

INFINIDAT

The Standard in Enterprise Storage

Next-Generation Data Protection: Building Enterprise Cyber Storage Resilience



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CMO

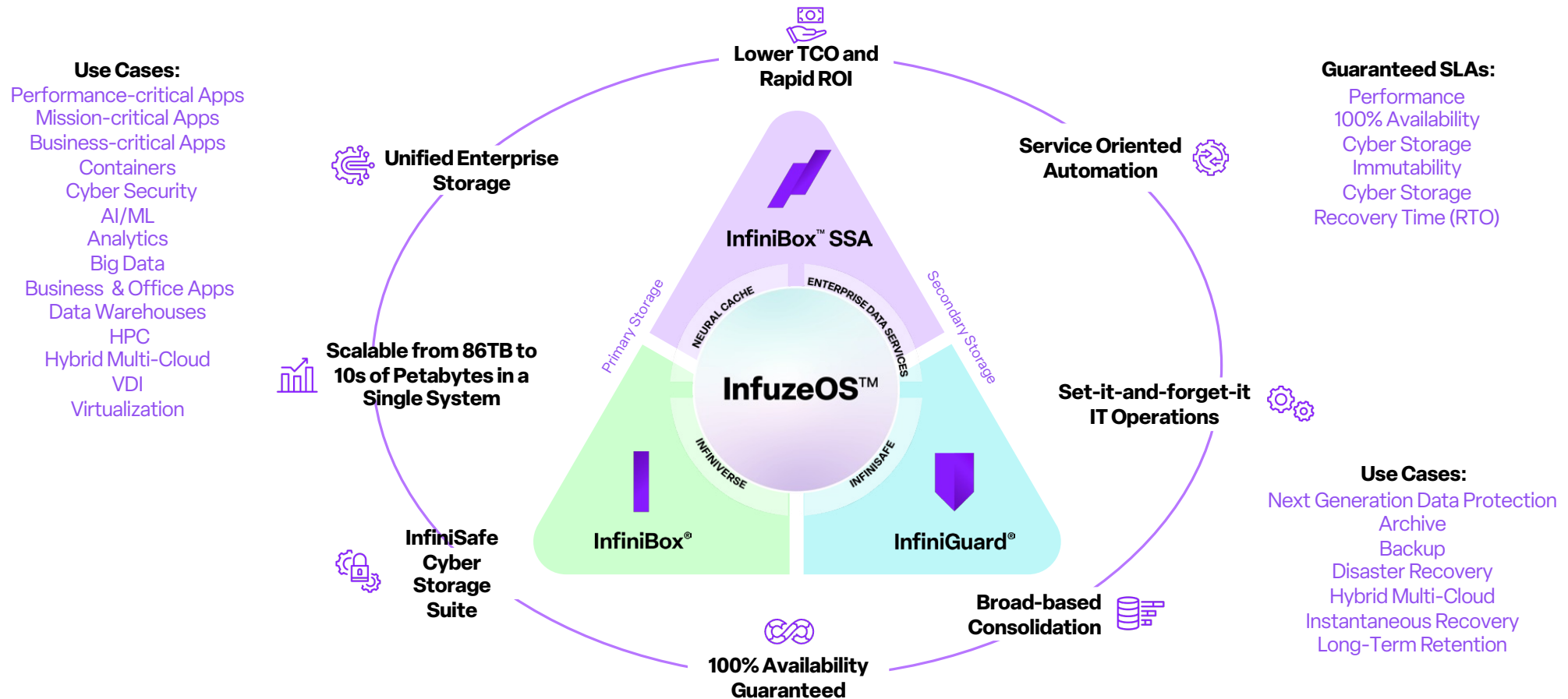
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Gartner® Security & Risk Management Summit
June 2025



Review: InfuzeOS - One SDS Architecture, All Platforms

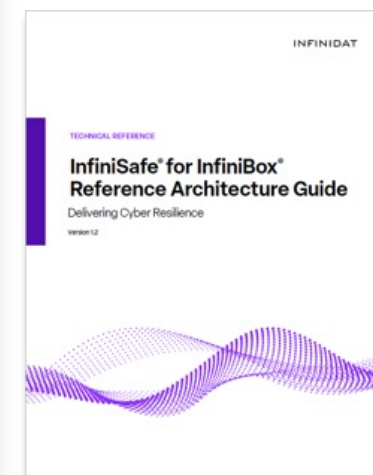
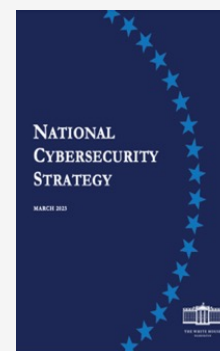


Cyberattacks are Extensive and Expensive!

Headline News

World ☉ Business ☉ Finance ☉ Travel ☉ Sport ☉ Weather

- Cyber security is the **#1 concern of CEOs globally** (PwC Pulse CEO survey, Oct 2024)
- US releases **National Cybersecurity Strategy v2** (Tighter compliance and cybersecurity reporting. EU Cyber Resilience Act in force, Dec 2024)
- Enterprises suffer **1,636 cyberattacks per week** (up 30% over 2024)
- Demand for cybersecurity experts exceeds supply! **27%** of jobs are vacant – **Skills Gap**
- World needs to cyber protect **200 Zettabytes** in 2025



Next-Gen Data Protection and Recovery

A Cyber Focused, Recovery First Strategy



InfiniSafe®

- Think about recovery first!
 - Protecting the data is easy
 - Immutability is key!
 - Recovery first means
 - Leveraging Immutable snaps
 - Data must be proactively verified/validated
 - Must be FAST!
 - Easy to Implement and maintain
 - Highly Automated and Orchestrated
 - Integrate into SecOps and Apps (SIEM/SOAR)
- Traditional data protection methods
 - Backups are targeted attack points
 - Optimized for backup, not restore
 - Challenging to integrate and orchestrate into SecOps

*“On average, companies face about **22 days of downtime**, as reported by Coveware. However, some companies can be incapacitated for months, depending on the attack's severity and complexity.”*

<https://www.xitx.com/2024/06/how-long-are-companies-down-after-a-cyberattack-understanding-ransomware-recovery/#:~:text=On%20average%2C%20companies%20face%20about,the%20attack's%20severity%20and%20complexity.>

InfiniSafe is Next-Gen Data Protection and Recovery

A Cyber-First-Recovery Focused Methodology



InfiniSafe®

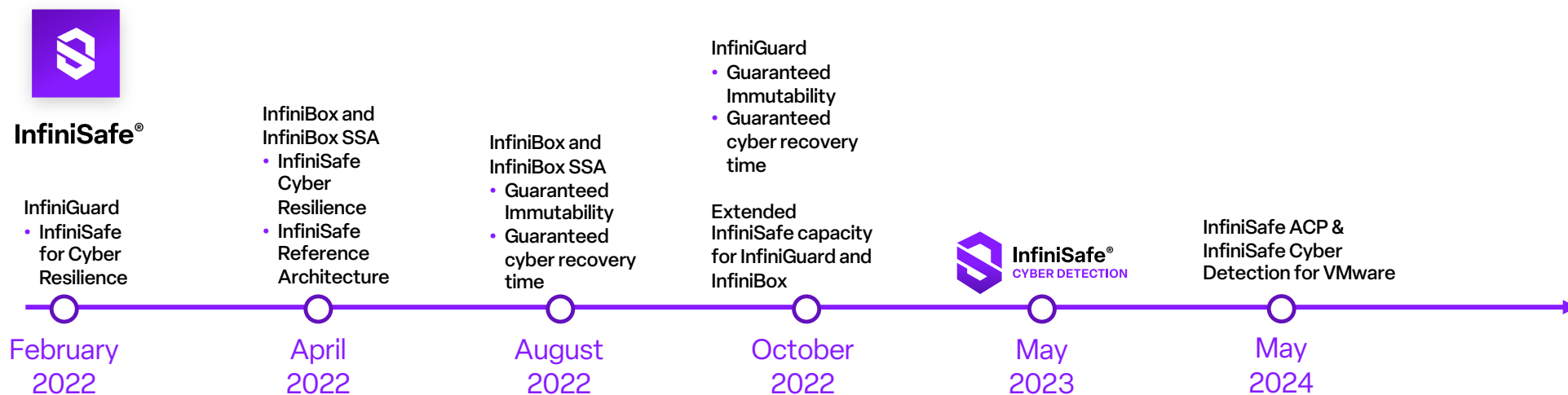
- InfiniSafe is recovery first focused!
 - InfiniSafe is business recovery
 - InfiniSafe is built into our storage solutions
 - InfiniSafe Cyber Stack and Automated Cyber Protection (ACP) is included in InfuzeOS
- InfiniSafe Cyber Stack
 - Immutable snaps, Logical/Remote Air gaps, Fenced Forensic Environment, Near instant recovery
 - InfiniSafe ACP
 - Orchestrates Integration with SecOps (SIEM/SOAR)
 - Triggers Immutable Snaps
 - Automates
 - Reduces the threat window
 - Augments Scheduled Immutable Snaps
 - Sends to queue for data validation
 - Validate and Recover
 - InfiniSafe Cyber Detection
 - Scans with 99.99% detection rate
 - Uses over 200 data point to determine issue
 - Accurate and detailed reporting
 - Assures you know the status of your data
 - Subscription Licensed



InfiniSafe Cyber Resilience Innovation Timeline

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
- Comprehensive Reference Architecture for ecosystem integration
- InfiniSafe Cyber Detection – Deep and Accurate Scanning/Detection



InfiniSafe Cyber Stack



InfiniSafe®
CYBER DETECTION



IMMUTABLE SNAPSHOTS



LOGICAL AIR-GAPPING



FENCED FORENSIC ENVIRONMENT

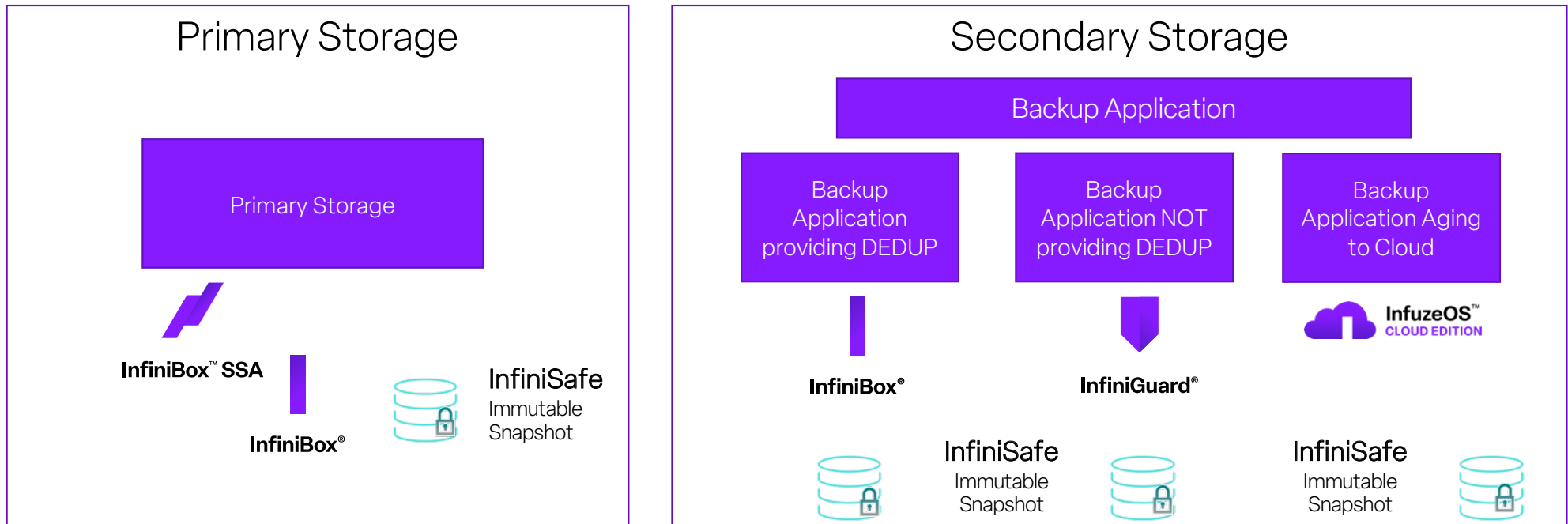


NEAR INSTANTANEOUS RECOVERY



AUTOMATED CYBER PROTECTION

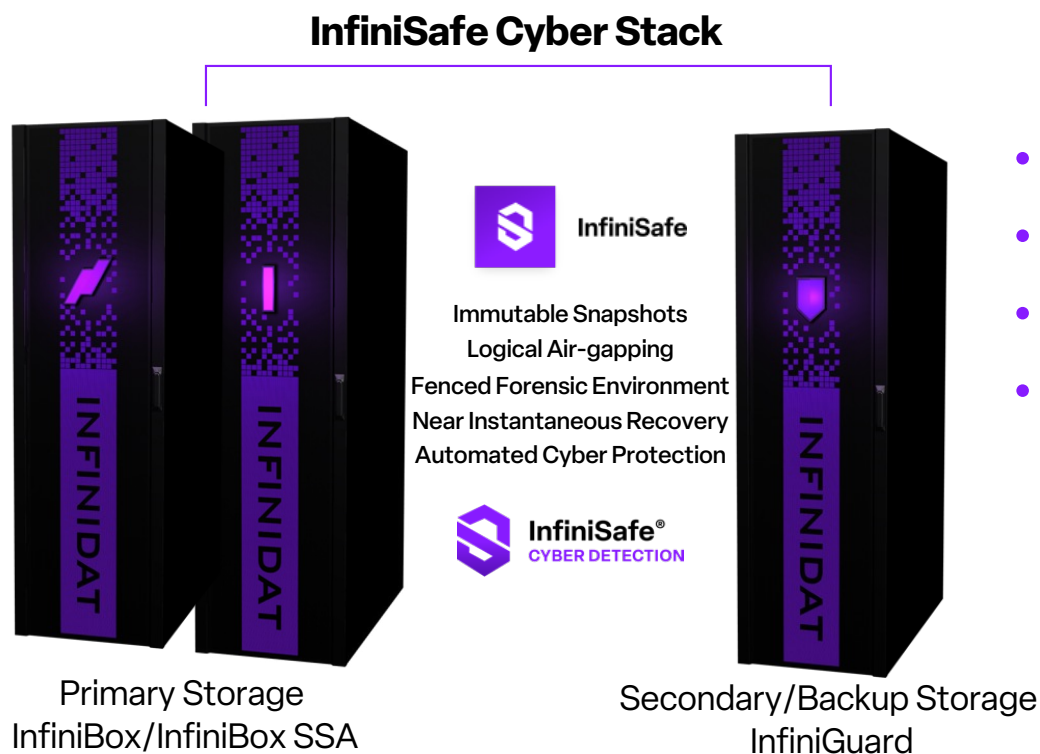
Cyber Resilient Storage Enabled by InfiniSafe



InfiniSafe – Same Functionality Optimized by Solution

Consistent Cyber Resilience

- Built into InfuzeOS
- Flexible Integration
 - Reference Architecture
 - API first integration methodology
- Guaranteed!
 - Immutability
 - RTO – 1 Min or Less



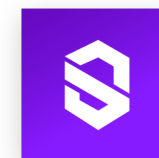
- Built Into InfuzeOS
- Purpose Built
- Fully Orchestrated
- Guaranteed!
 - Immutability
 - RTO – 20 Mins or Less

InfiniSafe Automated Cyber Protection

Reducing the threat window!

- Data needs to be protected at the speed of “Compute”
 - Scheduling Immutable Snaps is great, but leaves GAPS
 - Threats happen all the time and some are more critical than others
 - Not all threats attack all data, but will try to isolate important data
 - Trigger from standard syslog
 - SIEM and or SOAR environments supported via syslog
 - Security Information and Event Management software (SIEM)
 - Security Orchestration, automation and response (SOAR)
 - Direct integration possible
- What is the difference between SIEM and SOAR?
- Both Security Information and Event Management (SIEM) and Security Orchestration, Automation, and Response (SOAR) are cyber-security tools that aggregate and correlate data from multiple sources to detect and respond to threats.
 - SIEM focuses on generating alerts from traditional infrastructure components,
 - SOAR takes in more data and automates the remediation and response process.

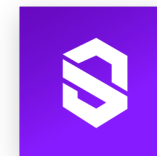
Source: <https://simonangling.com/what-is-security-orchestration-automation-and-response-soar/>



InfiniSafe®

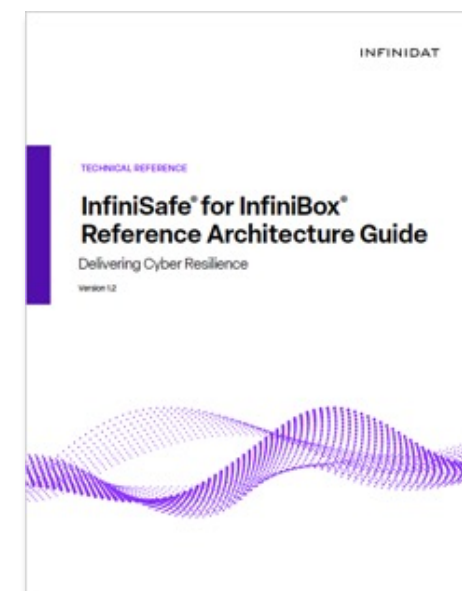


InfiniSafe ACP – Protection at the Speed of Compute



InfiniSafe®

- Near Real Time – reduce the threat window!
 - Catch it as early as possible and reduce proliferation
 - Scheduled snapshots are proactive, but leave gaps
- API's and connectors are easily established to trigger immutable Snaps
 - Users determine the triggers from their SOC/SIEM/SOAR on what they feel are important events
 - Leverages generic syslog functions, can work even without SIEM/SOAR
- Immutable Snaps are Instant and have no effect on production!
- Can be orchestrated with InfiniSafe Cyber Detection scanning
 - Easily know if the data is good or compromised
 - End to End process automated – Reduces chaos in responding to an attack
- Time is MONEY.... Second/minutes can = \$\$\$\$Millions



InfiniSafe Ransomware and Malware Resistance

Cyber Detection Flexibility



InfiniSafe®
CYBER DETECTION

Primary Storage



Volumes, App Workloads, Snapshots, VMware



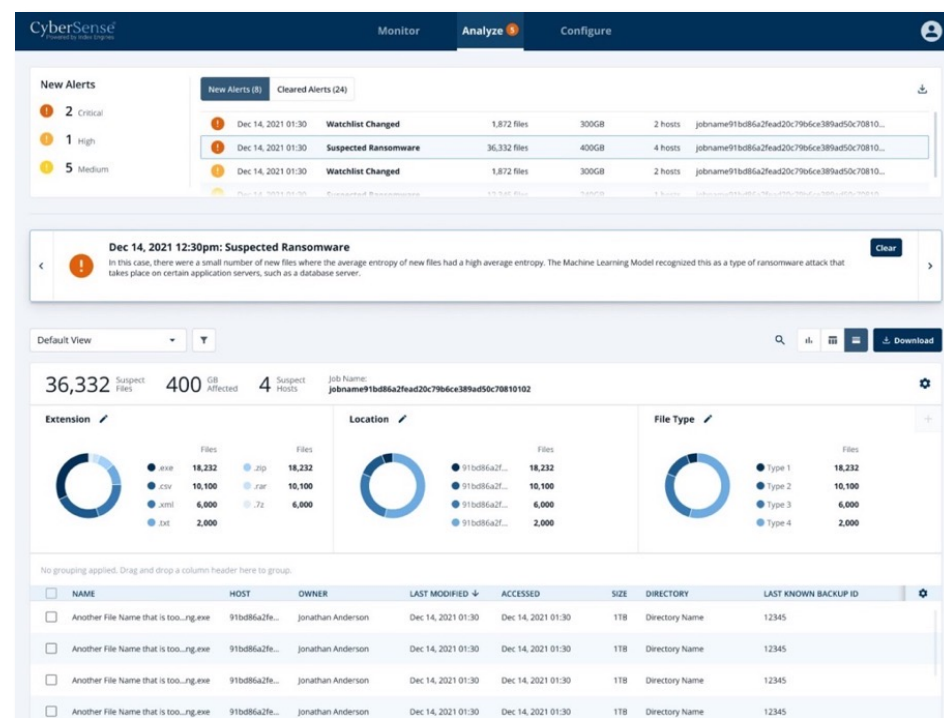
Databases

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

User Files

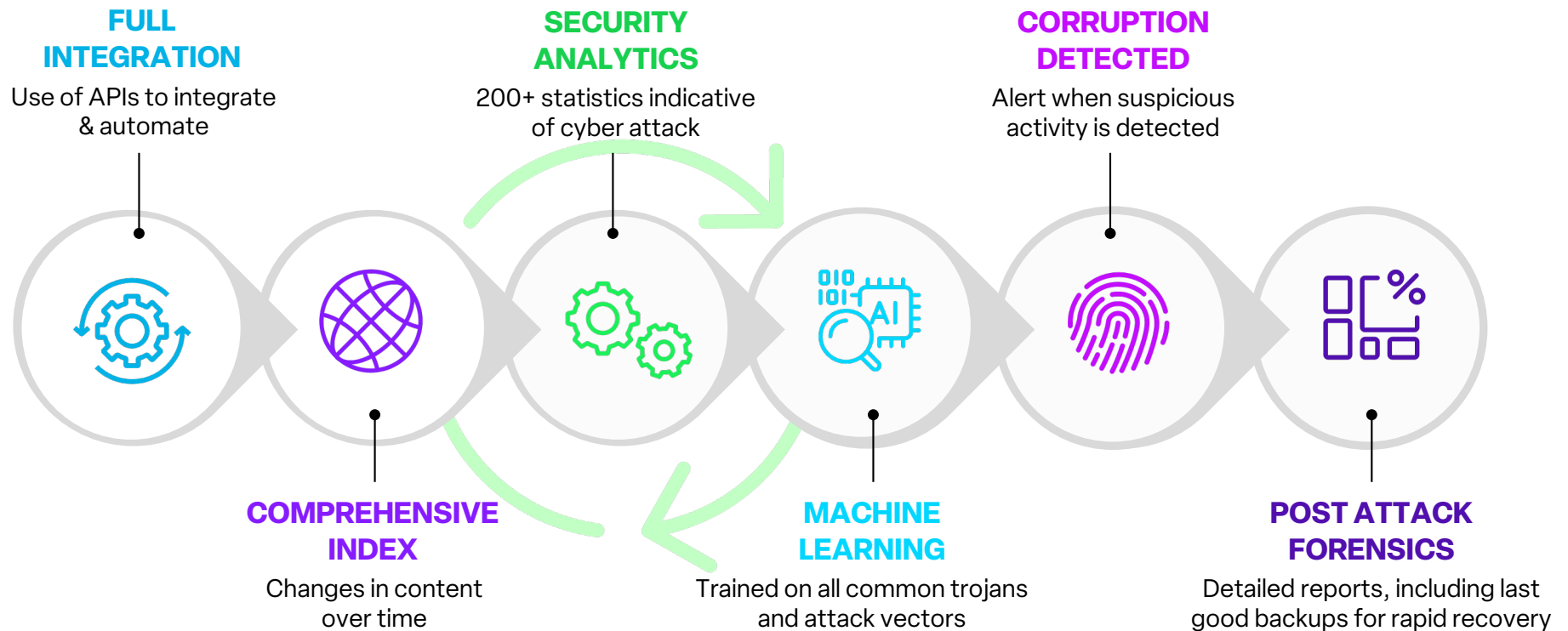


Contracts, Financial Docs
Intellectual Property, etc.



Cyber Detection Workflow

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



InfiniSafe Cyber Detection Early Warning System

- Multiple InfiniBoxes or InfiniBox SSAs replicate to one
- Cyber Detection offload “array” will scan all data files and tag any corrupted files, create forensic report
- Provides the intelligence needed to detect an attack

Multiple InfiniBoxes replicate to offload



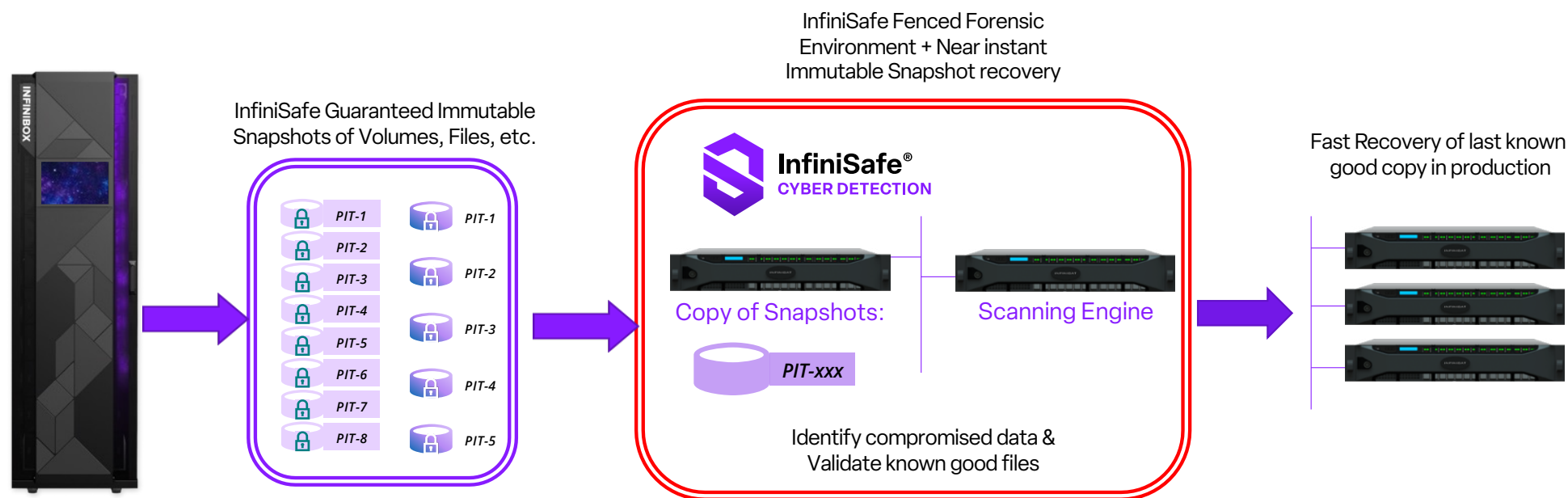
InfiniSafe Fenced Forensic Environment + Near Instant Immutable Snapshot recovery



InfiniSafe Cyber Detection Solution



- Applications can validate immutable snapshots in Fenced Forensic environment
- Cyber Detection will tag any corrupted files, create forensic report
- Provides the intelligence needed to facilitate recovery



Cyber Detect Post Attack Dashboard

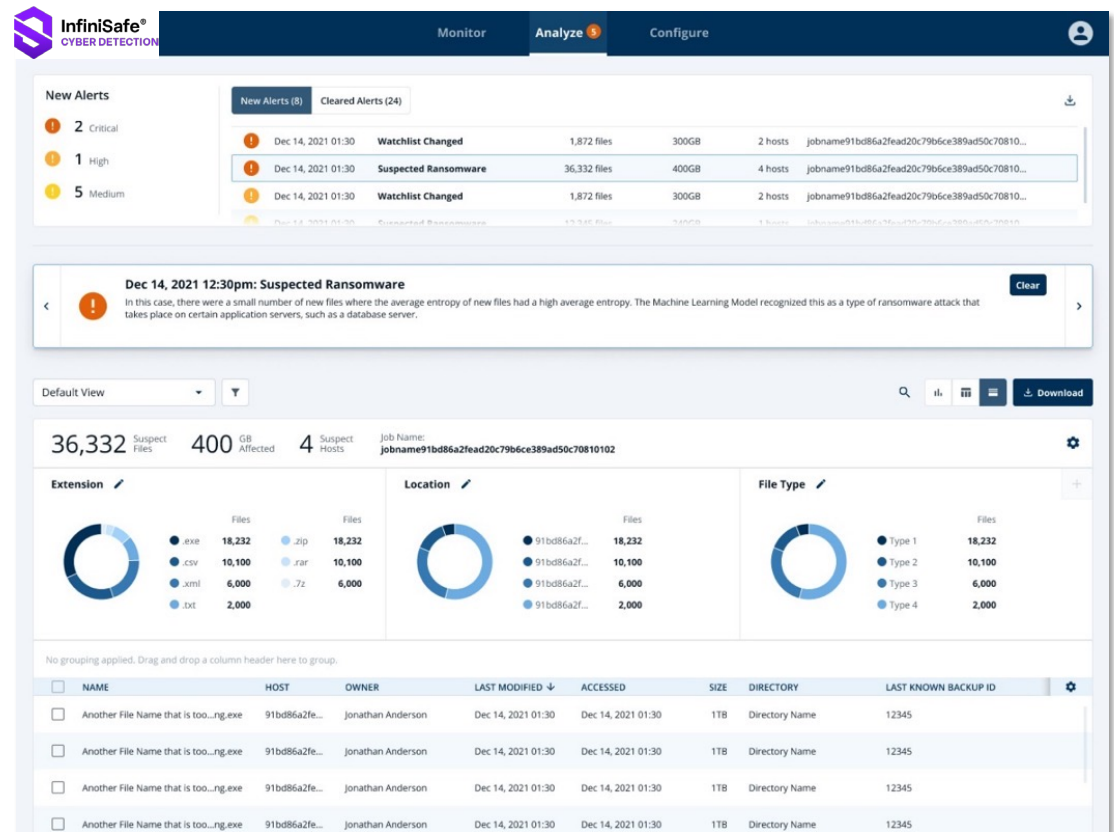
Improved user experience - More insight into data - Intuitive post attack workflow

Alerts organized by severity

New details on suspect corruption

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

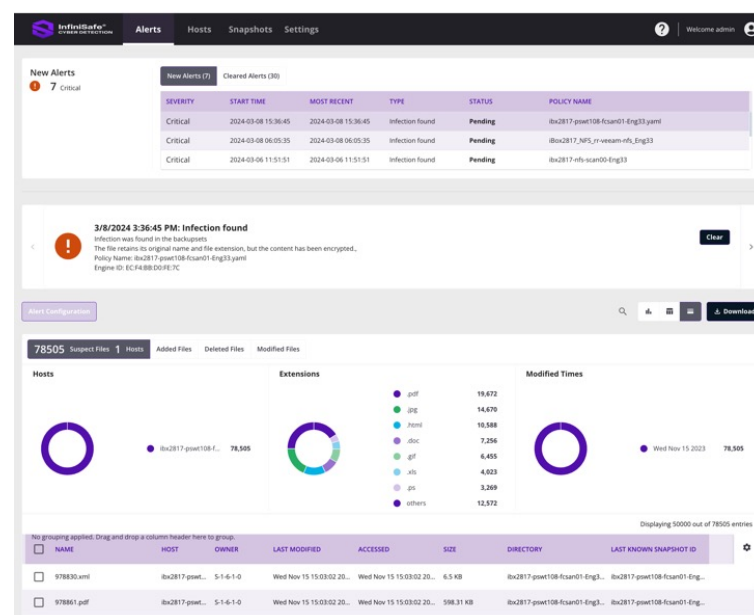
List of corrupted files that can be downloaded



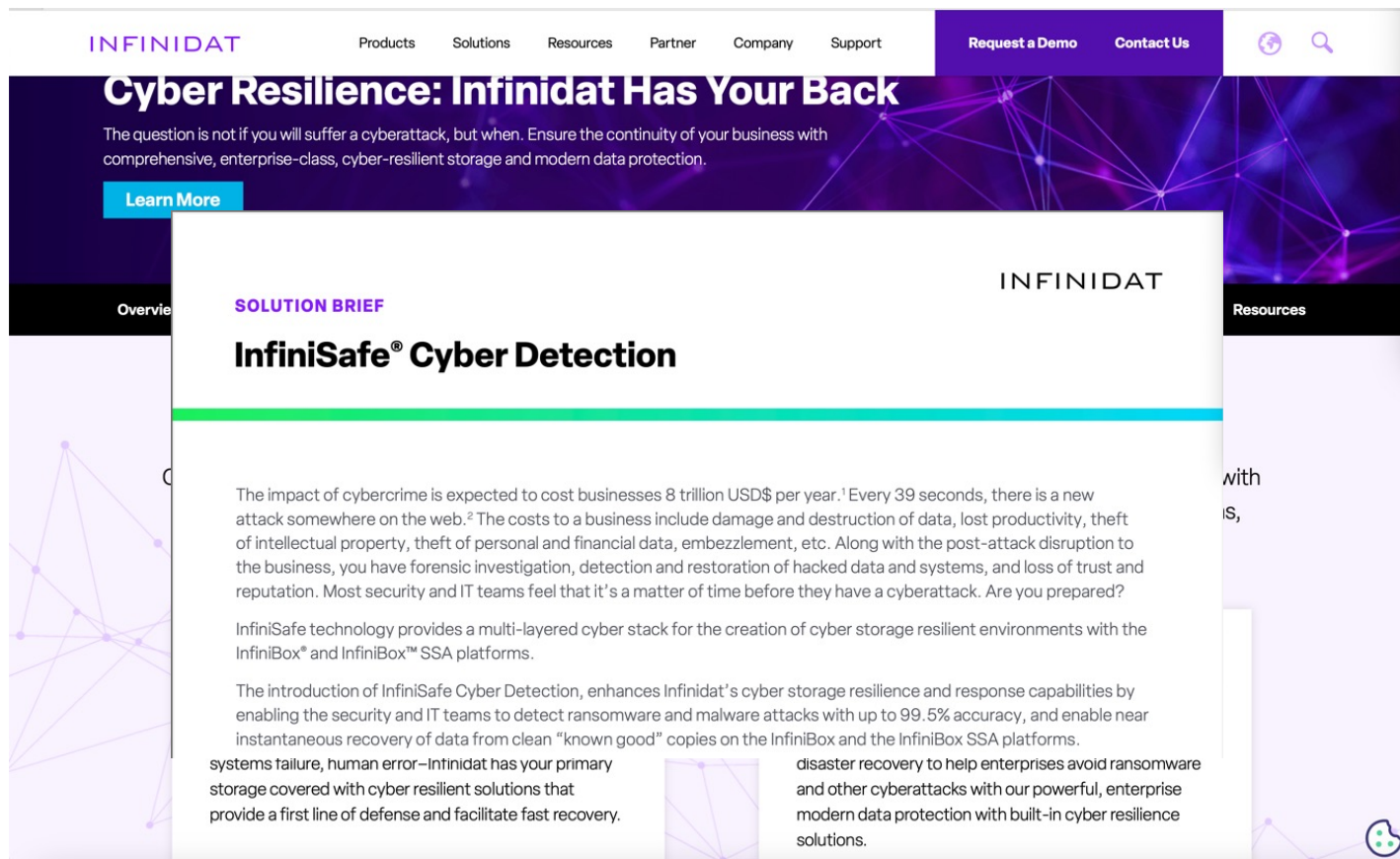
InfiniSafe Cyber Detection



- Identify a VMware datastore to be scanned
 - Uses AI and ML technology to scan for malware, ransomware, and other cyber anomalies
 - Will scan all VMs in the datastore by default
 - Immutable snaps are scanned – Best practice
 - Simple to exclude any VMs not needed to be scanned
 - 99.99% effective
 - Integrated reporting with data center-wide cyber security software or your Security Operations Center through APIs

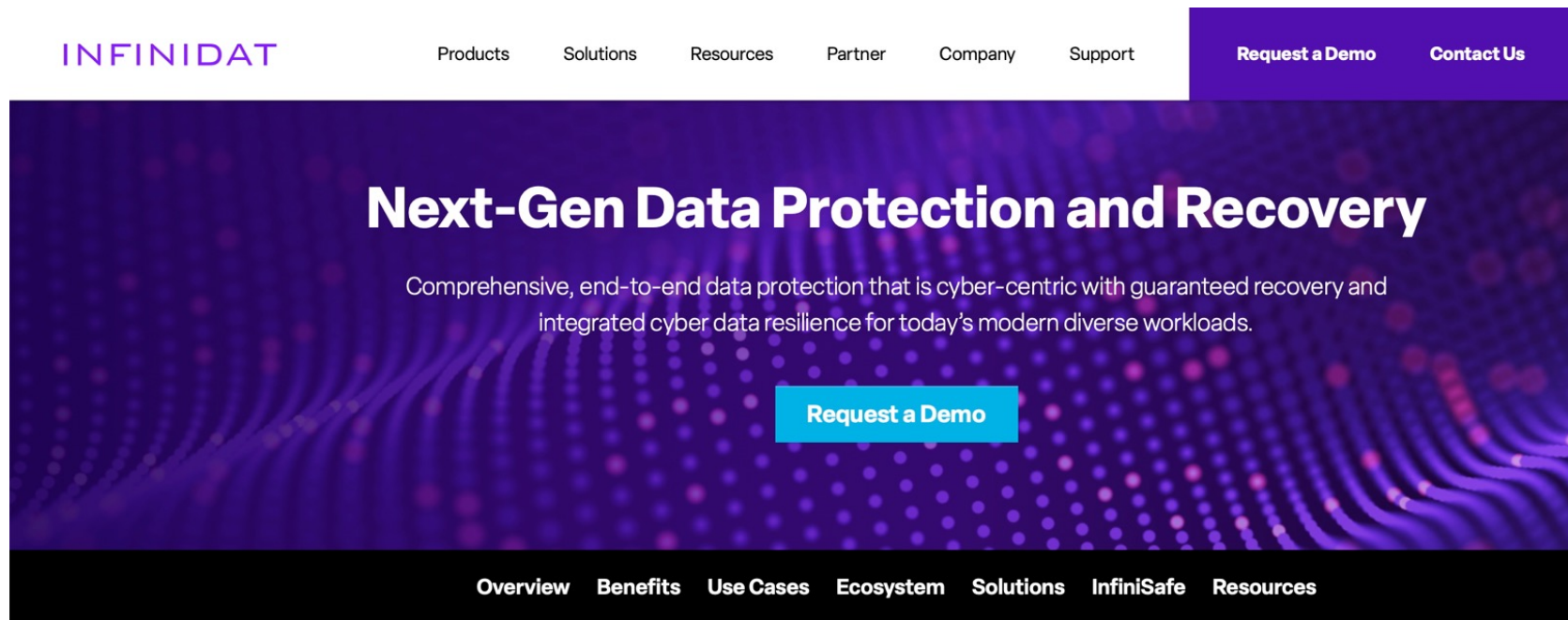


Cyber Storage Resilience Web page



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

Next-gen Data Protection and Recovery Web page




Powerful Cyber Resilience with Recovery Guarantees


Infinidat enterprise storage platforms, InfiniBox and InfiniGuard, deliver outstanding performance levels, availability, cyber resilience, ease of use, and cost savings at scale for today's block and file-based workloads.

<https://www.infinidat.com/en/next-gen-data-protection-and-recovery>

The End Users Have Spoken

**InfiniBox Reviews**
by Infinidat in Primary Storage Platforms
4.9 ★★★★★ 492 Ratings

**InfiniBox SSA Reviews**
by Infinidat in Primary Storage Platforms
4.8 ★★★★★ 25 Ratings

**InfiniGuard Reviews**
by Infinidat in Data Center - Others
5.0 ★★★★★ 21 Ratings



Gartner, Voice of the Customer for Primary Storage Platforms, 24 February 2025
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As of May 30, 2025

 **Thank you**