Veritas NetBackup Flex Scale

## Simple to Scale, Easy to Operate, Ransomware Resilient.

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 with intuitive, cloud-like interfaces. Organizations want to standardize on off-the-shelf servers for primary storage and data protection 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.

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
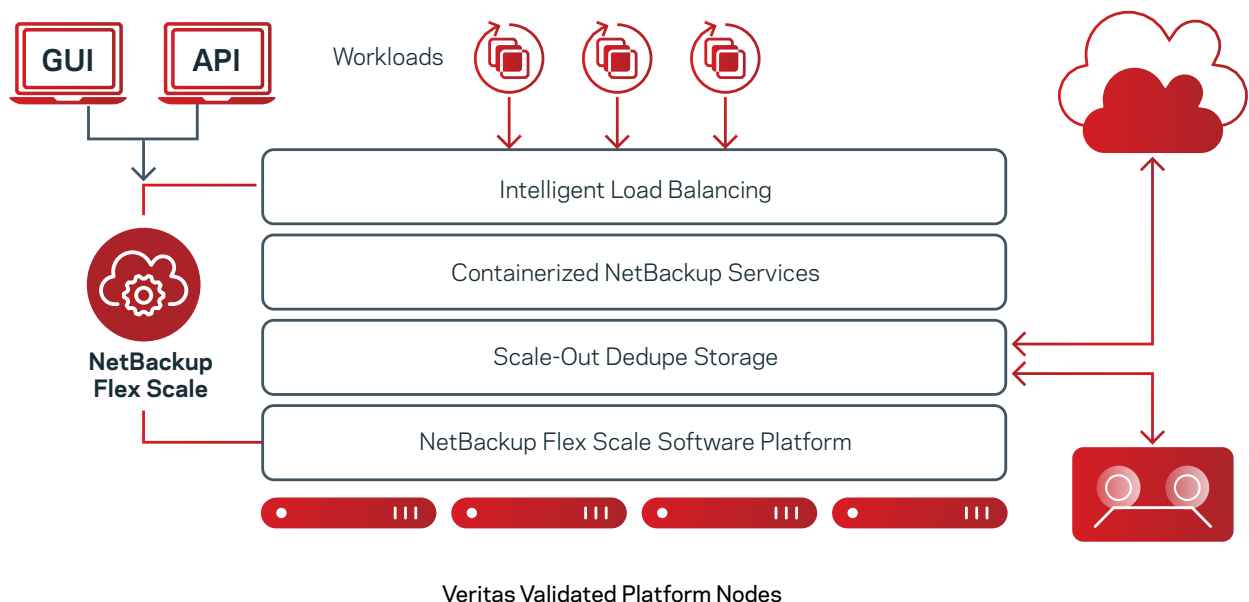
Product Highlights

- **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 scaleability.

- **Ransomware Resilience**—Protect the data and infrastructure with immutable storage.

- **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 a data migration.

- **Optimized and distributed deduplication**—Includes application-aware dedupe with the option to choose between variable and fixed-length and better client-side deduplication.

- **Software-defined, scale-out solution**—With a Veritas validated platform.

- **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 address 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 4 and 16 nodes.
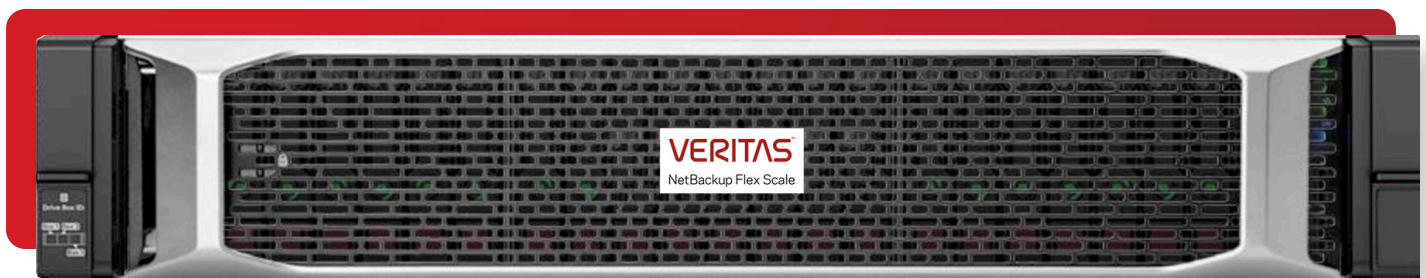
NetBackup Flex Scale Node

NetBackup Flex Scale 5551 Node Specifications

General Specifications

Specification	Veritas NetBackup Flex Scale 5551 Node
Processor	Dual 16-core, 32-thread Intel Xeon Processors
Min # of Nodes	4
Max # of Nodes	16 (increment by one or multiple nodes at a time)
Standard Rack Units	2U per element
Networking Connectivity	In system:
Onboard Storage	

In system:

NIC count	Ports	Total	Speed	Port type	Purpose
2	2	4	10/25 Gbps*	SFP	Cluster, client
1	4	4	1 Gbps	RJ45	Management
1	4	4	1 Gbps	RJ45	IPMI

Onboard Storage:

Purpose	Media type	Interface	Device count	Device size
Backup Data	HDD	SAS	12	14 TB
Metadata	SSD	SATA	2	7.76 TB

10/25 Gbps SFP is supported with public network, whereas private network supports only 25 Gbps SFP

Physical Dimensions

Specification	
Width	44.54 cm (17.54 in.)
Height	8.73 cm (3.44 in.)
Depth	73.02 cm (28.75 in.)
Weight	24.5 Kg (54 lbs)

Power and Cooling Requirements

Specification	
Max power draw	500 W / hr
Typical power draw	350 W/hr
Max cooling demand	1706 BTU / hr
Typical cooling demand	1150 BTU/hr

About Veritas

Veritas Technologies is a global leader in data protection and availability. Over 80,000 customers—including 87 percent of the Fortune Global 500—rely on us to abstract IT complexity and simplify data management. The Veritas Enterprise Data Services Platform automates the protection and orchestrates the recovery of data everywhere it lives, ensures 24/7 availability of business-critical applications, and provides enterprises with the insights they need to comply with evolving data regulations. With a reputation for reliability at scale and a deployment model to fit any need, Veritas Enterprise Data Services Platform supports more than 800 different data sources, over 100 different operating systems, more than 1,400 storage targets, and more than 60 different cloud platforms. Learn more at www.veritas.com. Follow us on Twitter at @veritastechllc.

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