

# Veritas NetBackup™ Flex Scale

Cyber resilient, increased scalability,  
easy to deploy and operate.

Veritas Validated HP Node

## Overview

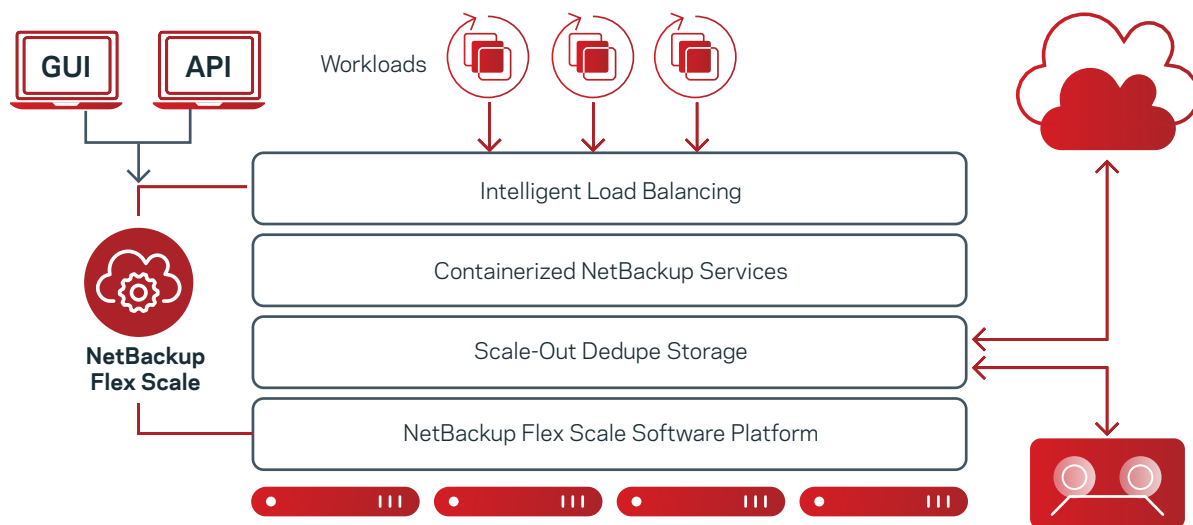
Organizations are developing new data protection strategies as they modernize their data centers. They are deploying hybrid and private clouds to take advantage of the scalability, economies, and operational simplicity of the public cloud, while maintaining control over data to meet privacy and regulatory requirements. Application owners want automated data protection that includes intuitive, cloud-like interfaces — with cyber resiliency built-in, not added on. Organizations want to standardize on off-the-shelf servers for data protection appliances to take advantage of economies of scale while minimizing support and maintenance costs.

## Automated, Scale-Out, Enterprise-Class Data Protection

NetBackup Flex Scale extends NetBackup with an automated, containerized, scale-out architecture. Now, organizations can easily scale industry-leading NetBackup in performance and capacity as they grow and change. Application owners can easily manage data protection for their workloads with an intuitive interface based on a comprehensive set of application programming interfaces (APIs) and software development kits (SDKs).

NetBackup services are automatically installed and enabled at the time of the deployment, without any involvement from the user. Workloads are automatically balanced and scaled across the NetBackup Flex Scale cluster for maximum backup and recovery performance.

Infrastructure scales non-disruptively in performance and capacity by simply adding nodes. The complete hyperconverged infrastructure is managed from the same interface as the NetBackup services.



Veritas Validated Platform Nodes

Figure 1. NetBackup Flex Scale Block Diagram

## Product Highlights

- **Ransomware resilience:** Protect the data and infrastructure with immutable storage and the ability to implement an isolated recovery environment (IRE) domain to recover from ransomware faster and with less risk of reinfection.
- **Complete NetBackup data protection:** Protects 800+ data sources supporting legacy and modern workloads.
- **Scale-out, containerized architecture:** Easily manage and deploy data protection services with seamless scalability.
- **Security and compliance:** Support for Security Technical Implementation Guides (STIGs) and Federal Information Processing Standards (FIPS).
- **Easily integrate with existing NetBackup deployments:** Implement a scale-out strategy without the disruption caused by the need to perform a data migration.
- **Optimized and distributed deduplication:** Includes application-aware and global dedupe, with the option to choose between variable and fixed-length, and better client-side deduplication.
- **Software-defined, scale-out solution:** Non-disruptively expands your data protection solution to avoid islands of data protection.
- **Dynamic resiliency increases with cluster size:** Ensures continual data protection and increases resiliency as your cluster size grows.

## Data Protection for the Complete Enterprise

With NetBackup Flex Scale, enterprises can extend NetBackup data protection as they modernize their data centers. NetBackup Flex Scale is deployed with standard NetBackup licenses and Veritas validated platforms offered by approved hardware vendors. Organizations can use their existing NetBackup licenses with NetBackup Flex Scale.

Now, an enterprise can deploy a single data protection solution for all its workloads and environments. Standard NetBackup software and NetBackup appliances support the broadest range of workloads and offer organizations deep control of their data protection infrastructure. Organizations can consolidate deployments, simplify management, and add ransomware resiliency with NetBackup Flex appliances. NetBackup Flex Scale addresses the scalability, automation, and scale-out infrastructure needs of the emerging, modern data center.

## Veritas Validated Platform

NetBackup Flex Scale is based on a hyperconverged, scale-out architecture using Veritas validated platforms. Each NetBackup Flex Scale node is an Intel-based standard hardware server pre-loaded with NetBackup Flex Scale software. NetBackup Flex Scale is deployed in a scale-out cluster of between four and 16 nodes.



Figure 2. Veritas validated HP node, based on the HPE ProLiant DL380 Gen11

## NetBackup Flex Scale 5561 Node (Veritas validated HP node) Specifications

### General Specifications

Specification	NetBackup Flex Scale 5561 Node - HPE DL380 Gen 11					
Processor	Dual 20 Cores, 40-threads Intel Xeon-Silver 4416+ Processors					
Memory	16 TB Node Model - 192 TB Memory	20 TB Node Model - 384 TB Memory				
Min # of Nodes	4					
Max # of Nodes	16					
Standard Rack Units	2U per node (increment by one or multiple nodes at a time)					
Networking Connectivity	<b>In system:</b>					
	NIC count	Ports	Total	Speed	Port type	Purpose
	2	2	4	10/25 Gbps	Intel-E810	Public and private network
	1	4	4	1 Gbps	BASE-T OCP3	Management network
Onboard Storage	<b>Additional: Fibre channel HBA add-on option</b>					
	HBA count	Ports	Total	Speed	Port type	Purpose
	1	2	2	32Gb	HPE SN1610Q	VMware SAN transport & tape out
16 TB Model 20 TB Model	Media type	Interface	Device count	Device size	Purpose	
	SSD	NVMe	2	1.92 TB	OS support	
	SSD	NVMe	2	7.68 TB	Catalog	
16 TB Model 20 TB Model	Media type	Interface	Device count	Device size	Purpose	
	HHD	SAS	12	16 TB	Backup Data	
	HHD	SAS	12	20TB	Backup Data	

Physical Dimensions		Power and Cooling Requirements	
Width	44.54 cm (17.54 in.)	Max power draw	725.74 W / hr
Height	8.73 cm (3.44 in.)	Typical power draw	514.89 W/hr
Depth	73.25 cm (28.84 in.)	Max cooling demand	2474.79 BTU / hr
Weight	24.5 Kg (54 lbs)	Typical cooling demand	1755.78 BTU/hr

### About Veritas

Veritas Technologies is the leader in secure multi-cloud data management. Over 80,000 customers—including 91% of the Fortune 100—rely on Veritas to help ensure the protection, recoverability and compliance of their data. Veritas has a reputation for reliability at scale, which delivers the resilience its customers need against the disruptions threatened by cyberattacks, like ransomware. No other vendor is able to match the ability of Veritas to execute, with support for 800+ data sources, 100+ operating systems and 1,400+ storage targets through a single, unified approach. Powered by Cloud Scale Technology, Veritas is delivering today on its strategy for Autonomous Data Management that reduces operational overhead while delivering greater value. Learn more at [www.veritas.com](http://www.veritas.com). Follow us on X at [@veritastechllc](https://twitter.com/veritastechllc).

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