StratiSERV *Platform*

Enterprise-grade Hypervisor and Management

STEELDOME

THE ENTERPRISE HYPERVISOR AND MANAGEMENT PLATFORM

StratiSERV is a cutting-edge, enterprise-grade hypervisor designed to support hundreds of physical servers and thousands of workloads. It is hardware-agnostic, offers a single price per host, and ensures high availability with support for both virtual machines (VMs) and containers.

Simplicity

Virtualization solutions often come with confusing licensing models and escalating costs year after year. StratiSERV eliminates this complexity by decoupling software from hardware. You can use whatever hardware you already have, whether new or old, and choose any storage you prefer. We've simplified pricing with a single cost per host, per year, regardless of how the host is configured. That's it.
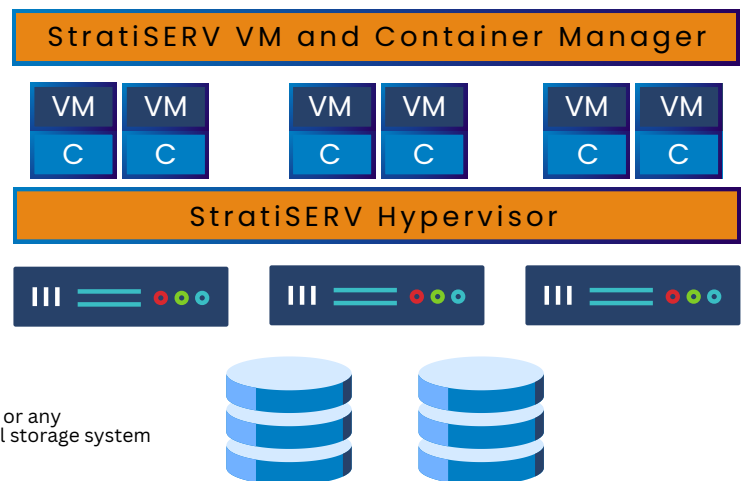
Scalability

One of the most challenging tasks for IT is adding capacity to existing infrastructure. With StratiSERV and StratiSTOR (SteelDome's SD storage cluster), the simplicity of design and ease of use enable seamless scaling. New appliances can be integrated into a running cluster within minutes, without any disruption to ongoing workloads.

Flexibility

StratiSERV supports container workloads with ease. Simply flip a switch, and you'll have a fully featured container cluster management platform ready for production workloads. With built-in redundancy and backup capabilities, StratiSERV stands out as a versatile and highly available platform

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- Web-based interface
- Centralized Management
- Enterprise Grade
- Simple Licensing

- Redundant
- Backup Capabilities
- VMs and Containers
- Hardware Agnostic

Virtualization with **StratiSERV**

StratiSERV VM and Container Manager

VM VM   VM VM   VM VM
C C   C C   C C

StratiSERV Hypervisor

StratiSTOR or any commercial storage system

Use Cases

## Seeking Alternative HCI/DHCI Architecture

StratiSERV offers an open-standards-based virtualization technology that delivers a robust hyperconverged solution, providing a flexible and cost-effective alternative to traditional HCI/DHCI architectures.

VMware and Nutanix Replacement

Avoid the extreme costs and potential hardware lock-in associated with VMware and Nutanix, while still maintaining comparable enterprise features and capabilities with StratiSERV.

Seeking Maximum Flexibility and Value

StratiSERV's software provides the freedom of choice, allowing customers to maximize value by choosing the hardware and storage that best meets their needs, without compromising on performance or functionality.
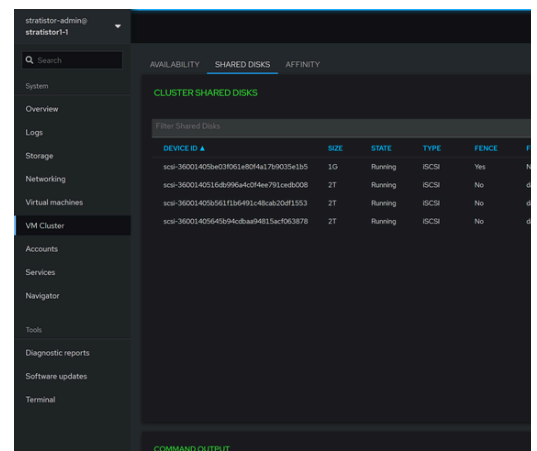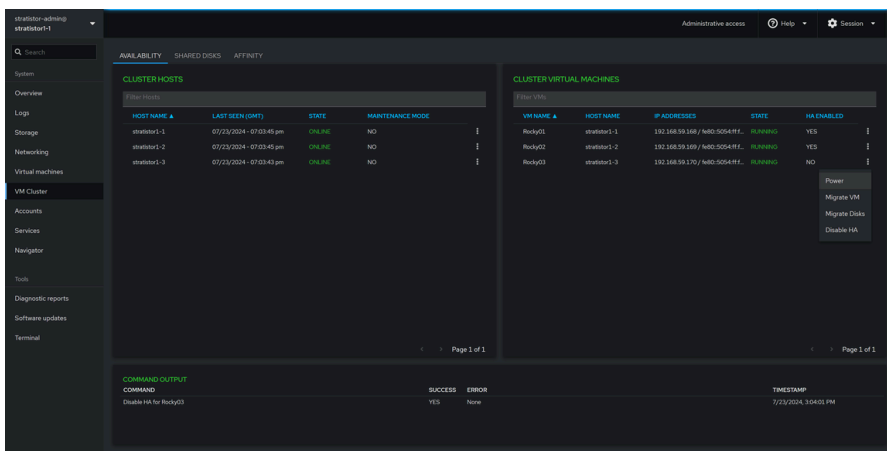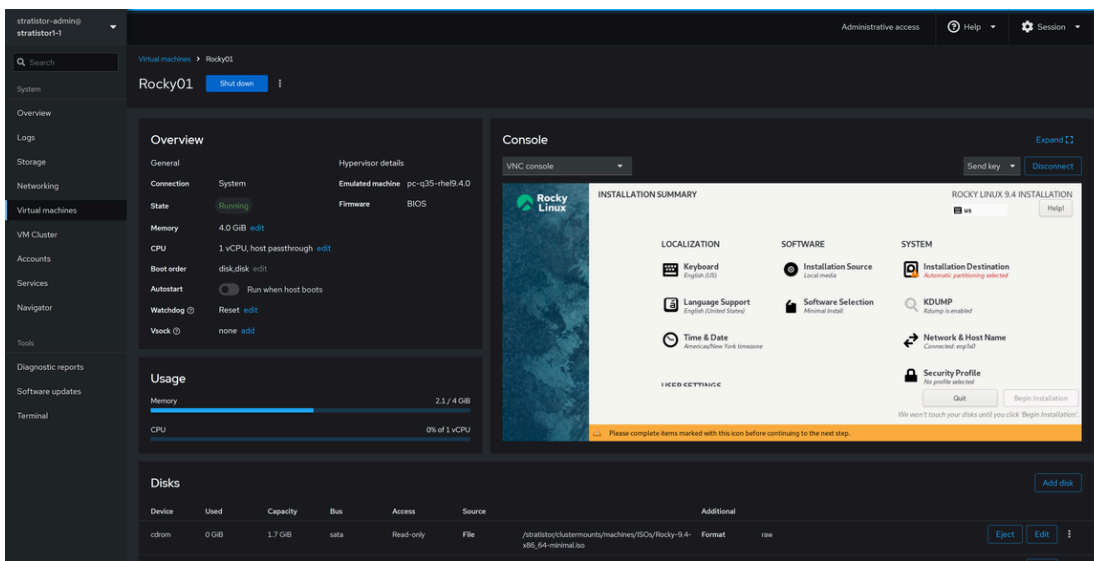
StratiSERV Management Interface
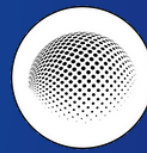
STEELDOME

StratiSTOR

Massively scalable software-defined storage cluster

SD Storage Cluster

StratiSTOR is a massively scalable software-defined storage cluster that delivers enterprise-class storage services for the most demanding environments without limits.

Legacy storage architectures are ill-equipped to meet the demands of today's rapidly evolving IT landscapes. As enterprises continue to grow, the volume of data they generate reaches unprecedented levels, surpassing the capabilities of outdated systems.

StratiSTOR

- Rapid Provisioning, Deployment and Expansion
- Hardware Agnostic
- Support for VMs and Containers

- Eliminate Rip-and-Replace
- Eliminate Migration Cycles
- Eliminate Future Capacity Concerns
- Eliminate Future Performance Concerns

Software-Defined

Software allows for maximum flexibility. Typically deployed on bare-metal physical hardware given its nature as a production tier-1 storage platform, it also can be deployed on any public or private cloud platform. Customers who choose to deploy in a public cloud platform are usually seeking a SAN-like experience in the cloud where performance is typically poor or unpredictable.

Scalability

No defined limitations on storage capacity, node count or performance. Start with three nodes and scale to 300, start with 10 terabytes of capacity and scale to 10 exabytes, need 100k IOPS or 30 million. The software will take you wherever you need to go.

Storage Cluster

Compared to traditional storage systems which have a finite amount of capacity, performance and redundancy, storage clusters are not subject to these limits. Clusters are made up of server nodes (or controllers) which collectively operate as a single entity and can scale vertically (aka. capacity) or horizontally (aka. controller or node count) as necessary.

Enterprise-class

Enterprise-class refers to a platform's reliability. With a storage cluster, multiple **simultaneous** failures can occur such as drive failures, network failures, entire node failures, even an entire site failure which will not result in an outage.

Traditional Storage Systems *VS* StratiSTOR Storage Cluster

Legacy Architecture

Isolated storage form islands which cannot interoperate or share data and contribute their capacity and performance independently.

- Limited Hardware Choice
- Limited Scale
- Limited Performance
- Limited Availability
- Forms Islands
- Heavy Initial Cost
- EOL Migration

StratiSTOR Architecture

StratiSTOR forms a **unified storage system** which operates as a single system and scales capacity and performance linearly.

- Use Any Hardware
- Unlimited Scale
- Unlimited Performance
- Unlimited Availability
- Unified System
- Grow-As-You-Go
- No Migration... Ever

StratiSTOR is one of the most powerful and flexible storage technologies available today. Due to it's nature as a pure software technology, it can span any deployment scenario. It can run on any x86 virtual or physical server platform and utilize any storage device or service is has connectivity to.

Deployments

Bare-Metal Deployment
Used to provide tier-1 enterprise storage services in place of legacy array based SAN and NAS solutions.

Private Cloud Deployment
Used to provide enterprise class storage services within a local cloud environment without the need for additional hardware.

Edge Deployment
Used to provide high-speed highly-available small-form-factor (SFF) deployments with technologies such as Intel NUCs, Lenovo ThinkCentre and ThinkStation, or any other SFF x86 system.

Public Cloud Deployment
Used to provide SAN-like experience in the cloud where storage performance is largely unpredictable due to the shared and often overcommitted nature of public cloud resources.
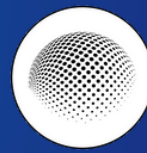
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InfiniVault Platform

Data Protection and Backup Appliance

Virtual Data Protection Appliance

InfiniVault is a highly-secure, software-based data protection appliance. It leverages any public cloud provider or local storage resource to distribute and store data under its protection. As data is written to the vault, it goes through a series of processes which ensure data survivability, integrity, security and true immutability. All of these processes are crucial, but immutability through a mechanism called Data Cloaking, is the most significant in preventing the impact of ransomware.

InfiniVault

The InfiniVault works as a software-defined storage technology which advertises as a common storage device (i.e. SAN/NAS) to the network using standard network protocols.

Comprehensive Protection

InfiniVault isn't limited. Protect data from private systems to public cloud platforms. It guards your information using immutable snapshots and data cloaking techniques, ensuring only authorized eyes have access.

Deployment Made Easy

Embrace flexibility with InfiniVault, deployable anywhere a virtual machine runs. From public clouds like Amazon AWS, Microsoft Azure, and Google Cloud Platform to private setups with VMware or Microsoft Hyper-V, InfiniVault adapts to your needs without demanding local storage.

Architecture
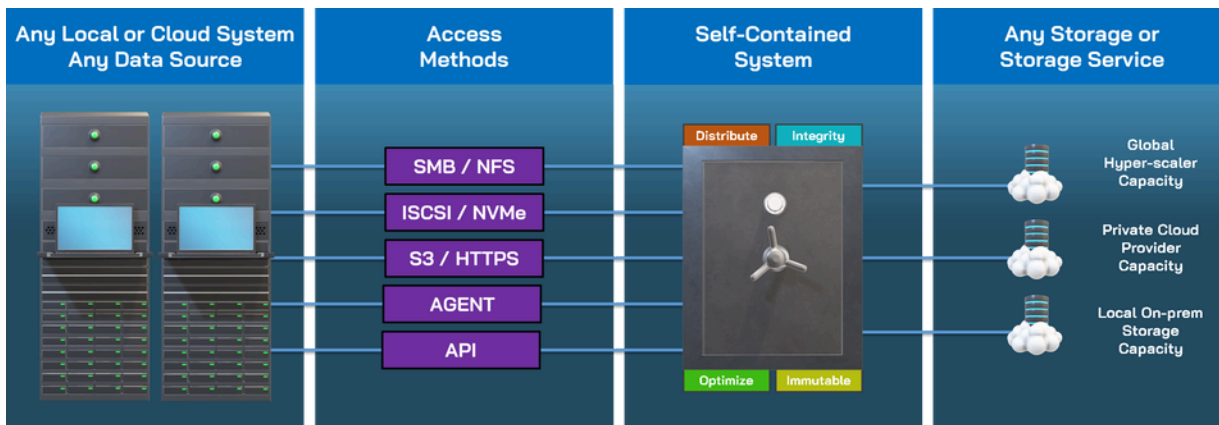
Features at a Glance

- Supports popular services like OneDrive, Google Drive, O365 Mail, Gmail, and more.
- Live workload support ensures business continuity.
- Non-disruptive scaling and zero-trust framework for uncompromised security.
- Innovative zero-day defense and live person multi-factor authentication.
- Offers geographical provider diversity for global reliability.
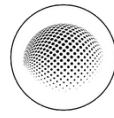
Use Cases

Backup Augmentation

Enhancing existing platforms such as Datto, Veeam, Commvault, or any other.
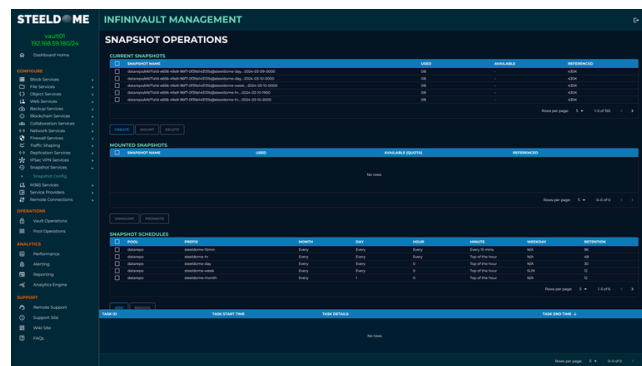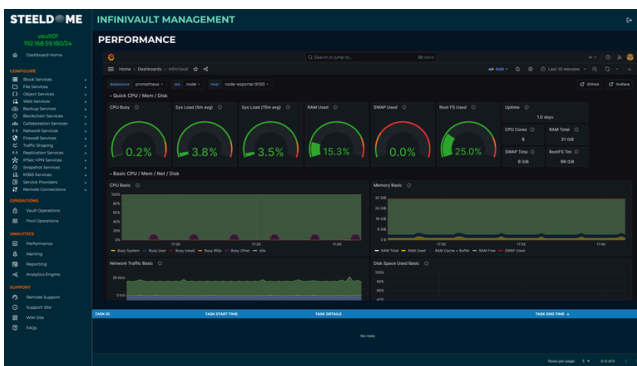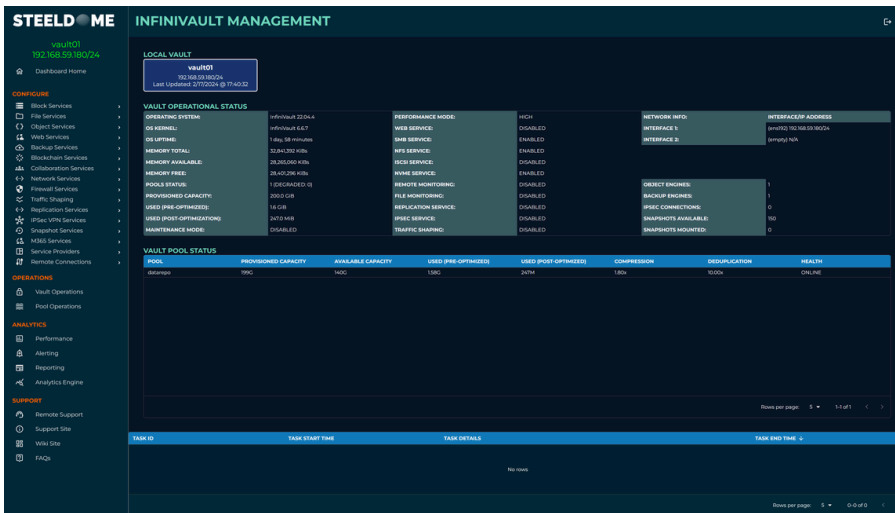
Backup Replacement

Replace any legacy backup solution.

Consume Cloud-Backed Resources

Turn cloud-backed storage services such as Amazon S3, Wasabi, etc. into local storage capacity over standard protocols.

New Deployment

New deployment either on-prem or in any public cloud.

User Friendly Operation

Easy-to-use, drag-and-drop web-based interface designed from the ground up for simplicity and effectiveness. It's built to secure data and combat the severe impacts of ransomware, ensuring your infrastructure is both user-friendly and highly resilient.