Winning the war on ransomware

Cornel Popescu

Sr. Syestems Engineer

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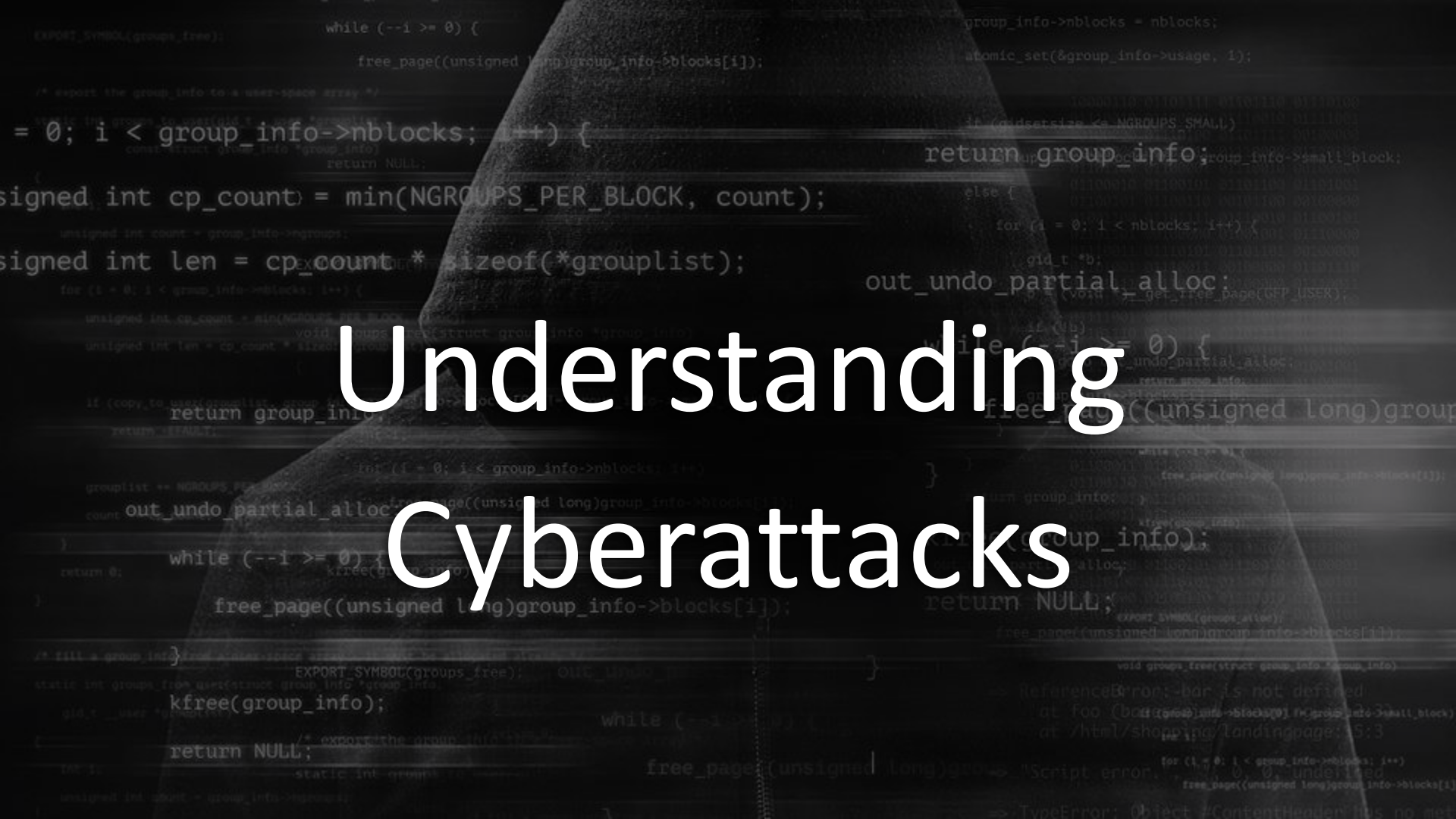
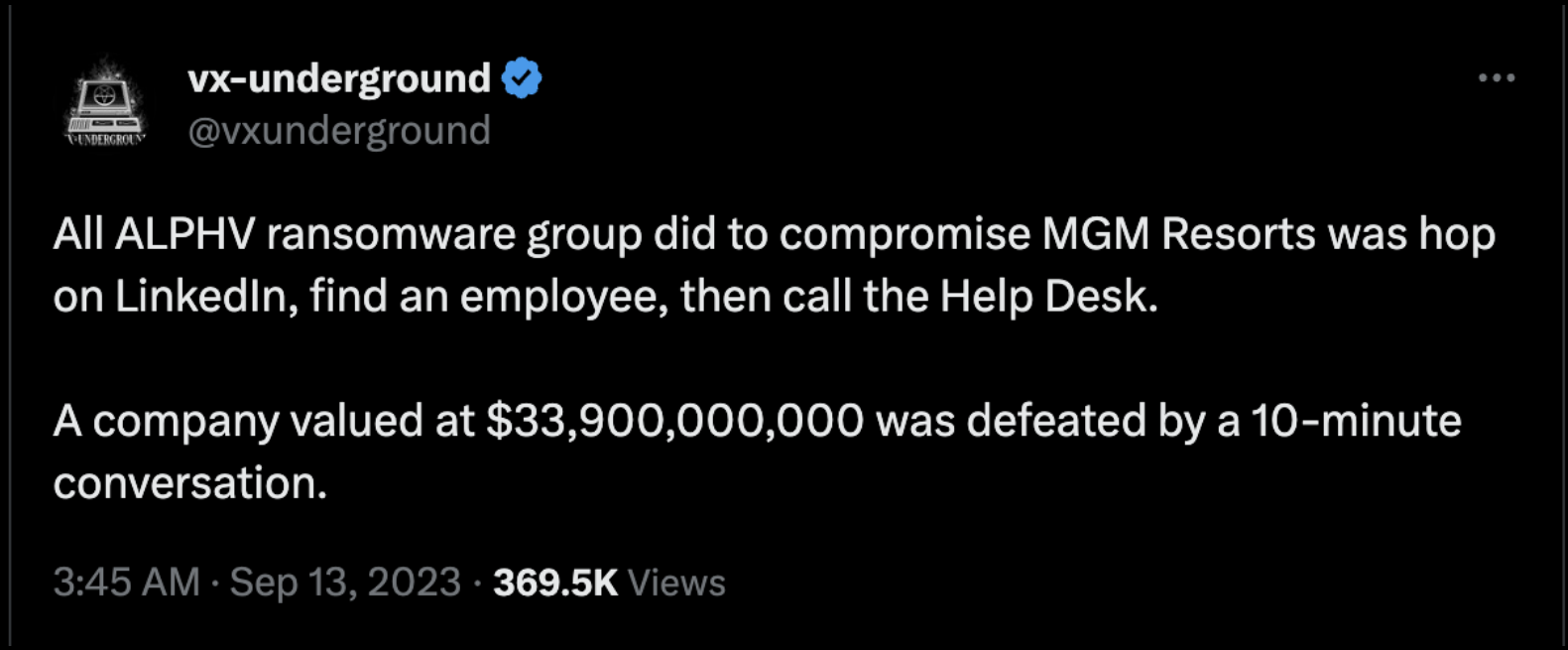

Understanding
Cyberattacks

How to breach



vx-underground
@vxunderground

All ALPHV ransomware group did to compromise MGM Resorts was hop on LinkedIn, find an employee, then call the Help Desk.

A company valued at $33,900,000,000 was defeated by a 10-minute conversation.

3:45 AM · Sep 13, 2023 · **369.5K** Views

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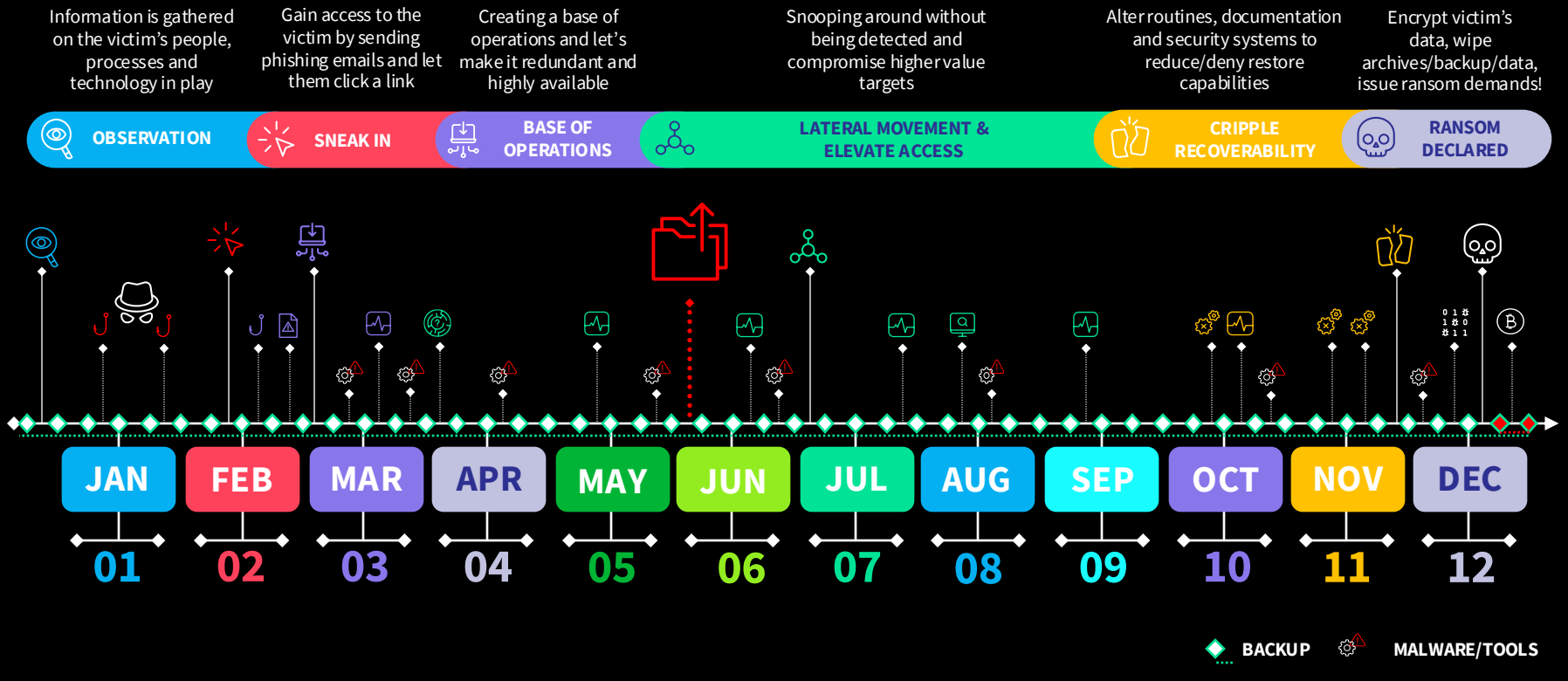
Understanding cyberattacks



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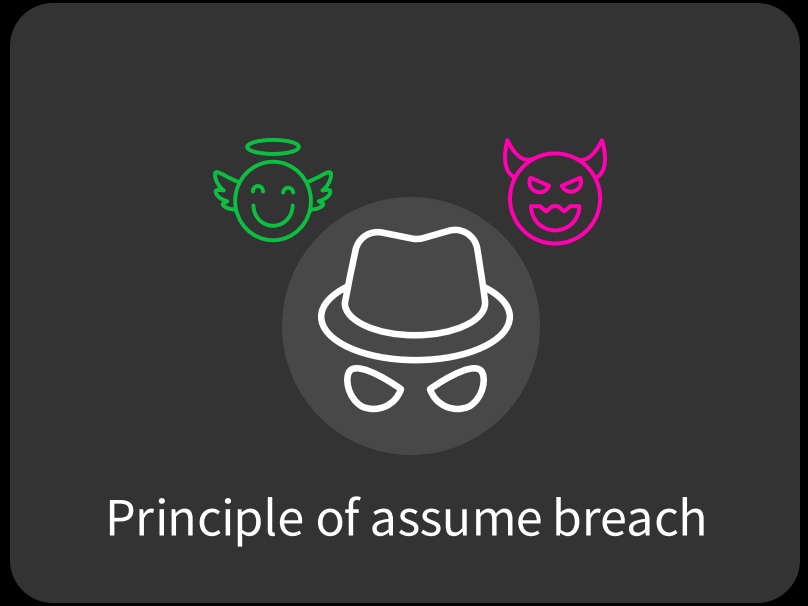
Embrace the Breach

Cyber Security Design Principles

- Establish the context before designing a system.
- Make compromise difficult.
- Make disruption difficult.
- Make compromise detection easier.
- Reduce the impact of compromise.



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Overview of Features

Veeam Data Platform Security Capabilities

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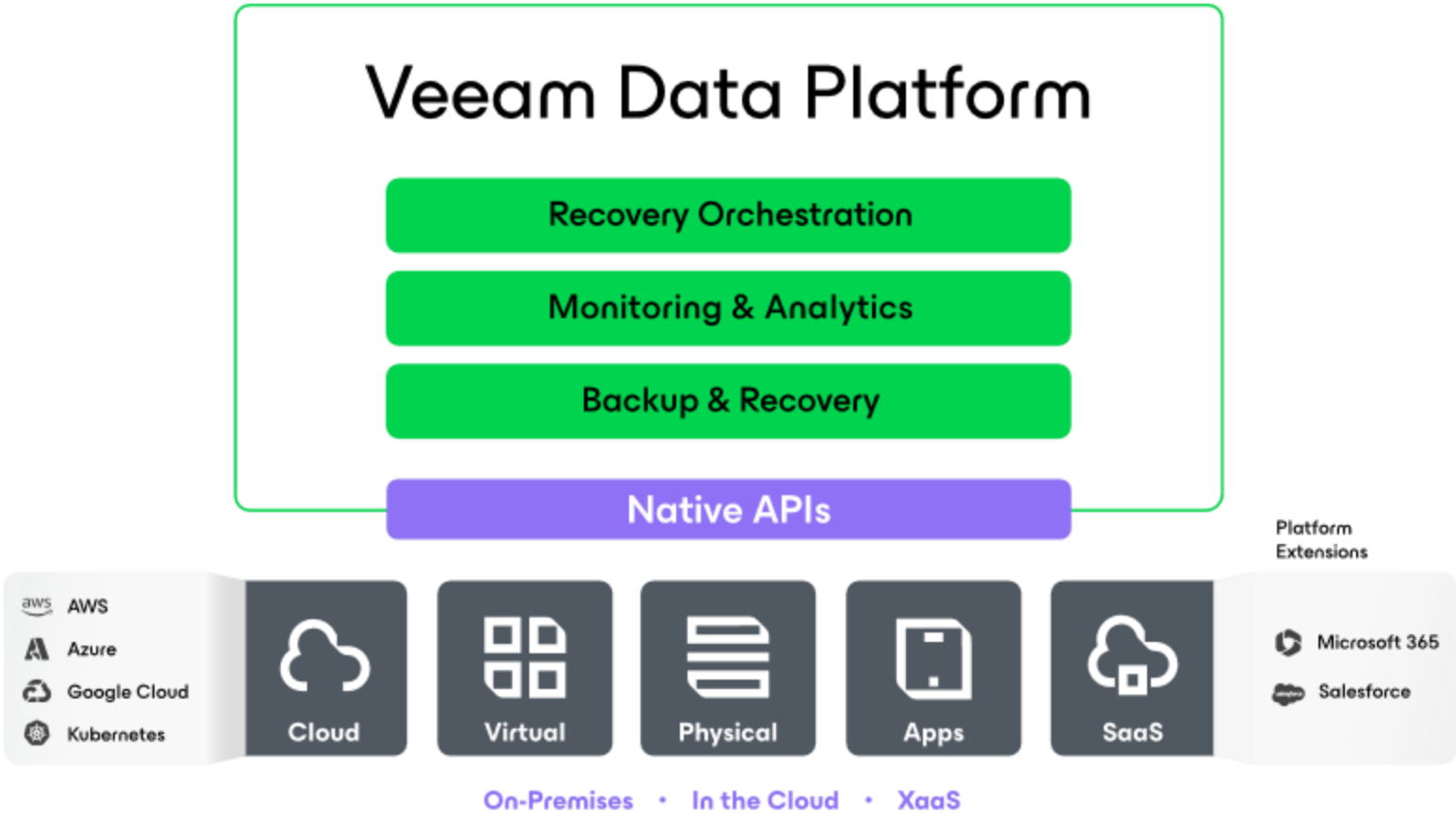

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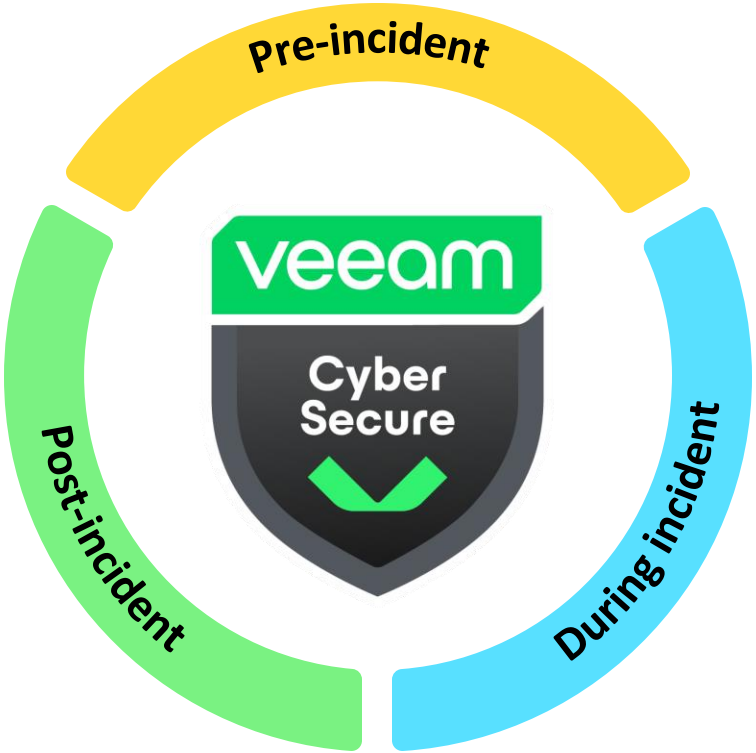

Full Support for Every Stage

Pre-incident

- Malware detection
- ServiceNow and Syslog integration
- Incident API

During incident

- Avoid reinfection
- Fast recovery
- YARA and AV scans

Post-incident

- Security and compliance analyze
- Threat center dashboard
- Four-eyes authorization

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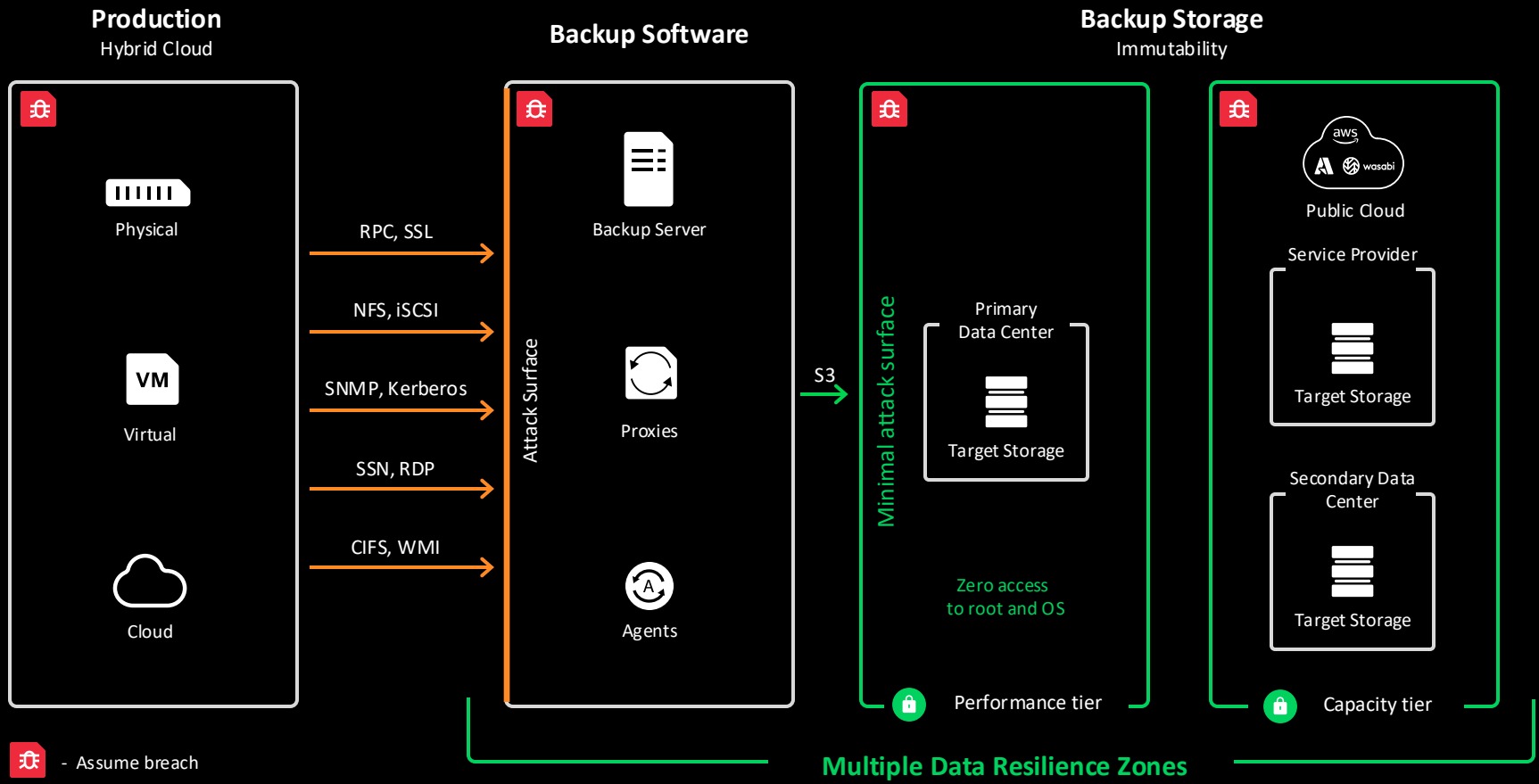
Zero Trust Data Resilience (ZTDR) Architecture



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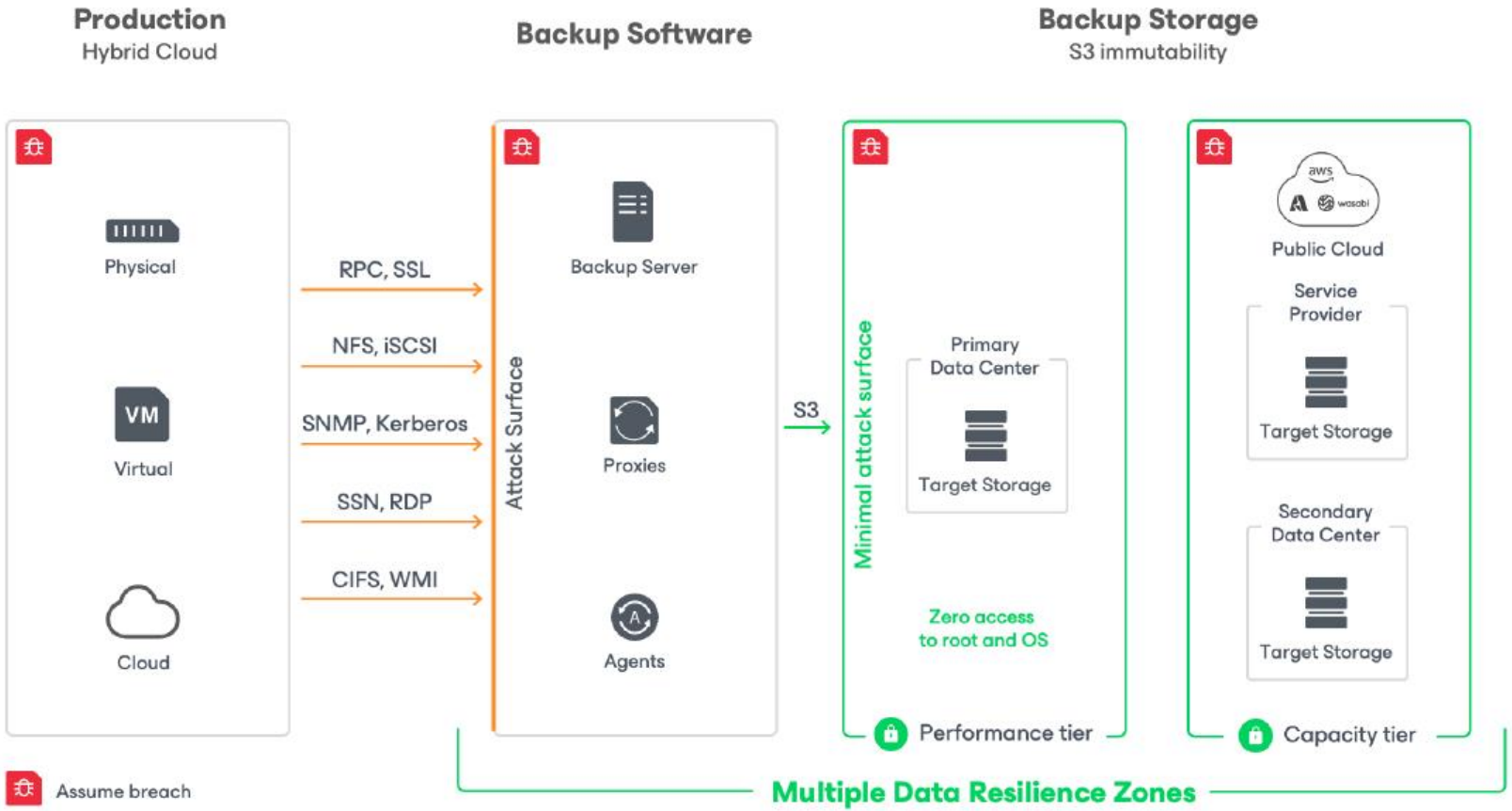

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Pre-incident

Minimize the devastation of a cyberattack

Data Security

Keep your data safe with multi-layered security that gives you confidence your data is always protected.

- Malware Detection
- ServiceNow and Syslog integration
- Veeam Incident API

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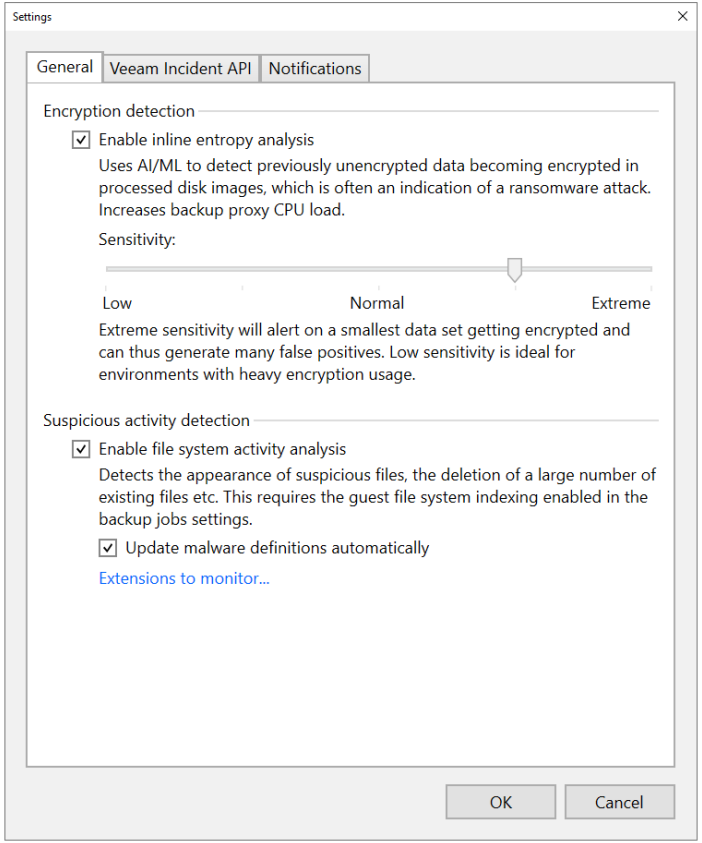
Malware Detection

AI-powered inline scanning and file system analysis

Bring detection closer to the time of infection

- Measure and analyze entropy changes
- Detect known indicators of compromise (IoC)
- Signature based detection



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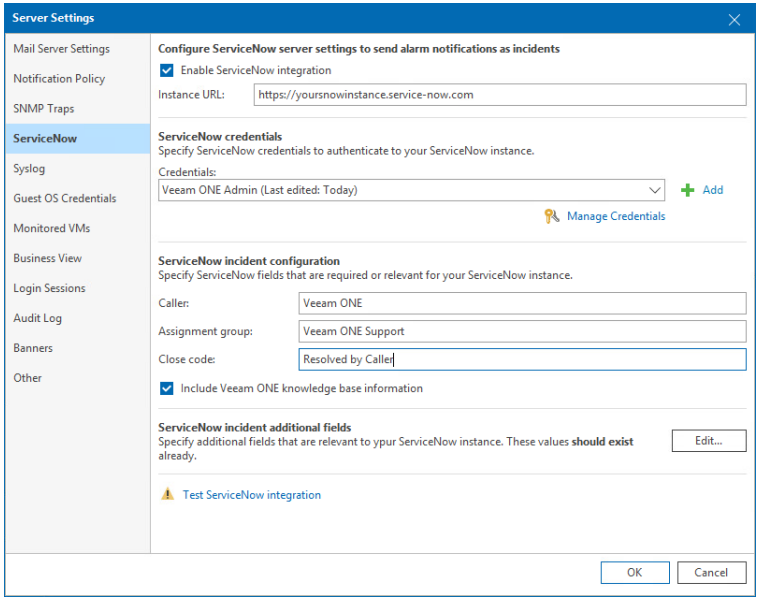
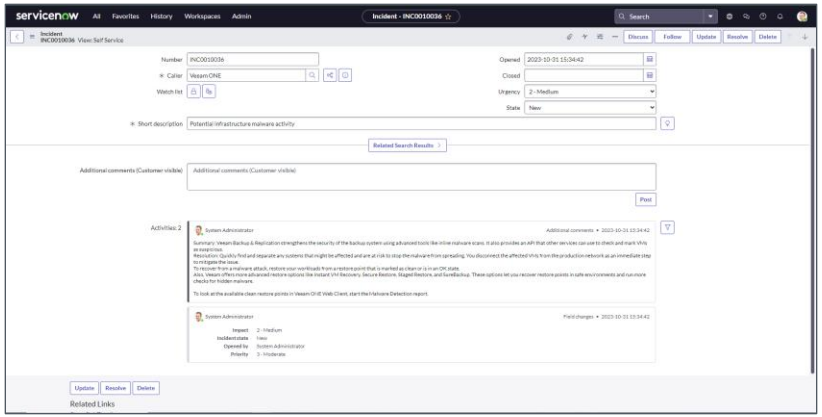
Integration with ServiceNow

Platform observability for the enterprise

Cross-incident lifecycle support

- Seamless integration for Veeam ONE™
- Leverage existing workflows and increase visibility across teams
- Two-way integration ensures both platforms are up to date





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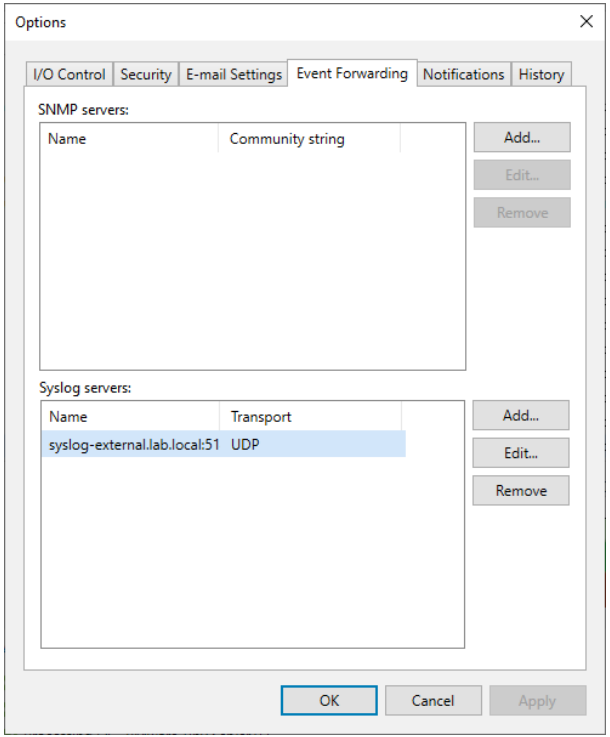
Syslog Event Forwarding

Leverage your existing tools

Broaden the visibility of your protection

- Provide data to SIEM tools for collection, aggregation, and analysis
- Effortless configuration removes the burden of deployment and management
- Streamline and centralize Day 2 operational monitoring



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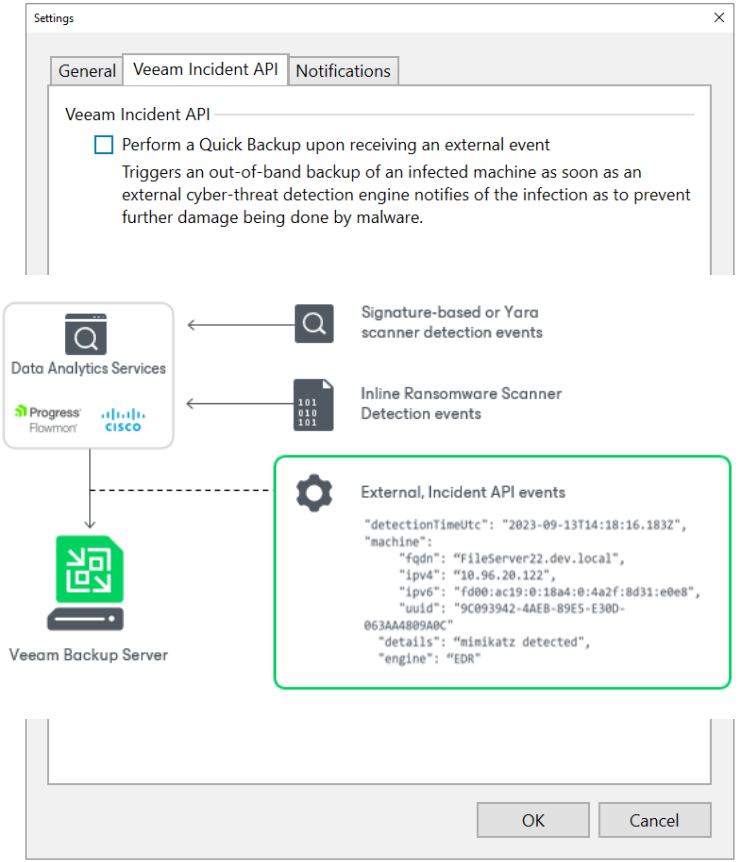
Veeam Incident API

Get a second opinion

Receive real-time infection reports from third party tools

- Integrate with existing EDR/XDR tools
- Remove barriers between security and backup teams
- Minimize damage by immediately performing backups upon notification



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Veeam App for Palo Alto XSIAM and XSOAR

- Centralized view of security-related activity across your environment, now including your Veeam backups
- Pre-configured monitoring and security dashboards allow for easy setup and installation
- Automated, AI-powered investigation saves analysts from alert fatigue and manual processes
- Scalable, AI-powered incident response

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During Incident

Empower your team to slash incident response time

Data Recovery

Breadth and scalability enables you to reliably perform Instant Recovery

- Avoid reinfection
- YARA content analysis
- Fast recovery

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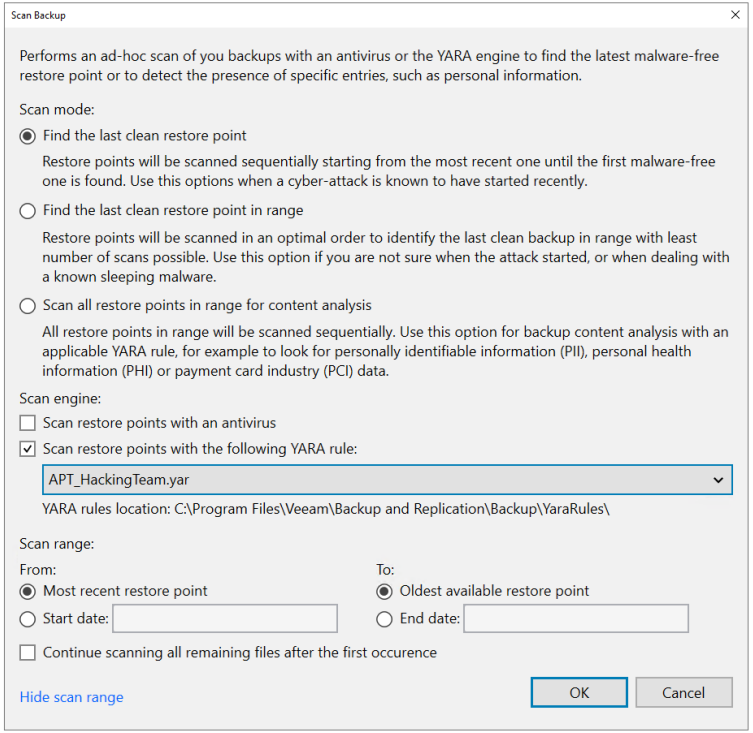
Quickly find a clean backup

YARA content analysis

Pinpoint ransomware strains in your environment

- Comprehensive and customizable backup queries
- Critical path in cyber recovery is finding a clean backup
- Detect compliance violations



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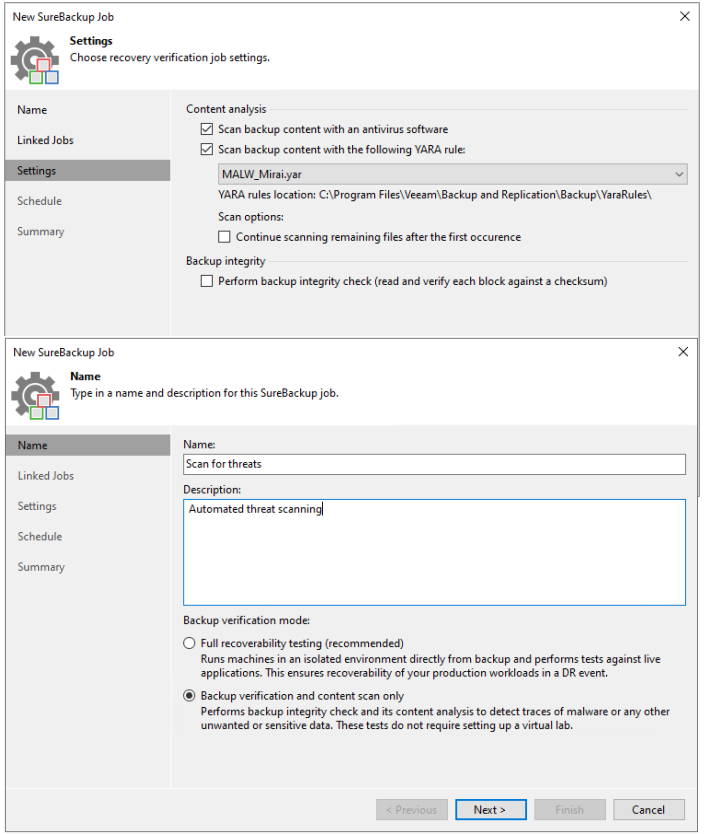
Avoid reinfection

Uncover threats before you restore

Automated offline malware detection

- Automated scheduled scans that support the *new* SureBackup® mode
- Orchestrated ad-hoc scans to assist with investigations
- Powered by **both** antivirus engines and/or YARA rules



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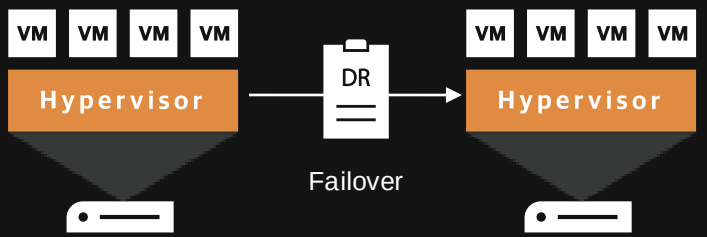
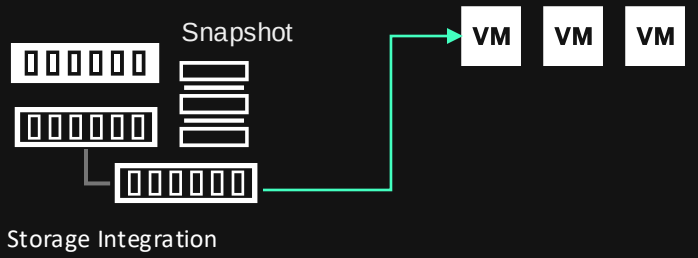
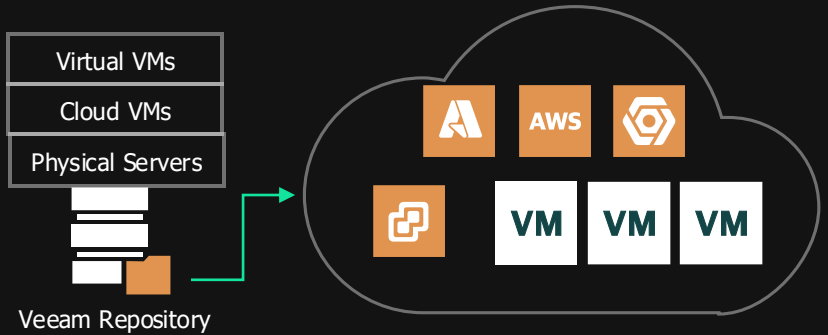
Fastest Recovery Options







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Post-incident

Complete your security and compliance standing

Data Freedom

Support for hybrid- and multi-cloud infrastructures that help protect all your data with zero lock-in. Your data should be protected wherever you need it — in the cloud, on-premises, or at the edge.

- Security and compliance analyzer
- “Four-eyes” principle protection
- Veeam Threat Center

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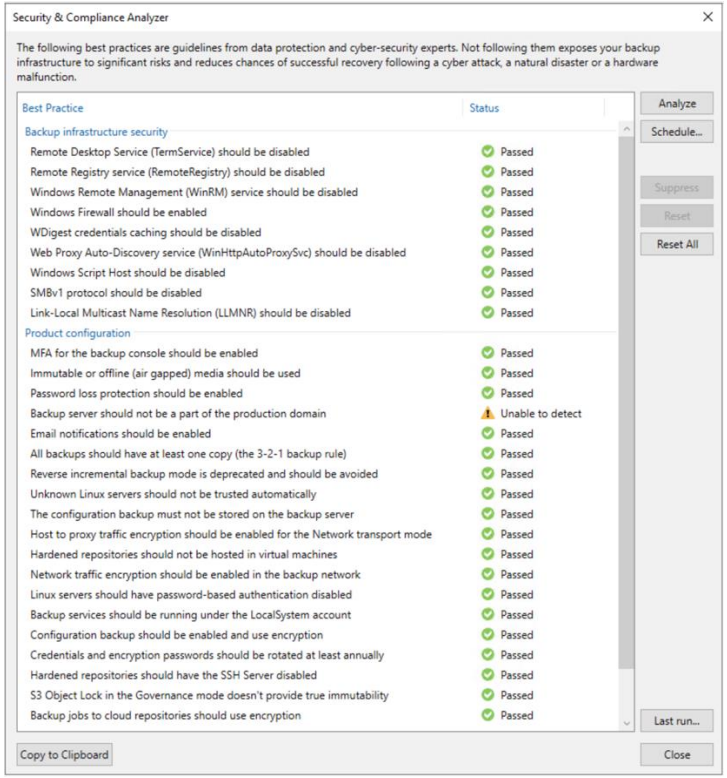
Security and compliance analyzer

Align to cybersecurity best practices

Verify security and compliance

- Uncover and identify risks to your backup infrastructure
- Perform ad hoc scans or execute based on a flexible schedule
- Comprehensive and powerful best practices for backup administrators



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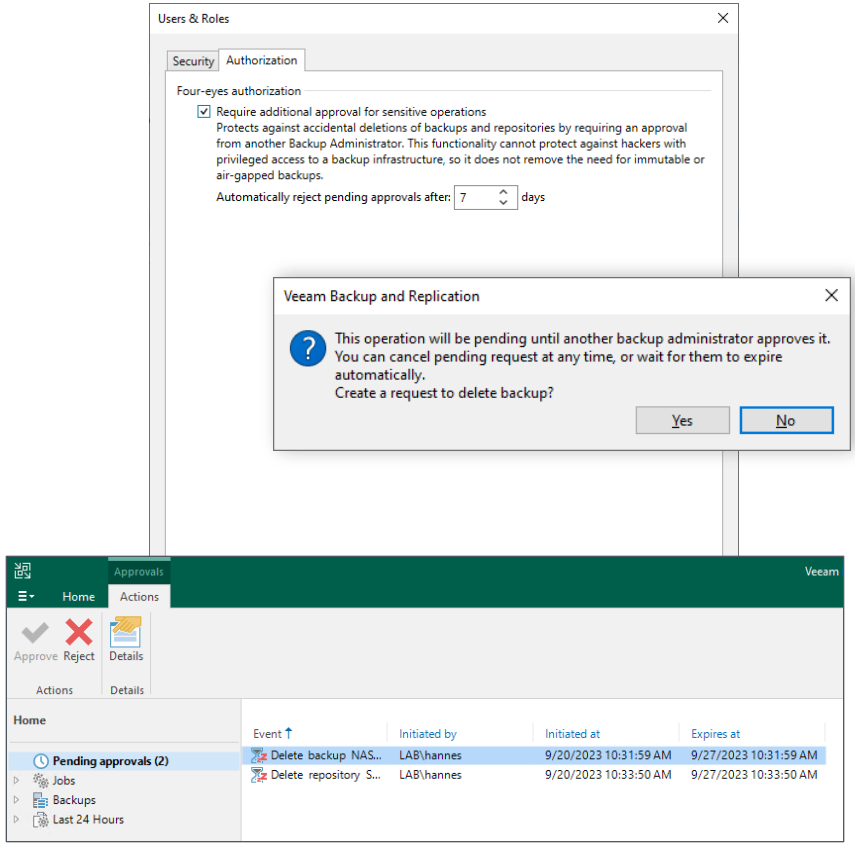
“Four-eyes” principle protection

Prevent accidental or malicious deletion

Remove single points of destruction

- Requires approval by a second backup administrator
- Restrict backup and repository deletions and access setting modifications
- Logged in Veeam history, Windows event log, and email



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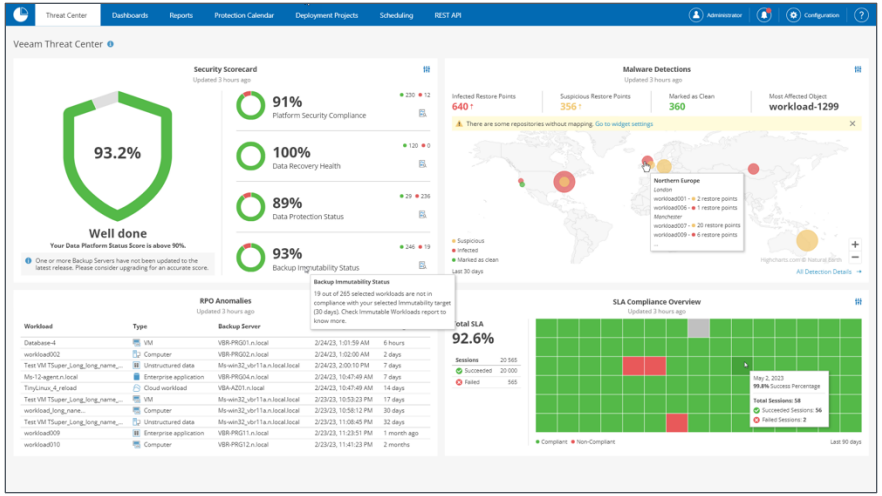
Veeam Threat Center

Put the spotlight on malware

Comprehensive data protection visibility

- Complete platform security score
- Global Malware Detection Map
- Measure compliance and identify recovery point objective (RPO) anomalies



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