Ensure Rapid Recovery from Cyber Attacks with Infinidat & Veeam

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Steve Firmes, Veeam
December 14, 2022
Data Growth - Statista

In 2020, Statista reported that the volume of data/information consumed worldwide by 2020 grew to 64+ ZetaBytes, with forecasts from 2021 to 2025 up to 181 ZetaBytes.

Clearly the data we need to protect keeps growing.
Cybercrime Growth – Forbes & Check Point research

In 2021, the average number of cyberattacks and data breaches increased by 15.1% from the previous year.

Check Point Research also reported that it found 50% more attack attempts per week on corporate networks globally in calendar year 2021 compared with 2020.
Data Growth Protection Challenge

The Response

We need simple and effective solutions that work without breaking the bank.

Veeam Backup & Replication (VBR) - Provides industry-leading Data Protection strategies with fast, simple, advanced data protection tools that address the challenges of the modern, data-centric world.

Infinidat Storage delivers data protection at a massive scale, performance and reliability, with lower cost and complexity.
Maintain Security of the Backup Environment

Backup environments are a major investment for all businesses to ensure data and applications are protected and can be quickly recovered to continue their business and competitive viability.

* All CIO’s interviewed agree that Data Protection is a fast-growing cost concern!

These costs include (not limited to):
- Data Protection Software
- Data Protection Personnel Resources
- Data Protection Compute Resources
- Data Protection Storage Resources
- Data Protection Infrastructure Resources

Resources required to effectively protect data will surpass the cost to create it.

Working together to provide the most effective answer to these concerns
The most trusted provider of **backup, recovery and data management** solutions that deliver **Modern Data Protection**
Veeam Named a Leader for the 6th time!

Gartner named Veeam as a Magic Quadrant Leader for the sixth time for its highest Ability to Execute and Completeness of Vision.

Veeam is a Leader in Enterprise Backup & Recovery Solutions!

#1 Market Share Worldwide

450K+ customers worldwide and counting

200+ top industry awards

DISCLAIMER

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# Ransomware and Data Security Challenges

<table>
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<tr>
<th>Challenges</th>
<th>Solution</th>
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<td>Effectively restore malware-free data after a ransomware incident</td>
<td>Reduce the time and effort it takes to recover ALL data from successful ransomware attacks</td>
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<td>Be able to protect data from malicious attacks, which could impact your company brand</td>
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<td>Slow recovery makes paying a ransom the faster alternative</td>
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<td>Supporting frequently changing regulations and ensuring compliance requirements are met</td>
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Veeam Ransomware and Data Security

Data security

- Secure Backup/Secure Restore
- Data locality
- Immutable storage
- Data tagging
- Integration API
- SLA validation

- Business view
- Monitoring and alerting
- DataLabs™
- Item-level recovery
- Instant recovery
- Orchestration

True immutability allows you to fully protect data from attacks and safely restore malware-free

Secure backup to protect workloads and data and ensure there's no errors through automated testing and verification

Instant recovery, which makes data restoration less expensive than paying a ransom

Orchestration to fully automate and document complex workflows, including non-disruptive, large-scale recovery testing
Infinidat Industry Acclaim: 2022


- InfiniSafe® solution - WINNER CRN 2022 Tech Innovator Award - Data Protection Software
- InfiniBox™ SSA II - FINALIST CRN 2022 Tech Innovator Award - Storage Enterprise

InfiniBox™ SSA all-flash array Silver Award winner for SearchStorage 2021 Products of the Year Awards for Disk and Disk Subsystems

Winner for exceptional corporate social responsibility

GigaOM Sonar for Ransomware protection - “Leader” and “Fast Mover”
GigaOm Radar for enterprise Kubernetes storage – Infinidat “Challenger” and “Fast Mover”

ONCONFERENCES Eric Herzog Named One of the Top 10 CMOs of the Year, 2022

TechTarget InfiniBox™ SSA Named One of the Best Enterprise Storage Arrays of the Year

2022 CRN 2022 Tech Innovator Award - Storage Enterprise

5-Star Rating in 2022 Partner Program Guide
One of the 50 Coolest Software Defined Storage Vendors - The 2022 Storage 100
One of the 12 Cool Flash Storage Products 2022
Eric Herzog, CMO, 2022 CRN Channel Chief

GigaOM

2022 Phil Bullinger named 1 of top 10 Most Innovative CEOs Revamping the Future
Eric Herzog named 1 of top 10 Most Innovative CMOs

Chief Data Officer Magazine named Ken Steinhardt, Field CTO, one of the Top 125 “Leading Data Consultants in North America, 2022

One of the Top 5 Storage as a Service Vendor by DCIG 2022

2022

Storage Awards
Best in SANs for enterprises’ for Subsystems

Runner-up for Immutable Storage Company of the Year

Semiconductor Review
2022

1 of the top 10 Flash Storage Solutions Providers in APAC

INFINIDAT

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CRN
Best Storage Products of 2022
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Hybrid Storage Vendor of the Year
Runner-up for Immutable Storage
Company of the Year

2022

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Phil Bullinger named 1 of top 10
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Broad Enterprise Use Cases and Guaranteed SLAs

- One Architecture  
  - many possibilities
- Guaranteed Performance  
  - from AIOps inside and outside the array
- Cloud-like Consumption Models - STaaS
- Multi-Petabyte Scalability

Primary Storage
- Performance-critical apps
- Mission Critical Apps
- Virtualization
- Containers
- HPC
- AI / ML
- Business Apps (SAP, Oracle, ...)
- Cyber Attack Ransomware Defense

Secondary Storage
- Archive
- VDI
- Office Apps (Exchange, File Servers, ...)
- Data Warehouses
- Analytics
- Backup
- Cyber Attack Ransomware Defense
- Disaster / Rapid Recovery
- Long-Term Retention (LTR)

Set it and Forget it IT Operations  
- simple to install and manage

100% Availability guaranteed

Guaranteed Performance from AIOps inside and outside the array

InfiniSafe guaranteed  
- Cyber storage resilience

Lowest Cost & TCO

InfiniSafe  
- guaranteed

Cyber Attack
- Ransomware Defense

Cyber Attack
- Ransomware Defense

Cloud-like Consumption Models - STaaS

Multi-Petabyte Scalability
InfiniSafe - Cyber Storage Resilience

InfiniSafe on InfiniBox
- InfiniSafe Cyber Storage Guaranteed SLAs
  - Guaranteed Immutability of Snapshots
  - Recovery of those Immutable Snapshots in 1 Minute or less

InfiniSafe on InfiniGuard
- InfiniSafe Cyber Storage Guaranteed SLAs
  - Guaranteed Immutability of Snapshots
  - Recovery of those Immutable Snapshots in 20 Minutes or less
- Dedicated InfiniGuard capacity
  - Extended immutable snapshot retention time doubled (60 days)
InfiniSafe – Near Instantaneous Recovery

Easy and Fast

- ONLY 1 InfiniBox needed - No data movement required
- Reduced CAPEX and OPEX
- Simplifies entire forensic and recovery process
- Simple mount to the standby DDE taking only minutes
- Rapid accessibility to entire backup dataset – up to PBs
- No capacity size penalties
- DDE operating environment is protected and available
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Recovery Time Objective (RTO) is the most critical metric for cyber recovery and business continuance

13PB Veeam backup dataset recovered in ONLY 12 minutes and 55 seconds!

InfiniGuard live demonstration, October 2022

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**InfiniBox + InfiniGuard + Veeam**

**InfiniBox Storage**
- Best Primary Data Replication in the industry (+ Immutability)
- InfiniSafe Protected

**Turnkey Storage Solutions**
- All Inclusive Pricing
- Groundbreaking Performance
- 100% Availability Guaranteed
- Visionary simplicity for enhanced data protection

**Veeam Backup & Replication Server**
- Runs Faster
- Runs more reliably on InfiniBox

**Veeam Proxy Servers**
- Runs Faster
- Runs more reliably on InfiniBox

**Benefits**
- Faster Primary Data & Backup
- Faster Restores (many ways to recover)
- Shrinking Backup Windows
- Extreme Reliability (Best in Industry)
- Deployment Simplicity
- Capacity Efficiency
- Massive Scale (non-disruptive growth)
- Flexible Cost Saving Models
- Strength in Partnership
- Unrivalled Support Reputation
- Protecting 10's of thousands of servers

**Path to Cloud**
- Instant Penalty-free Snapshots
- Mounted NetBoost device integration to Veeam
- From InfiniGuard (NetBoostFS)

**InfiniSafe Protected**
- Network and Space Efficient Replication to 1 or 2 remote site(s)
- Deduped, Compressed, Encrypted

**Primary Data Site InfiniGuard**
- Path to Cloud (w/ Veeam)

**Secondary Site InfiniGuard**
- Cyber Recovery
- Immutable Snapshots & Trusted Copy to Vault
Maintain the Security of Data in the Backup Environment

Best Software to protect enterprise workloads

Best in Class Storage to secure the state and efficiency of the protected data

Providing methods for exercising data protected without impact to production services.

Immutable protection that ensures unmodifiable protected data with minimal impact to performance, capacity, complexity and cost.

Best in Class Strategy for data recovery that meets RPO /RTO objectives at massive scale.

Best Software

Best Storage

+ Best Practices

= Best Strategy
Enable Rapid Analysis and Recovery Following a Cyber Event

Our goal is Data Protection and Storage with rapid capture, replication, and recovery.

Infinidat Storage with Veeam VBR provides an ability to instantaneously recover data “penalty-free” from immutable snapshot technology and effectively stream recovery operations with advanced software validation.

Leveraging Veeam VBR + Infinidat Storage technologies.
Open the Q&A

Info@infinidat.com for more information!
THANK YOU!

INFINIDAT

SCALE TO WIN