INFINIDAT

The Standard in Enterprise Storage

Defend Your Data Infrastructure from Cyberattacks with Cyber Storage Resilience

Eric Herzog - CMO Joe Roa - Senior Solution Architect

Feb 2024

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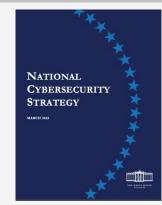


Exploding Cyber Risks

Headline News

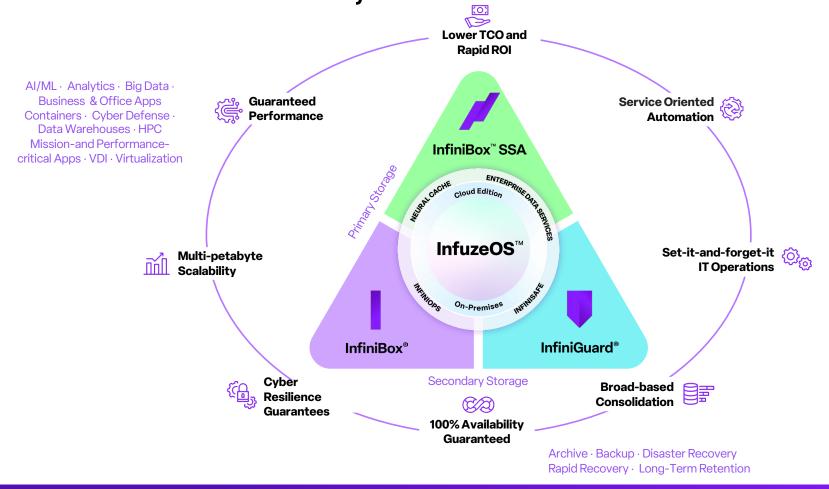
World @ Business @ Finance @ Travel @ Sport @ Weather

- Cybercrime will cost enterprises \$9.5 Trillion in 2024
- Cyber security is the #2 concern of CEOs globally (Fortune Magazine, June 2023)
- US announces National Cybersecurity Strategy (Mar 2023)/EU moves forward with Cyber Resilience Act (Dec 2023)
- Enterprises suffer 1,258 cyberattacks per week
- Global cybersecurity spending will exceed \$1.75
 Trillion cumulatively by 2025
- The world will need to cyber protect 200 Zettabytes of data by 2025



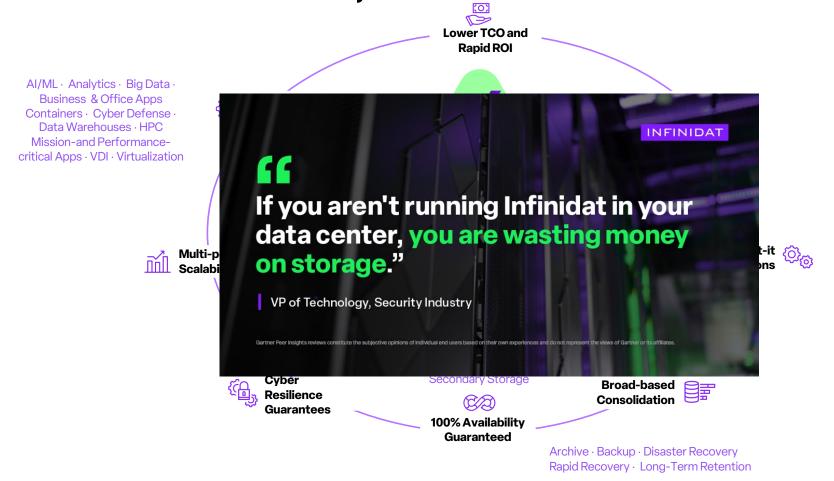


One SDS Architecture, All Platforms



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One SDS Architecture, All Platforms



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Industry Acclaim: 2023

Gartner

Leader in the 2023 Gartner Magic Quadrant for Primary Storage (2023, 2022, 2021, 2020, 2019, 2018)



Storage Product of the Year: InfiniBox™ SSA II "Gold Winner" for "Best **Enterprise Storage** Arrays"

THE



Storage Optimisation Company of the Year

Winner for Storage **Optimization Company of** the Year and Runner-up in 3 categories - Editor's Choice - Product award, Performance Storage Vendor of the Year, and Storage Innovators award.



Gartner Peer Insights Customers' Choice for Primary Storage based on reviews & ratings of endusers



Storage Product of the Year: InfiniGuard® "Gold Winner" for "Top Backup and Disaster

Recovery Services"

2023 GigaOm Sonar for Ransomware Protection -"Leader" and "Fast Mover" for Block and File Storage

GIGAOM



Winner for AI/Machine Learning Data Protection Innovation of the Year Runner up in 5 categories -Storage Company of the Year Vendor Channel Program of the Year Cloud Security Innovation of the Year Business Continuity/Disaster Recovery Innovation of the Year Backup/Archive Innovation of the Year



2023 **Tech Innovator Awards** Finalist-InfiniBox



One of the Power 500 Software Companies of 2023

Mitch Diodato Named a 2023 **CRN Channel Chiefs**



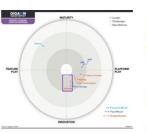
Infinidat's InfiniBox Family - One of Top 5 High-end Storage Arrays in the World



Infinidat Earns 5-Star Rating in CRN® Partner Program Guide for the Second Consecutive Year

One of CRN's 50 Coolest SDS Vendors for **Second Consecutive** Year

2023 Storage 100



Named a Leader and an Outperformer in Primary Storage for large enterprises



Most Innovative Hyperscalar Implementation

Flash Memory Summit - Most Innovative Hyperscalar Implementation



One of the Top 50 **Executive Teams and** Top 50 Marketing Teams in the World, 2023



Lynsy Calvario Named as a 2023 CRN - Women of the Year Rising Star Finalist



Eric Herzog Named One of the Top 10 CMOs of 2023

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Industry Acclaim: 2024



Storage Product of the Year: InfiniBox™ SSA II Gold Medal Award for "The best enterprise storage arrays of 2023"



InfiniBox and InfiniBox SSA II a Leader and Outperformer in the 2024 Radar Report for Primary Storage For Large Enterprises



Infinidat's InfiniBox® and InfiniGuard® Named One of Top 5 2PB+ Cyber Secure Backup Targets in the World



InfiniBox and InfiniBox SSA II a Leader and Outperformer in the 2024 Radar Report for Primary Storage For Midsize Businesses



Eric Herzog
"CMO to Watch
2024" by the
CMO Alliance

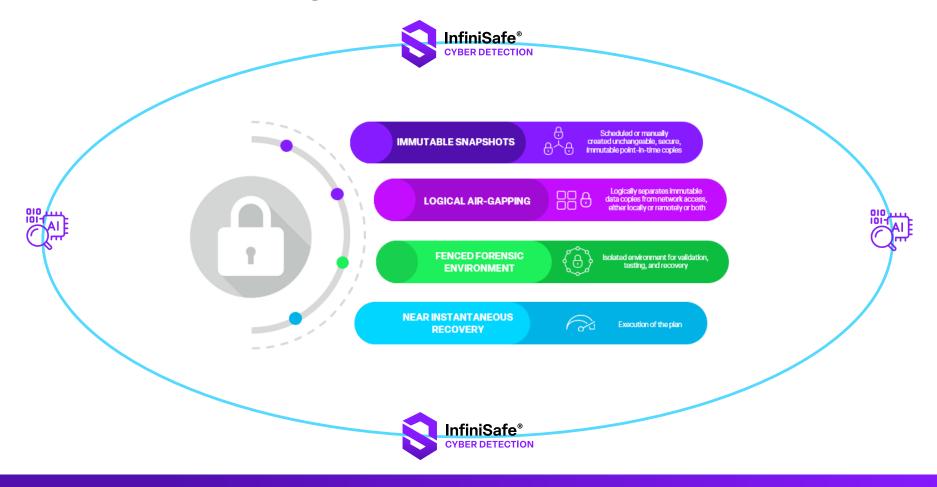


Steve Sullivan – 2024 CRN Channel Chief



Eric Herzog Finalist for the 2024 CMO/Marketer of the Year

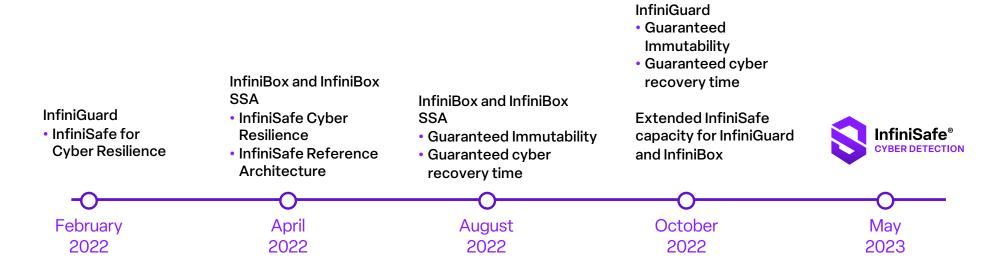
InfiniSafe Cyber Storage Resilience



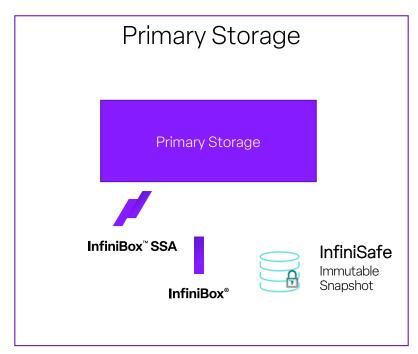
InfiniSafe Cyber Resilience Innovation

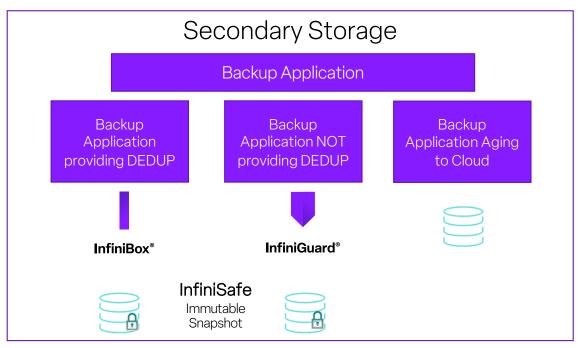
Commitment to delivery of cyber resilience innovation

- First cyber resilience solution for primary storage
- First guaranteed cyber resilience recovery
- First guaranteed cyber resilience recovery time



Cyber Resilient Storage Enabled by InfiniSafe





InfiniSafe Cyber Storage Resilience Guarantees

- Guaranteed immutability of InfiniSafe immutable snapshots
- Recovery time guarantee of those immutable snapshots
 - Less that 20 minutes for InfiniGuard
 - Less than 1 minute for InfiniBox SSA II and InfiniBox
 - Regardless of immutable snapshot size

InfiniSafe Cyber Storage Resilience

- Immutable Snapshots
- Logical air-gapped protection
- Fenced forensic environment
- Near-instantaneous recovery of any size backup repository

Guaranteed Cyber Storage Resilience !!!!!



InfiniSafe Cyber Storage Guarantee

- First primary storage platform cyber storage guarantee
- Guaranteeing immutability of our InfiniSafe immutable snapshots
- Guaranteeing near instantaneous recovery of an InfiniSafe immutable snapshot:
 - 1 minute or less with InfiniBox/InfiniBox SSA II
 - 20 minutes or less with InfiniGuard

100% Availability Guarantee

InfiniBox/InfiniBox SSA II

Performance Guarantee

InfiniBox/InfiniBox SSA II - Based upon your actual real-world applications

InfiniSafe Ransomware and Malware Resistance

Cyber Detection Flexibility



Primary Storage



Volumes, App Workloads, Snapshots



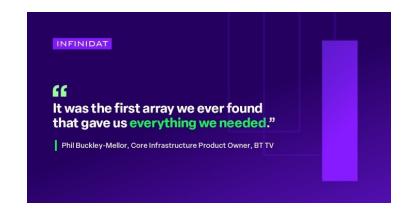
Databases

Oracle, DB2, SQL, SAP Hana, Cache, etc.

User Files



Contracts, Financial Docs Intellectual Property, etc.



Cyber Detection Machine Learning Model Training

- Data sets representing many different pre and post attack environments, with all known ransomware variants, are used to train the machine learning model
- Machine-learning model quality is tuned and measured to meet a 99.5% recall rate

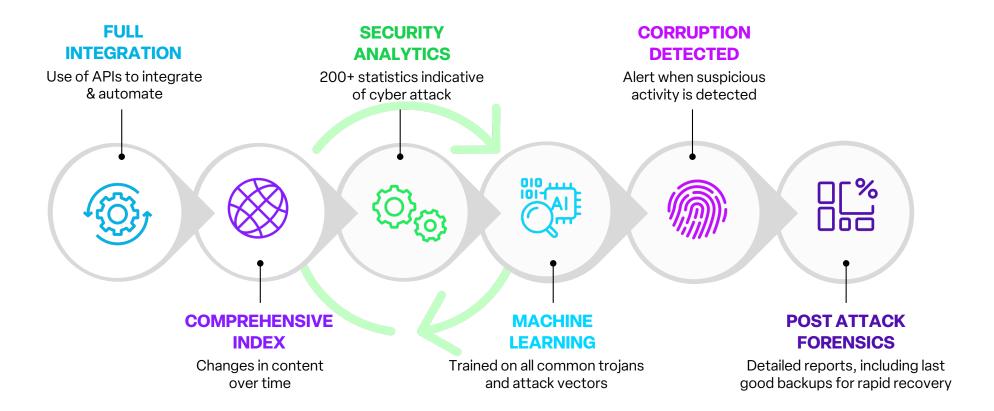


The new SSA II provides a compelling all-flash platform for consolidation, making a very strong economic argument.... and a strong environment statement."

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Cyber Detection Workflow

Analytics, Machine Learning and Forensic Tools to Detect and Recover from Cyberattacks



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Managed Turnkey Solution for Cyber Protection

INFINIDAT - High Quality Storage (100% Available)

- with Built-in Instant Cyber Protection & Recovery

Two elements of protection

Primary Data

Data Backups





Todays Topic

Infinidat InfiniSafe Snapshots
Infinidat Cyber Detection Software

- Customer supplies the required servers
- Infinidat Installs, configures, updates and maintains the software and services.

Infinidat InfiniSafe Snapshot Protection

Infinidat uses patented instantaneous snapshot capture & recovery (regardless of scale)

- Ability to capture or recover a snapshot of volumes, files systems
- Lock snapshots immutably (with defined retention)
- Extend retention of snapshots (locked or unlocked)
- Infinidat snapshot features are included with every license, and button easy for admins

Infinidat InfiniSafe Cyber Detection

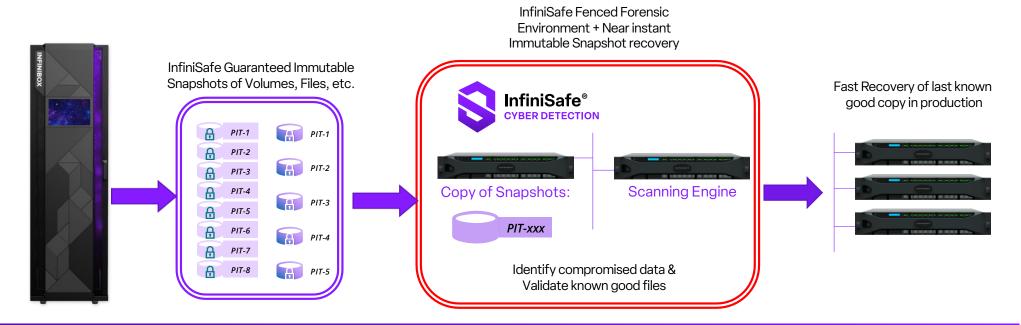
Infinidat uses Data Scanning Engines to automate detection of malware and cyber attack

- Ability to automate directed scanning of volumes and file systems
- Scan and detect anomalies, malware and cyber attacks
- Provide alerting and reporting on data detected as compromised
- Direct the staff on which copies are compromised and when for safe recovery
- Installed and configured by Infinidat with capacity license-based installation

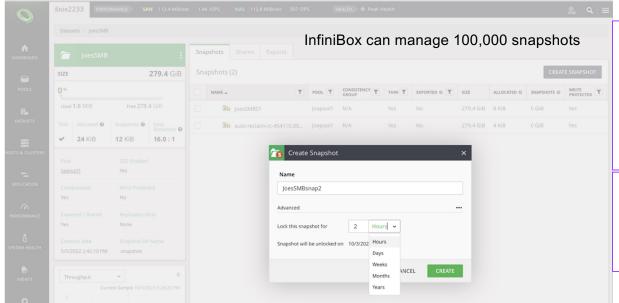
InfiniSafe Cyber Detection Solution



- Applications can validate immutable snapshot data in Fenced Forensic environment
- Cyber Detection will tag any corrupted files and create forensic report(s)
- Provides all the intelligence needed to facilitate recovery



InfiniSafe Snapshot Simplicity



InfiniBox - Guaranteed Snap Recovery in less than 1 Minute (regardless of size)

InfiniGuard – Guaranteed Snap Recovery in less than 20 Minutes (regardless of size)

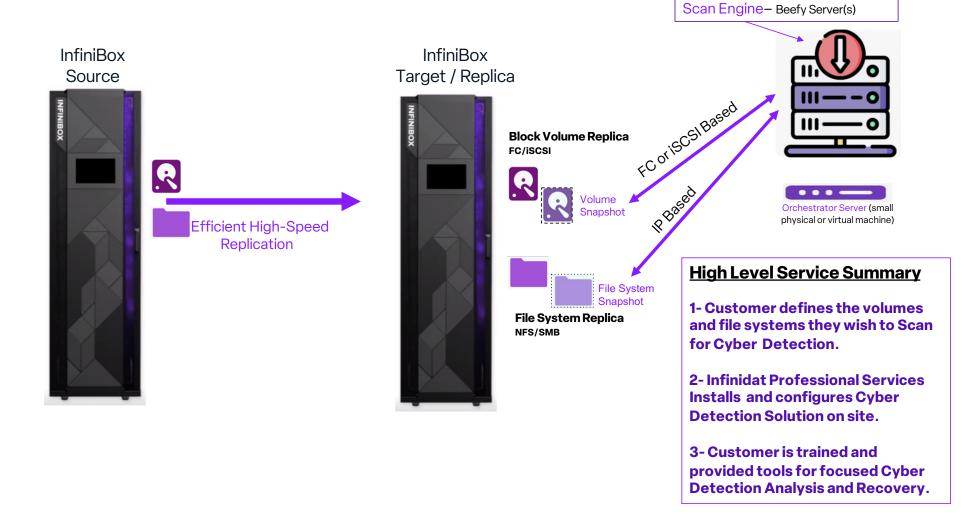
Snapshot management is by Volumes, File Systems, or Consistency Groups.

Locked snapshots can only be extended in retention.

*They cannot be modified in any other way.

Snapshot UI, CLI, API (very easy tools)!

Cyber Detection Architecture



Customer Rack Mounted Infinidat Cyber Detection

Cyber Detect Post Attack Dashboard

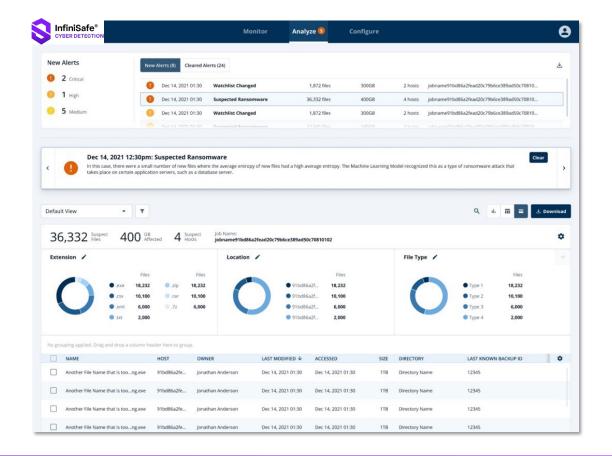
Improved user experience - More insight into data - Intuitive post attack workflow

Alerts organized by severity

New details on suspect corruption

Customizable, dynamic charts to drill down into details of the attack

List of corrupted files that can be downloaded



InfiniBox + InfiniGuard + CommVault

1,000's of Application Servers

- Servers run Faster
- Servers run more Reliably
- Servers provision and grow with simplicity



10GbE/25GbE Ethernet

FC Fabrics

- **Block & File Simplicity**
- **Penalty-free Snapshots**
- **Efficient Compression & Replication**



InfiniBox Primary Storage

100% Available Primary with Replication Secured by InfiniSafe with Immutable Snapshots

CommCell Server

- Runs Faster



CommVault Media Agents

- Runs Faster
- Run more reliably



10GbE/25GbE

+InfiniSafe

Benefits

Instant Snapshot Based Protection

Unrivalled Support Reputation

Flexible Cost Saving Models

Faster Primary Data & Backup

Shrinking Backup Windows

Deployment Simplicity Vested Infinidat Partnership

Capacity Efficiency

Faster Restores (many ways to recover)

Extreme Reliability (Best in Industry)

Massive Scale (non-disruptive growth)

Instant Snapshot Based Recovery



Media Agent Mounted devices Integrate CommVault with Infinidat NFS, SMB,



InfiniBox or InfiniGuard Secondary Storage Network Efficient Replication to remote site(s) InfiniSafe Snaps Applied

Backups to InfiniBox

OR

Backups to InfiniGuard

Either Way - You Get InfiniSafe Enabled Protection

Turnkey Storage & Protection Solutions Better than All Flash Array Performance 100% back-end reliability **Comprehensive Cyber Protection (w/INFINISAFE)** Visionary simplicity for enhanced data protection

- Run more reliably

Path to Cloud from

CommVault

Instant, Dandtyfree space space of the standard of the standar Control and the light ago with the light of

Award Winning InfiniSafe



InfiniBox Family - One of Top 5 High-end Storage Arrays in the World - InfiniSafe and Guaranteed Cyber SLAs cited as a key reason for the rating

GIGAOM



GigaOm Sonar for Ransomware Protection -"Leader" and "Fast Mover" for Block and File Storage



InfiniBox and InfiniGuard -Top 5 Cyber Storage Backup Targets



Storage Product of the Year:
InfiniGuard® "Gold Winner" for
"Top Backup and Disaster Recovery
Services" InfiniSafe and
Guaranteed Cyber SLAs cited as a
key reason for the rating

GIGAOM



Runner up - Cloud Security Innovation of the Year for InfiniSafe and Backup/Archive Innovation of the Year for InfiniSafe



2023
Tech Innovator Awards
Finalist for InfiniBox InfiniSafe and Guaranteed
Cyber SLAs cited as a key
reason for the rating



2022

Hybrid Storage Vendor of the Year Runner-up for Immutable Storage Company of the Year for InfiniSafe



InfiniSafe® solution - WINNER CRN 2022 Tech Innovator Award -Data Protection Software



2023 GigaOm Rader Leader and Outperformer in Primary Storage for large enterprises – InfiniSafe and Guaranteed Cyber SLAs cited as a key reason for the rating



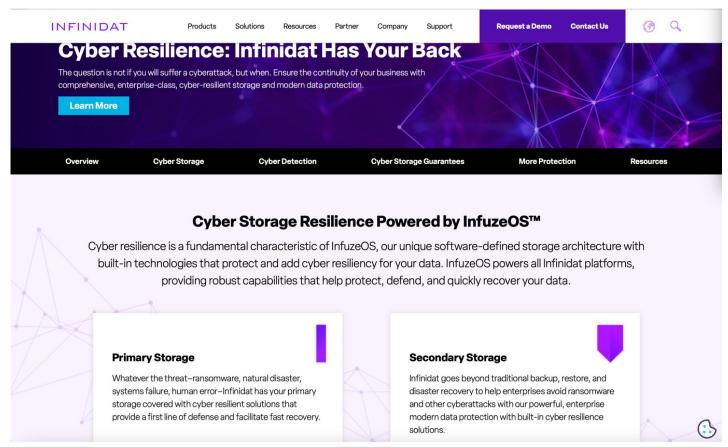
2022

GigaOm Sonar for Ransomware protection "Leader" and "Fast Mover"



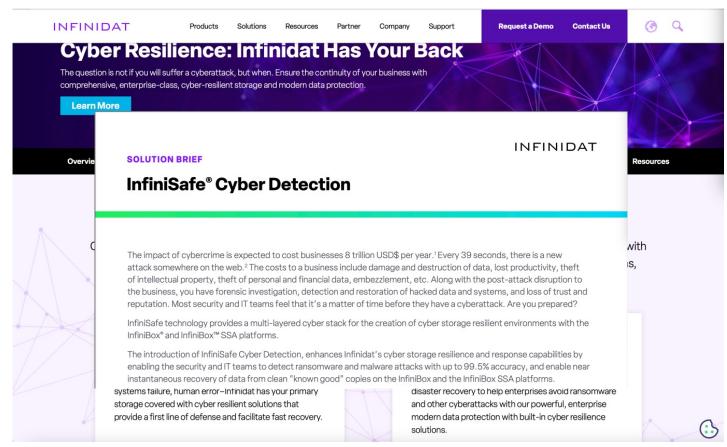
WINNER - Data Security/Compliance Innovation of the Year for InfiniSafe®

Cyber Storage Resilience



https://www.infinidat.com/en/cyber-resilience

Cyber Storage Resilience



https://www.infinidat.com/en/cyber-resilience

Infinidat Drives Dramatic CAPEX and OPEX Savings

\$167K

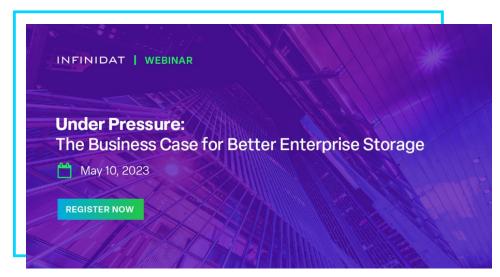
Yearly
Benefit/PB

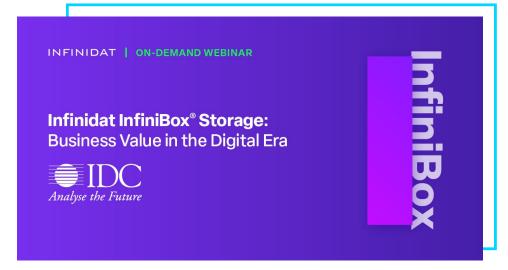
48% Reduced OPEX 11 Month

Payback on Investment

51%More efficient storage management

\$41.6K OPEX Reduction/PB





<u>Video Webinar</u> <u>On-demand</u>

https://www.infinidat.com/en/financial-benefits

The End Users Have Spoken







InfiniBox Reviews

by Infinidat in Primary Storage

4.9 ★★★★ 458 Ratings





As of February 5, 2024

The End Users Have Spoken



As of February 5, 2024

INFINIDAT

THANK YOU!

