

Overcoming the Top 5 Challenges in Ransomware Recovery



Ransomware is the **#1** cause of disaster recovery events today

00:11
Every 11 seconds a ransomware attack occurs²

11 DAYS
Median ransomware dwell time¹
(but it often takes much longer to detect or goes undetected)

92%
of ransom-paying organizations don't regain full access to their data¹

\$4.54M
Average cost of an attack³
(excluding ransom payments)

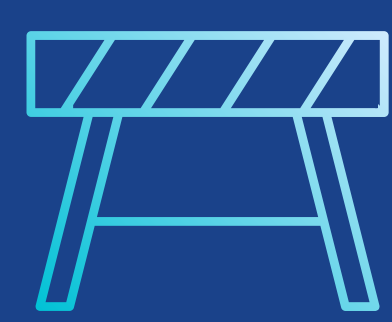
\$265B
Expected financial, organizational and reputational damage by 2031²

VMware Ransomware Recovery for VMware Cloud DR: A purpose-built ransomware recovery-as-a-service solution



Accelerated ransomware recovery at scale, delivered as an end-to-end, integrated SaaS solution.

Guided recovery workflows allow users to quickly identify recovery point candidates, validate restore points using embedded behavioral analysis and restore them with minimal data loss.



VMware Ransomware Recovery addresses the **top 5 ransomware recovery challenges** faced by organizations:

1
Identifying recovery point candidates



Guided restore point selection

- Confidently identify recovery point candidates
- Access insights such as VMDK rate of change and file entropy that allow you to spot anomalous activity within snapshots

2
Validating recovery point candidates



Embedded next-gen AV and behavioral analysis

- Scanning of powered-on workloads for curation and validation of restore points will identify fileless attacks and other security threats

3
Preventing reinfection



On-demand Isolated Recovery Environment (IRE)

- Safe, controlled environment for recovery to prevent reinfection of production workloads
- Push-button VM network isolation levels can be used to isolate VMs at recovery to prevent lateral movement

4
Minimizing data loss



Granular recovery

- Extract individual files and folders from VMs without powering them on and merge them into a final recovery point with minimal data loss

5
Minimizing downtime



Live mount

- Conduct rapid recovery point iterations with Instant Power-On of VMs in the on-demand IRE with no data rehydration or VM format conversions



VMware Ransomware Recovery builds on the foundational ransomware recovery capabilities in VMware Cloud Disaster Recovery™

- + High frequency snapshots
- + Immutable, cloud-based snapshots stored in an air-gapped location
- + Non-disruptive testing of DR plans
- + Deep history of snapshot copies
- + Daily data integrity checks and DR health checks every 30 minutes

The value of Ransomware Recovery as-a-Service



Predictability in recovery



Streamlined selection of recovery point candidates



Integrated curation of recovery point candidates



Unified identification, validation and restore of recovery points

Together, VMware Cloud DR and VMware Ransomware Recovery deliver robust, end-to-end capabilities to drive reliable, predictable, scalable ransomware recovery operations for the modern enterprise.



Visit [vmware.com](https://www.vmware.com) to learn more



Read the announcement



Watch the video

1. Sophos: The Active Adversary Playbook 2021
2. Cybersecurity Ventures
3. IBM Cost of a Data Breach Report 2022