

Cloud Cyber Resilience

Cloud Snapshots ≠ Cyber Recovery

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Your Cloud's Complexity is Your Biggest Vulnerability



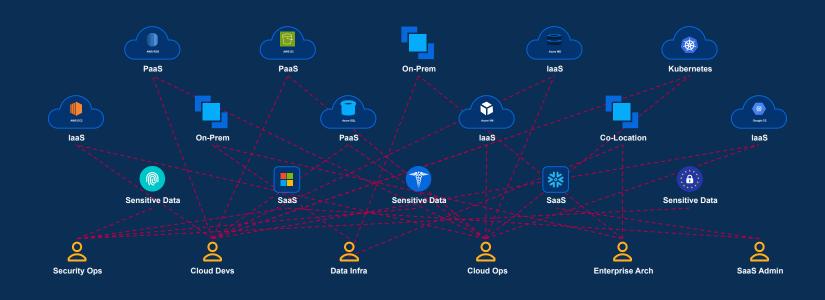


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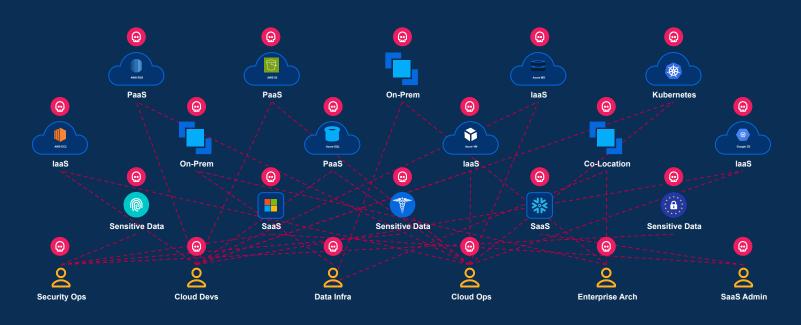




Your Cloud's Complexity is Your Biggest Vulnerability



And it's Under Siege







how long will your business be down?





Deal with Zero Day Attacks











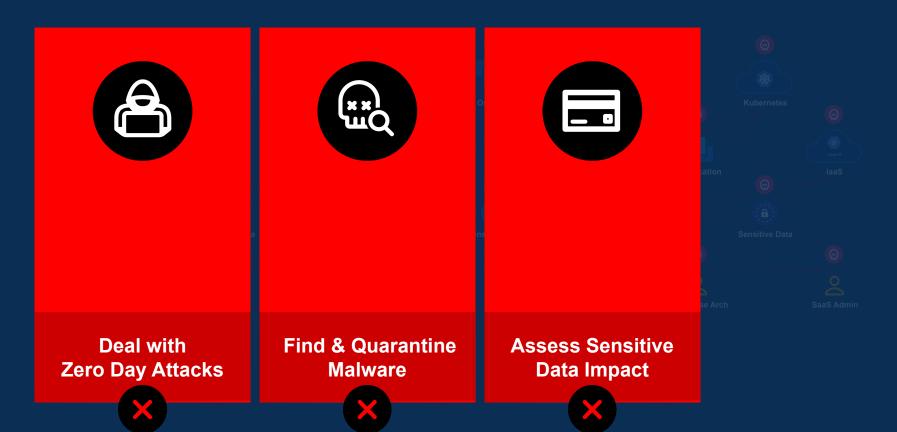
Deal with Zero Day Attacks

Find & Quarantine Malware



















Deal with Zero Day Attacks



Assess Sensitive Data Impact

Calculate Clean Recovery Point





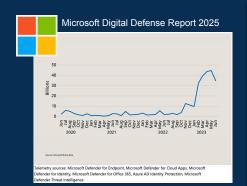






No wonder when your cloud is breached, you're down for weeks.

Impact of recent attacks and relevance for every Company



- · A rise in disruptive attack campaigns. There has been an 87% increase in campaigns aimed at disrupting customer environments through ransomware, mass deletion, or other destructive actions.
- An escalation in credential theft and data exfiltration attempts. Credential and access key theft attempts are up 23%. Attempts to extract sensitive data from storage accounts and databases increased by 58%.
- 600 M identity attacks/day up 10×
- 4.000 attacks per second on average
- 87% increase in attack campaigns
- Cloud workloads = prime target (token) theft, SaaS lateral moves)
- Identity now the #1 entry vector in manufacturing & retail incidents





Manufacturing

Retail

Help-desk / MFA reset /

misconfiguration, M365

Full retail business stop

AD dump / Azure

compromise

infiltration based on

£300 M profit hit,

£1.2B reduction in

Healthcare

What Happened?

Business

Impact

Likely identity-led. AD + ERP affected

Full production halt

\$6.8 M/day losses, bankruptcy warnings & thousands of job lay-offs in supply chain Multi-week outage

Mirrors OT/IT supply-chain

exposure. One identity-led

intrusion can idle factories and

ripple to suppliers, similar to

your operating model

Why it Matters for You

company value 4 months e-commerce offline; warehouse planning, all communication, hiring, and digital payments down

Retail-like order flows exist in aftermarket spares; an identity breach can stall e-commerce & POS-like portals, stop customer and internal communication, hit service revenue and customer trust

Identity + on-prem + cloud compromise -> Commvault backups deleted

> Disconnection of core transaction services

\$2.9 B total impact

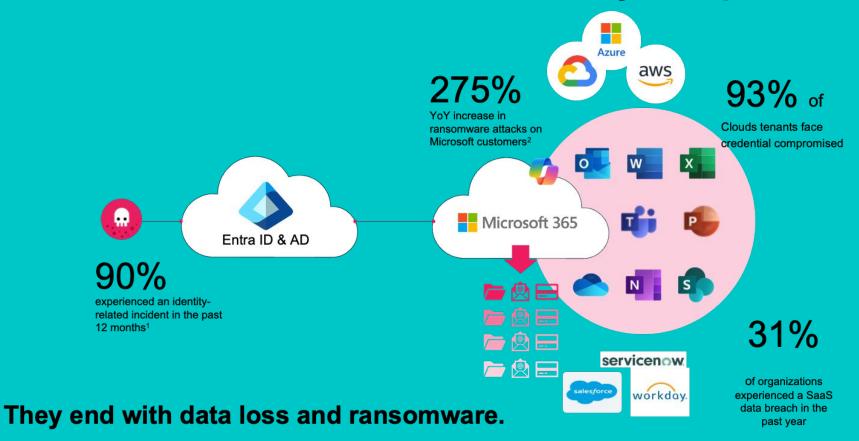
National disruption, sensitive data exfiltrated (but not identified which ones), regulatory fines, CEO stepped down

Shows how platform centralization (e.g., global ERP/PLM/CRM) can become single points of failure affecting cash flow & customer deliveries

Public disclosures (Jaguar Land Rover 2025, M&S 2025, UnitedHealth 2024).



We see that attacks start with identity compromise





Introducing Rubrik Security Cloud















































Unstructured Data







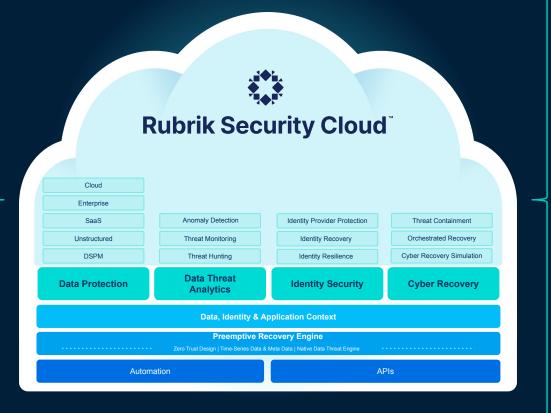


Identity Providers





One Platform for Cyber Resilience Across Data + Identity













Splunk/Cisco



Current State



Deal with Zero Day Attacks



Find & Quarantine **Malware**



Assess Sensitive Data Impact



Calculate Clean **Recovery Point**







Pre-Scan **Backup Images**





Current State



Deal with Zero Day Attacks

Pre-Scan

Backup Images



Find & Quarantine Malware



Assess Sensitive Data Impact



Calculate Clean Recovery Point







Hunt Threats on Pre- Calculated Hashes









Deal with Zero Day Attacks



Find & Quarantine **Malware**



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Calculate Clean **Recovery Point**





Hunt Threats on Pre-Calculated Hashes



Pre-Discover Sensitive Data









Pre-Scan

Backup Images



Deal with Zero Day Attacks





Pre-Scan
Backup Images



Find & Quarantine Malware



Hunt Threats on Pre-Calculated Hashes



Assess Sensitive Data Impact



Pre-Discover Sensitive Data



Calculate Clean Recovery Point





Pre-Calculate Clean Recovery Points







Up to 100x Faster Recovery

No clean room required.



Cloud Backup Posture Risk Management

Problem: Lack of visibility into cloud data increases risk & costs

 Cloud data sprawl makes it difficult for IT and security teams to understand where all the cloud data lives and whether that data is properly protected

Solution: Visibility into backup status, sensitive data, and more, included in all Cloud licenses

- Find and protect unprotected critical data to reduce risk
- Shift backup to Rubrik to achieve backup cost savings
- Remove stale data (not accessed in >90 days) or orphaned data, reducing risk and cost

Why Rubrik?

- Achieving this level of visibility would require implementation of additional tools; get this embedded in what you've already bought
- Easy to continuously monitor cost savings and risk reduction capabilities





Comprehensive Data Protection for cloud

































AWS DynamoDB

AWS RDS

AWS Aurora

AWS S3

AWS EFS

AWS FSx

AWS EKS

VMware Cloud

on AWS (VMC)

SQL Server

Oracle

SAP HANA

MongoDB









































Azure VM

Azure SQL

Kubernetes Service (AKS)

Azure Files

Microsoft

Entra ID

SQL Server

Azure VMware Solution (AVS)

Oracle

SAP HANA

MongoDB





GCE VM



Persistent

Disks



Google Cloud

VMware Engine

(GCVE)





SQL Server







Oracle

SAP HANA

MongoDB











Oracle Cloud VMware Solution (OCVS)

Rubrik Anomaly Detection

Detect Ransomware in Backup Data to Respond Quickly



Get Alerts for Suspicious Activity

Scan new backups for anomalous data changes



Detect Ransomware Infection Type

Minimize infection impact



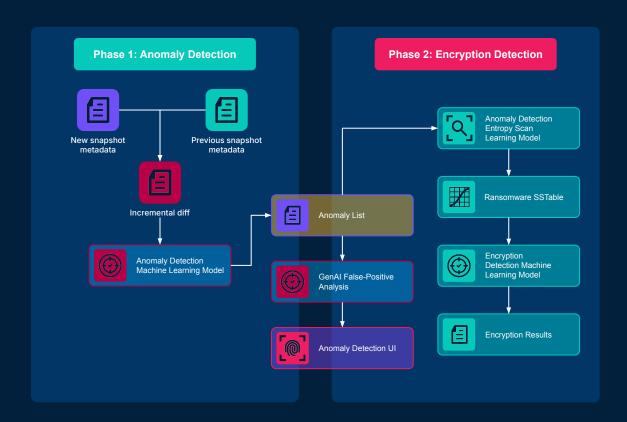
Assess Impact of an Attack

Quickly identify and locate impacted VMs and files



How It Works

- Metadata for a new snapshot is generated and compared to the previous snapshot to generate diff
- Diff is fed to ML Model to detect Anomalies
- 3. List of Anomalies is generated
- Check for non-malicious anomalies with GenAl
- 5. Anomalies sent to UI
- 6. Detected Anomalies are analyzed for encryption
- 7. Encryption stats are saved within SSTable file
- Files are fed to ML model to prevent false positives
- Model outputs likelihood of encryption on file





Orchestrated Recovery

REPARE

ESPOND

RCHESTRATE

Customer Challenge

Customers lack repeatable and validated recovery plans, owing to operational complexity and manual effort in testing. Lack of historical data also limits process improvement and auditability

During an attack, customers struggle with finding IOC-free clean backup for recovery, relying on guesswork or 3rd party tools, thereby risking reinfection and increasing downtime

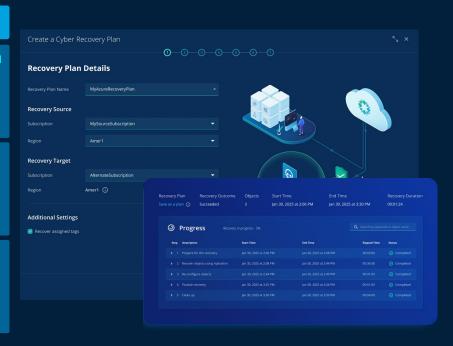
During recovery, customers juggle manual, slow and error-prone processes across recovery and incident response, inflating business downtime and jep[ordizing RTOs

Rubrik Solution

Rubrik enables customers to create and test recovery plans in isolated environments, without impacting production, as well as provides comprehensive reporting for compliance and refinements

Rubrik provides integrated threat hunting and anomaly detection enabling quick and easy identification of clean-point-of recovery to execute pre-validated recovery plans

Rubrik enables orchestration of pre-validated recovery plans with just a few clicks, as well as, ad-hoc cyber recovery for scenarios not covered by pre-defined plans, expediting complex workflows



Customer Benefits

Confident & Clean Recovery: Recover from cyber attack confidently and reliably without risking reinfection with battle-tested recovery plans and easy identification of clean-point-of-recovery

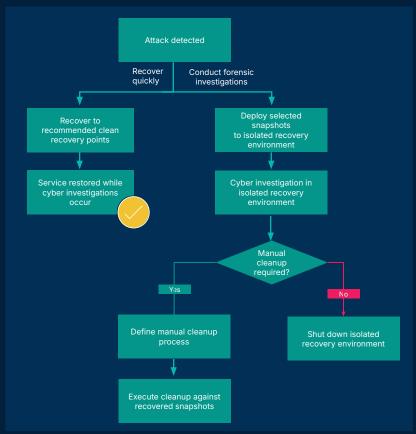
Reduced Downtime & Operational Burden: Minimize disruption and streamline efforts during critical post-recovery period with integrated threat hunting and recovery orchestration

Compliance & Governance Adherence: Satisfy regulatory mandates and demonstrate recoverability to leadership and compliance auditors through comprehensive reporting



Orchestrated Recovery: How it Works

- Create recovery plans defining, destination subscription, vNet for IRE, boot order priority
- 2 Confirm and save recovery plan for future use
- During recovery, start by using loC-free snapshots from completed threat hunts or anomaly detection results. Restore critical business systems the first time using non-anomalous and non-quarantined recovery point filters to reduce reinfection risk
- Mount snapshot for IRE for conducting forensics in parallel with recovery or to further Validate snapshot (before recovery)
- Monitor recovery progress and conduct automated cleanup actions. Generate ad-hoc recovery reports on historical performance and outcomes



The Customer Challenge

Malicious actors can manipulate backup policies and shorten retention period of backups, even to 0 days!

This results in backups expiring before they should, leaving a customer vulnerable to data loss and compliance breaches.

The Rubrik Solution

A comparable security feature to native cloud backup solutions like AWS Backup Vault Lock and Azure Backup Retention Lock. Rubrik can now lock retention of backups to prevent unintended changes.

Rubrik differentiates with a simplified configuration process, and advanced security layers such as DSPM and air-gapped backups for added protection from cyber threats.

Customer Benefits

Enhanced Security - Strengthen security posture with extended immutability capabilities, protecting against ransomware, accidental deletion, or malicious deletion events.

More Control - Gain granular control with retention settings for different types of cloud data.

Reduced Risk - Minimize the risk of data loss from policy conflicts, human error, or bad actors with locked SLA retention settings that cannot be disabled, deleted, or reduced, even by an Admin.

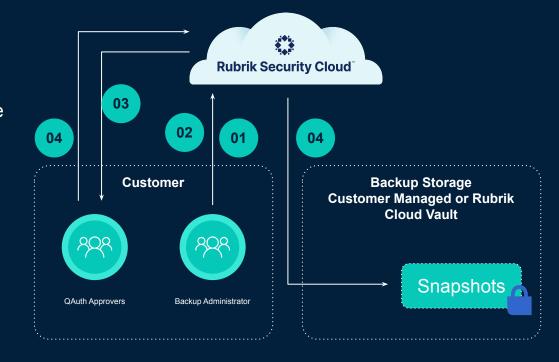


Retention Lock and Quorum Authorization

How it Works

- Customer creates retention locked SLA. Snapshots are now locked to their assigned expiration date
- Customer makes request to configure SLA in such a way that calls for early expiry and/or delete a Retention Locked snapshot
- Action is blocked and held in queue.

 Quorum Authorization request is sent
- Quorum approver(s) log in and either approve or deny the request





Additional Value of Rubrik Security Cloud





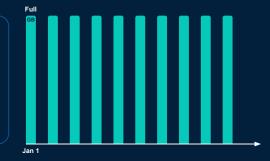


Why is Rubrik More Cost Efficient than AWS Backup for EC2?



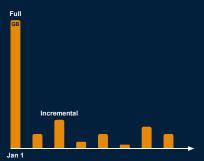












AWS Backup stores a full backup copy in Warm and can only store full backups in Archive. AWS Backup also requires a min 90 day retention in Archive tier.

Rubrik can archive immediately and can store incremental backups. Rubrik does not have a min retention.

*US West, Oregon



Why is Rubrik More Cost Efficient than AWS Backup for S3?



AWS Backup can only store S3 backup data in Warm storage

Rubrik can store S3 backup data across multiple S3 tiers, depending on cost and RTO requirements

*US West, Oregon



Interested in more?





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