-disruptive rebalancing of storage volumes using HPE 3PAR Dynamic Optimization Software.

Protects against user impact by incorporating a high degree of user control and several policy override mechanisms. A flexible implementation allows data movement to be scheduled and resource usage limits and tier definitions to be varied by application.

Allows for user-configurable analysis periods, collection of performance data after cache, and built-in stability mechanisms that prevent data thrashing.



Supports multiple Adaptive Optimization configurations and the co-existence of tiered and non-tiered application volumes, delivering the ability to consolidate a wide range of applications onto a single array.

Technical specifications

HPE 3PAR Adaptive Optimization Software

Supported hardware environment

HPE 3PAR StoreServ Storage

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.

- Advise, design, and transform
- 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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