

# Veritas NetBackup™ Flex Scale

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

As IT departments adapt to the rapidly changing business environment, their data centers also evolve. Several trends are emerging as organizations modernize their data centers and develop data protection strategies. The cloud has changed the way organizations deploy and maintain IT infrastructure.

IT departments are building hybrid and private clouds to take advantage of public cloud–like agility, scalability, and ease of use, while maintaining control over their data and meeting regulatory requirements. Correspondingly, there is a shift to software on off-the-shelf servers for primary storage and data protection to take advantage of economies of scale and minimize costs.

Protection against cyberattacks is a top priority for IT departments. Data protection solutions are a key defense to recover quickly to safeguard your company's data and brand. NetBackup Flex Scale is the latest extension of NetBackup that delivers a cyber resilient data protection appliance that is scalable, highly resilient, and simple to manage and deploy.

Today, NetBackup supports more than 800 workloads ranging from traditional applications to workloads in the cloud. This unrivaled foundation of experience in data protection has been achieved by extending NetBackup with support for new workloads as they are introduced into the enterprise. With the introduction of the NetBackup Flex Scale hyperconverged scale-out deployment option, Veritas delivers complete, ransomware resilient enterprise-wide data protection and disaster recovery aligned to the needs of the workload.

## Pay-as-You-Grow, Scale-Out Architecture Optimized for Data Protection

To meet the needs of cloud-like scalability and ease of use, Veritas now offers organizations the flexibility to deploy NetBackup as a scale-out, automated data protection service. Veritas always starts with data protection first. Rather than adapting NetBackup to use a standard scale-out file system, Veritas designed a completely new containerized, hyperconverged architecture that enables the scaling of NetBackup services, performance, and capacity.

- Enterprise-grade NetBackup data protection and disaster recovery from the most trusted and widely deployed data protection solution
- No-compromise scaling, resiliency, and massive performance
- Administration through automation, accelerating data protection as a service delivery

NetBackup Flex Scale automatically scales performance and capacity as data protection demands increase. There is no need to over-provision for future growth. Adding nodes automatically increases distributed, cluster-wide resources. NetBackup Flex Scale software is delivered on Veritas validated off-the-shelf servers, providing enterprise-class data protection and hardware commonality in the data, reducing costs and simplifying provisioning and management.

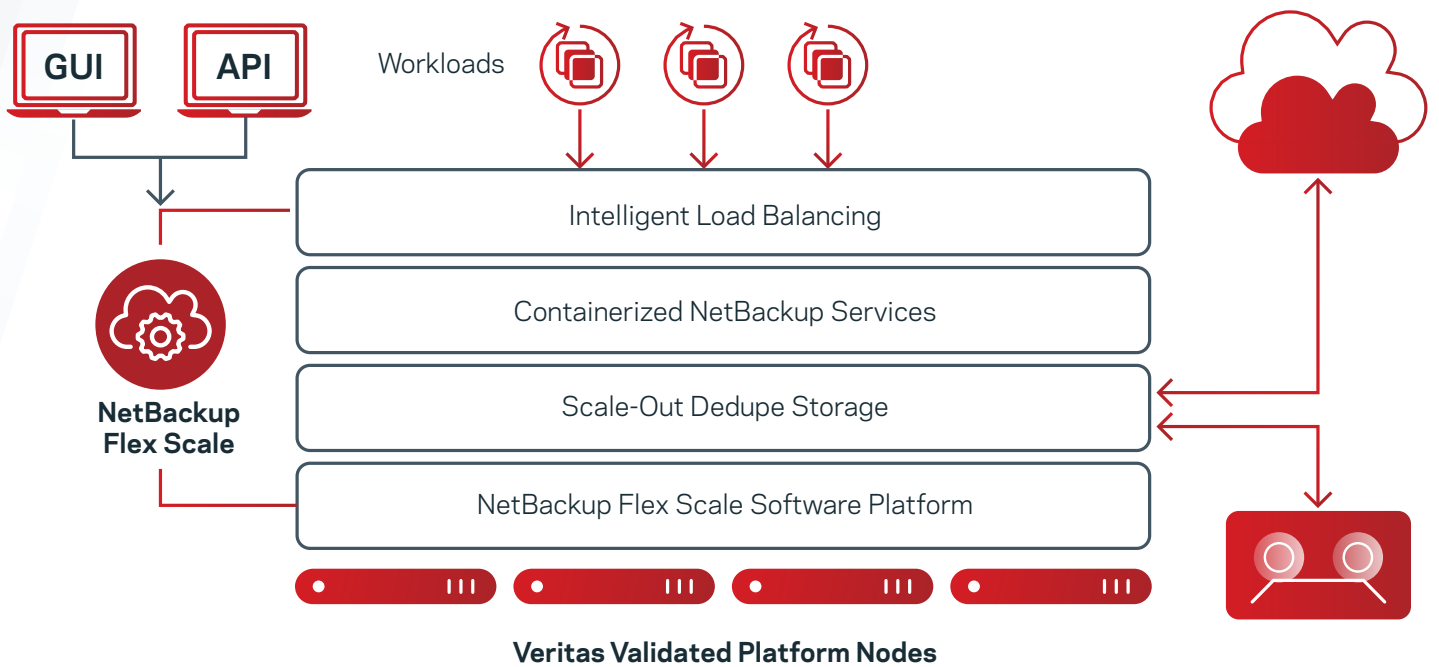


Figure 1. NetBackup Flex Scale Block Diagram

## A Major Advancement in Automated IT Operations

NetBackup Flex Scale reduces the challenges in rapidly adapting to the changing business environment with automated features that optimize performance and recovery to meet stringent service-level agreements (SLAs). NetBackup Flex Scale reduces the need for specialized IT resources with automated operations, including:

- Provisioning
- Performance
- Scaling
- Load-balancing
- Recovery
- Automated-upgrade process

NetBackup Flex Scale's automated IT operations optimize time to value by accelerating data protection as a service delivery and reducing the risks associated with manual tasks. And as workloads grow, it minimizes complexity and reduces TCO.

## Immutable and Indelible Enterprise-Class Cyber Resiliency

There is no single way to protect your data, because there are many attack points that cybercriminals use to wreak havoc on your systems, including server, applications, APIs, filesystems, and operating systems. For each of these attack points, you need to prevent access to these points, limit user and process permissions, and restrict access to destructive operations. Building your own secure infrastructure is extremely challenging and even harder to maintain as newer vulnerabilities are identified.

NetBackup Flex Scale was designed around a zero trust security model that is based on the never trust, always verify principle. With its zero trust architecture, users, devices, services, and processes are not trusted, and require identity verification along with the least privilege resource access. Flex Scale appliances implement the zero trust mode on multiple levels, all resulting in blocking access to data destruction operations.

## NetBackup Flex Scale Multi-Tiered Cyber Resilient Architecture

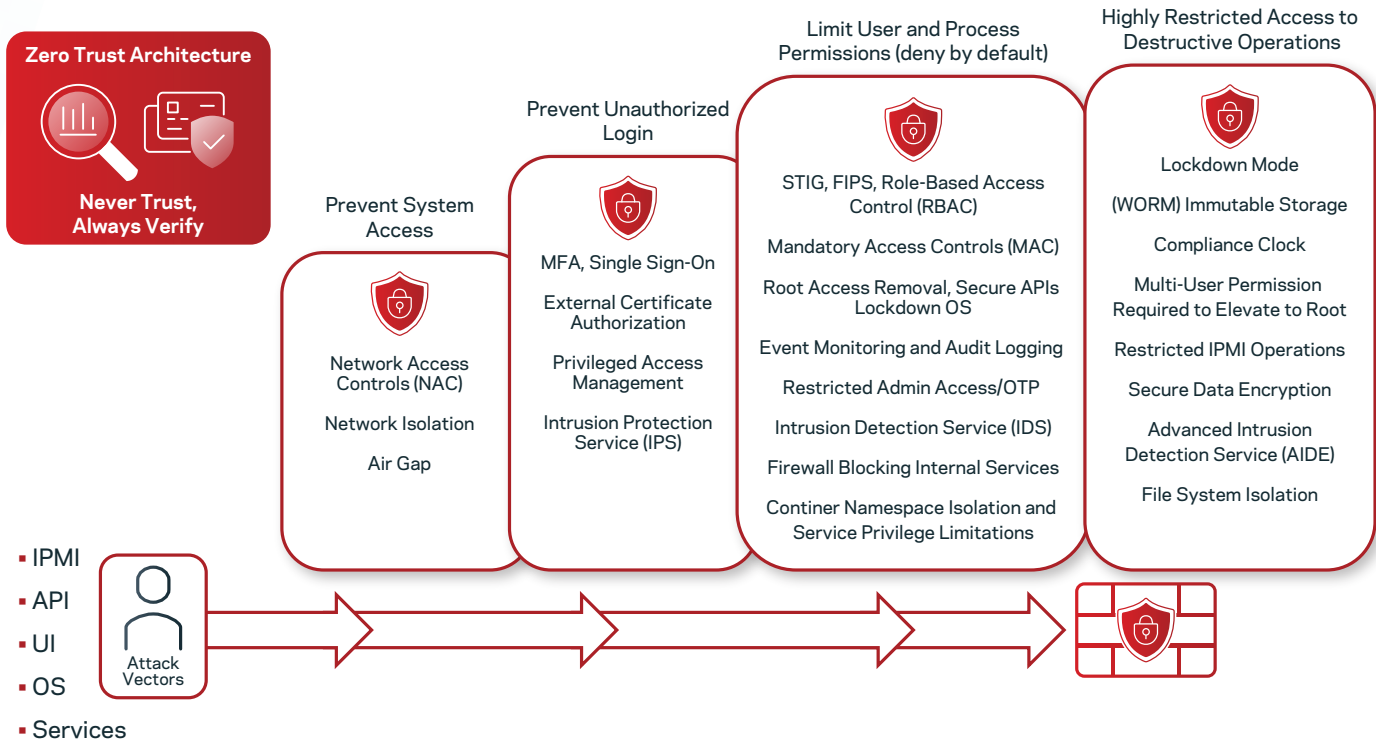


Figure 2. Delivering Immutable and Indelible Enterprise Class Cyber-Resiliency

The main zero trust cyber resiliency barriers may be grouped into the following objectives (see Figure 2):

- Restricting system network access
- Preventing unauthorized user login
- Limiting user and process permissions at the operating system and applications
- Restricting access to destructive storage operations

Even if a barrier is penetrated, the appliance security controls become more restrictive at every stage to reduce the risk of damage to the backup data.

Applying the NetBackup Flex Scale zero trust multi-tier solution enables your company to counter cyberthreats with confidence.

### Automated Scaling, Upgrades, and Technology Refresh

NetBackup Flex Scale's automated, containerized services abstract cluster management. Adding nodes to a NetBackup Flex Scale cluster automatically increases cluster-wide resources, including containerized NetBackup services, performance, and capacity. The containerized abstraction of NetBackup services eliminates the time-consuming manual tasks of managing cluster hardware, data protection policies, or client software.

NetBackup Flex Scale uniquely employs resource prioritization for backup/restore operations and over-node scaling/rebalancing jobs, ensuring critical SLAs are met. NetBackup Flex Scale's containerized architecture also makes software downloads and upgrades directly from the NetBackup web UI or API fast and easy.

## Reduce Time to First Backup by Up to 95% with Integrated API Automation

NetBackup Flex Scale includes a comprehensive set of application programming interfaces (APIs) and software development kits (SDKs) that facilitates rapid, automated as-a-service deployment and management of data protection services.

NetBackup's secure, programmatic access supports third-party and internally developed apps, streamlining data protection on-premises and in the cloud.

The APIs include integration with cloud-based workflows such as ServiceNow and vRealize, improving operational efficiencies with enterprise-driven, automated policies.

## Optimize Your Overall Data Center TCO with NetBackup Deployment Options

An organization must optimize its data protection infrastructure based on the number of workloads it runs, the types of users accessing data protection, and the environment — including remote offices, a centralized data center, or the cloud. A one-size deployment model does not fit all, and multiple point products drive up complexity and increase risk. Only Veritas provides the ability for organizations to optimize their data protection and total cost of ownership (TCO) with the right mix of NetBackup scale-up, scale-out, and cloud-native solutions for all workloads, users, and environments.

NetBackup Flex Scale gives you the flexibility to easily deploy a complete scale-out solution with a new deployment, or scale-out an existing NetBackup deployment. This provides an organization with the capability to design a backup system optimized for their user needs, and opens the option to incorporate a scale-out infrastructure without a forklift upgrade or disrupting operations.

## NetBackup Software on Veritas Validated Platforms

NetBackup Flex Scale is delivered as an appliance on the organization's choice of standard Veritas validated off-the-shelf servers, enabling it to maximize existing hardware supplier relationships and lower overall TCO. Based on years of experience supplying turnkey, purpose-built data protection appliances, Veritas works with validated partners to ensure NetBackup Flex Scale nodes easily integrate into the data protection environment and seamlessly deliver support and service for software and hardware.

### 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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