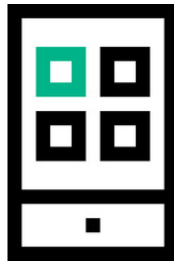




# HPE 3PAR THIN PROVISIONING SOFTWARE

## Storage Device Management Software



### OVERVIEW

Do you have storage pools that aren't really efficient?

HPE 3PAR Thin Provisioning Software solves the problem of inefficient capacity utilization by breaking the traditional linkage between allocated and purchased capacity. Demand for thin provisioning solutions combined with increased attention to data center power consumption has put pressure on vendors to introduce thin provisioning solutions, but bolt-on implementations can't deliver the simplicity or the efficiency of Thin Provisioning.

With HPE 3PAR Thin Provisioning, capacity is dedicated and configured autonomically, just-in-time, and without active management. Rather than create separate pools of storage, the software creates one pool from which capacity is dedicated only as data is actually written. And while other thin provisioning implementations use coarse allocation units that can range from 1 MB to 17 GB, HPE 3PAR Thin Provisioning uses a fine-grained, 16 KB allocation unit to increase system efficiency.

## FEATURES

### **Enables Organizations To Do More with Less by Reducing Upfront Storage Costs**

HPE 3PAR Thin Provisioning Software minimizes upfront disk drive purchases by reducing the number of disks required to store application data thanks to a “dedicate-on-write” approach that consumes physical capacity only as it is actually needed for written data.

Draws and configures capacity in fine-grained increments from a single free space reservoir without pre-dedication of any kind—even for data with varying service level requirements, enabling enterprises to consolidate onto a single, dynamically tiered storage array with a reduced footprint.

Fine-grained allocation unit size of just 16 KB (as compared to 1 MB ? 17 GB with other solutions) prevents small writes from consuming megabytes or even gigabytes of capacity or from filling volumes during file system setup before application data is ever written.

Leverages the massive scalability of the HPE 3PAR Storage System to enable customers to grow as business needs dictate by adding capacity easily and as needed instead of making a large up-front investment when legacy systems reach their capacity limits.

Works with HPE 3PAR Virtual Copy Software and HPE 3PAR Remote Copy Software to eliminate unnecessary duplication of unwritten capacity during local and remote volume replication.

### **Reduces Operating Costs by Making Storage More Agile and Efficient**

HPE 3PAR Thin Provisioning Software capacity reductions cut SAN costs, floor space requirements, and energy expenses up to 75%, easing recurring facilities and energy costs by eliminating the need to house, power, and cool drives that may not be needed for months or years to come or ever be needed.

Autonomic implementation enables administrators to “set it and forget it”. Capacity is dedicated and configured intelligently, just-in-time, and without active management without planning or the need to configure storage into intermediary pools.

Reduces not only storage administration, but also system and database administrator workloads.

Minimizes license fees paid for many storage software products that are based on system capacity, such as SRM tools.

Enables lifetime, application-tailored storage to be provisioned in just seconds and with just a few clicks from within the unified HPE 3PAR Management Console, which offers industry-leading ease of use.

### **Reduces Risk and Improves Return on Investment To Shift Resources from Operations to Innovation**

HPE 3PAR Thin Provisioning Software enables a greater number of projects to be initiated for a lower cost by allowing more applications to be deployed with less infrastructure .

Expedites deployment of new applications and services by eliminating volume planning and manual provisioning.

Eliminates application downtime associated with reconfiguring volumes and adding capacity to applications.



Frees IT from having to wait on budget allocation and storage purchasing to initiate new projects that will generate return for the business; allows instantaneous deployment of new applications and provisioning of storage for new clients without depending on the traditional storage purchasing cycle.

Administrator-configurable allocation warnings and limits remove risk and the need for proactive monitoring by providing redundant mechanisms for automatically notifying administrators when physical capacity is being depleted and by preventing “runaway applications.”

## Technical specifications

## HPE 3PAR Thin Provisioning Software

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### Supported hardware environment

HPE 3PAR Storage Systems

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

## HPE POINTNEXT SERVICES

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### Operational Services from HPE Pointnext Services

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[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.

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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


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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.

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