

Boost Cyber Resilience and Streamline Operations with Intelligent Automation

Introduction

As organizations grapple with growing volumes of data, increasingly complex IT environments, and a shortage of skilled professionals, the need for efficient and effective data protection and recovery strategies has never been more urgent. The cloud is the #1 attack vector for cybercriminals¹. Yet, 89%² of businesses operate across more than one cloud and 70%³ consider their team's lack of IT skills urgent. This presents a daunting challenge: safeguarding, securing, and swiftly recovering critical data in a complex landscape managed by under-resourced teams. Intelligent automation offers a powerful solution to this challenge. In this document, we'll explore how Veritas leverages intelligent automation to bridge the skills gap, enhance cyber resilience, and streamline operations.

As cyber threats grow more sophisticated, the success rate of attacks continues to climb. A staggering 68% of business leaders believe their cybersecurity risks are increasing⁴. The cost of successful attacks is severe, with average downtime costing \$5,600 per minute⁵. It's not a question of if a breach will happen, but when.

Compounding the issue is the fact that 23%⁶ of applications are expected to remain on-premises indefinitely, resulting in a hybrid, fragmented, and siloed operational landscape. Additionally, enterprises use an average of 109 SaaS applications⁷, expanding the attack surface for cybercriminals and increasing the likelihood of breaches. This complexity further strains already overburdened IT staff.

In this context, intelligent automation becomes crucial for enhancing data protection, security, and recovery capabilities. Veritas, a leader in data protection, provides a suite of intelligent automation solutions designed to streamline operations and improve data protection strategies. This document highlights key automation capabilities and their benefits, organized around four core operational outcomes: Cyber Security, Operational Efficiency, Backup Automation, and Recovery Automation.

Cyber Security Automation

The Veritas Alta suite of products leverages intelligent automation to enhance monitoring and analytics, providing a comprehensive suite of features designed to safeguard data and streamline operations. This section explains Veritas' automated cybersecurity features, like real-time monitoring, predictive analytics, and malware scanning, and how they help reduce risks and keep data protection strong and reliable.

1. Real-Time Monitoring and User Behavior Analytics

Feature Overview: Veritas Data Protection offers real-time monitoring of data protection environments with automated alerting and user behavior analytics for potential issues. This adaptive self-defensive capability uses AI to detect anomalies in administrator's behaviors and if we detect unusual behavior, it automatically increases the user's MFA and MPA settings.

Benefits: This feature ensures swift issue remediation, and proactive problem identification to maintain uptime and cyber resiliency.

2. Ransomware Score Card

Feature Overview: The Veritas Ransomware Resiliency Scorecard is a comprehensive tool designed to evaluate and enhance an organization's preparedness against ransomware attacks.

Benefits: It assesses various aspects of your data protection and recovery strategies to identify potential vulnerabilities and strengths.

3. Automated Malware Scanning

Feature Overview: Veritas NetBackup and Alta Data Protection perform automated malware scanning on all backups and recoveries.

Benefits: This ensures that your backups are free from malware, safeguarding your critical information and maintaining the integrity of your data restoration processes. By integrating advanced threat detection directly into your backup workflow, NetBackup and Alta Data Protection reduce the risk of malware infections, minimize potential downtime, and enhance your overall cyber resilience.

4. Security Risk Meter and Blast Radius Analysis*

Feature Overview: Alta View offers a security risk meter for tracking security configuration changes. Both NetBackup and Alta Data Protection use hash-based content indexing for efficient malware searches across the enterprise.

Benefits: Maintains a secure environment by monitoring security changes and quickly identifies compromised files across all data servers and backups.

5. Automated Reporting and Job Failure Analysis

Feature Overview: Alta View provides automated reports on data protection, system health, and compliance, while Alta Copilot consolidates job failure alerts, analyzes failure reasons, and performs log analysis to determine the root cause.

Benefits: Reduces manual reporting efforts, ensures timely insights for compliance, and simplifies failure resolution by highlighting issues and their implications.

Operational Efficiency Automation

Operational efficiency is essential for smooth data protection. Veritas improves this with intelligent automation in its solutions. This section highlights Veritas Data Protection features like Alta Copilot, smart workload management, automated infrastructure setup, and predictive analytics. These tools automate tasks, offer insights, and streamline management, boosting efficiency, reducing errors, and ensuring reliable and scalable data protection.

1. Operational Assistant: Veritas Alta Copilot*

Feature Overview: Veritas Alta Copilot automates routine tasks, provides predictive insights, and enhances decision-making processes.

Benefits: Improves efficiency, reduces errors, and proactively addresses potential issues, leading to better performance and cost savings.

2. Predictive Analytics and Monitoring

Feature Overview: Veritas predictive analytics and monitoring leverages artificial intelligence to monitor system health and predict potential failures before they occur.

Benefits: Enhances system reliability by proactively addressing issues, reduces downtime, and improves overall service availability.

3. Automated Policy Generation*

Feature Overview: Administrators tell Alta Copilot, our AI-based natural language operations assistance, what level of data protection and security is required, and the policies are automatically generated.

Benefits: Enhances system administrator's productivity and ensures adequate data and security protection for all data.

4. Intelligent Groups

Feature Overview: Veritas NetBackup and Alta Data Protection provide for the automatic discovery and protection of new workloads.

Benefits: Ensures new workloads are automatically included in protection plans, reducing the risk of unprotected data.



Backup Automation

Efficient backups are crucial for protecting data and enabling quick recovery. Veritas uses intelligent automation to improve backup operations with features like automated scheduling, prioritizing important data, and optimizing storage. This section covers Veritas' backup automation tools, including automatic scheduling, smart backup and restore, and adaptive deduplication, which help optimize resources, reduce manual work, and boost backup performance, leading to better data protection and cost savings.

1. Automated Backup Scheduling and Management

Feature Overview: Veritas provides advanced scheduling capabilities that automatically manage backup windows based on policies and data usage patterns.

Benefits: Ensures optimal utilization of resources, minimizes manual intervention and reduces the risk of missed backups due to human error.

2. Intelligent Backup and Restore

Feature Overview: Leveraging machine learning, Veritas solutions can predict and prioritize critical data for backup and recovery, ensuring the most important data is always protected first.

Benefits: Reduces downtime during recovery and ensures business-critical data is readily available when needed.

3. Autoscaling

Feature Overview: Veritas Alta Data Protection powered by Cloud Scale Technology enables seamless scalability and flexibility across multi-cloud and hybrid environments, allowing organizations to efficiently manage and protect vast amounts of data regardless of location.

Benefits: Optimizes resource utilization, reduces costs, and enhances performance by dynamically allocating storage and compute resources based on real-time needs ensuring consistent and reliable backup, recovery, and data management.

4. Adaptive Deduplication

Feature Overview: Veritas employs adaptive deduplication techniques that automatically adjust deduplication processes based on data type and change rates.

Benefits: Reduces storage requirements and improves backup performance by eliminating redundant data, leading to cost savings and faster backup times.

Recovery Automation

Quick and reliable data recovery is key for keeping businesses running smoothly during disruptions. Veritas uses intelligent automation to speed up and improve the accuracy of recovery. This section highlights Veritas' automated recovery features, such as smart restore operations, automated recovery orchestration, optimal backup selection, and secure cloud storage token generation. These features help reduce recovery time, limit data loss, and ensure a smooth and secure recovery process.

1. Intelligent Restore Operations

Feature Overview: Using AI, Alta View prioritizes, and streamlines restore operations, ensuring critical data is recovered first.

Benefits: This reduces recovery time, ensures business continuity, and enhances user satisfaction during the recovery process.

2. Automated Orchestration Recovery

Feature Overview: Veritas Alta View Blueprints provides automated orchestrated recovery, ensuring that applications and data can be easily and rapidly recovered, in the desired order, in the event of a disaster.

Benefits: Minimizes downtime and data loss, ensures business continuity and reduces the complexity and cost of managing recovery. This is achieved by creating and executing orchestrated workflows for malware scans, recovery, and recovery rehearsals for recovery groups within production environments and across regions/data centers, including prioritized operation order.



3. Recommended Optimal Recovery Points

Feature Overview: Veritas Alta View provides an enhanced proactive analysis of asset recovery points by recommending the one that best that minimizes time-to-restore and potential data loss.

Benefits: Minimizes downtime and data loss and optimizes administrators' efficiency by automatically highlighting the best option for a rapid recovery. It also displays an estimate of the time-to-restore (hrs) and data-loss-upon-restore (GBs).

4. Automatic Token generation

Feature Overview: Veritas Alta Recovery Vault uses token-based credentials to provide cloud storage in Azure that is designed to offer enhanced security. Alta Recovery Vault can now automatically generate tokens.

Benefits: This ensures a quick and streamlined recovery while maintaining the highest level of security.

Conclusion

Veritas' commitment to intelligent automation in data protection is evident through its comprehensive suite of features designed to enhance backup and recovery, data management, compliance, and operational efficiency. By leveraging advanced technologies such as machine learning and artificial intelligence, Veritas not only improves the reliability and effectiveness of data protection strategies but also empowers organizations to manage their data with greater precision and insight. These intelligent automation features are crucial for organizations seeking to ensure a robust, resilient environment.

*Available Fall 2024

1. Enterprise Storage Group 2023
2. Flexera State of the Cloud Report, 2022
3. Businesswire, 2023
4. Accenture 2023
5. Gartner Group 2023
6. Fortinet 2021
7. BetterCloud Research Report 2023

About Veritas

Veritas Technologies is the leader in secure multi-cloud data management. Over 80,000 customers—including 91% of the Fortune 100—rely on Veritas to help ensure the protection, recoverability and compliance of their data. Veritas has a reputation for reliability at scale, which delivers the resilience its customers need against the disruptions threatened by cyberattacks, like ransomware. No other vendor is able to match the ability of Veritas to execute, with support for 800+ data sources, 100+ operating systems and 1,400+ storage targets through a single, unified approach. Powered by Cloud Scale Technology, Veritas is delivering today on its strategy for Autonomous Data Management that reduces operational overhead while delivering greater value. Learn more at www.veritas.com. Follow us on X at [@veritastechllc](https://twitter.com/veritastechllc).

VERITAS™

2625 Augustine Drive
Santa Clara, CA 95054
+1 (866) 837 4827
veritas.com

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information visit:
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