rubrik | Zero Trust Data Security™

cristie software

SOLUTION BRIEF

Continuous Recovery Assurance with Cristie Software RBMR for Rubrik Security Cloud Users

KEY BENEFITS

Physical System Support: Continuous Recovery Assurance provides automation for physical systems, eliminating manual intervention.

Proactive Recovery Assurance: Automatically test recoverability of the latest backups.

Isolated Clean Room Testing: Secure, firewall-protected recovery environment.

Built-in KVM Hypervisor: Perform recovery testing without external infrastructure.

Enhanced Forensics & Malware Scanning: Future support for automated application checks and forensic analysis.

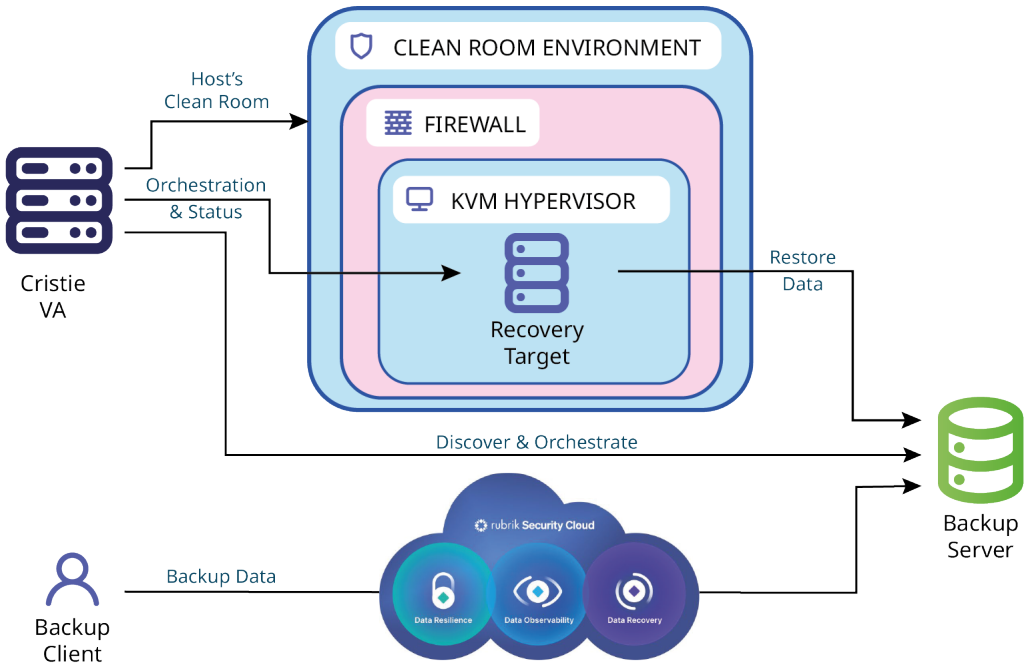
Executive Summary

As the threat landscape evolves, organisations must go beyond basic backup and recovery. They need verifiable, proactive assurance that physical and virtual systems can be recovered at any time, under any conditions. Cristie Software introduced Continuous Recovery Assurance within version 5.2 of its Cristie Virtual Appliance (VA) to deliver exactly that. By integrating an isolated clean room environment and automated recovery validation for RBMR-protected systems, Cristie strengthens enterprise resilience against ransomware, data corruption, and infrastructure failures.

Cristie VA 5.2: Clean Room Integration

Cristie VA 5.2 introduces a dedicated KVM hypervisor embedded within the virtual appliance. This hypervisor creates a secure, isolated clean room environment where recovered systems can be tested without risk of contamination or data leakage. The environment is protected by an internal firewall, ensuring no unauthorised traffic enters or leaves the clean room. This internal clean room enables organisations to verify recovery readiness without involving production infrastructure or third-party systems, dramatically simplifying operational testing and reducing risk.

Cristie Continuous Recovery Assurance - Clean Room Architecture



Continuous Recovery Assurance Automation for RBMR & Rubrik Security Cloud Backups

In version 5.2, the Cristie VA identifies new backups of systems protected by Cristie RBMR and Rubrik Security Cloud and automatically launches recovery processes within the clean room. This provides automated, ongoing assurance that backups are not only available, but recoverable. By validating the latest recovery point as part of routine operations, enterprises gain confidence in their disaster recovery strategy while detecting backup integrity issues early.

Roadmap: Future Enhancements

Cristie is committed to extending the capabilities of Continuous Recovery Assurance over the coming releases:

- External & Cloud Clean Room Support: Deploy clean rooms externally in the customer's own infrastructure or in isolated cloud VPCs/tenants.
- Recovery Throttling & Scheduling: Define rules to trigger recoveries based on backup volume or time intervals.
- Post-Recovery Scripting: Execute automated tasks in the recovered system, such as application health checks, ransomware scans, or forensic actions.
- Grouped Recovery Testing: Simultaneously recover and test groups of related systems for broader service continuity validation.

These enhancements will allow IT teams to tailor their recovery assurance workflows, aligning with operational priorities, compliance frameworks, and security requirements.

Use Cases

- Cybersecurity Readiness: Test recoverability in ransomware-isolated environments.
- Regulatory Compliance: Prove recoverability for audits (e.g., GDPR, HIPAA, DORA).
- Change Management: Validate the impact of infrastructure changes on disaster recovery plans.
- Forensic Analysis: Use recovered images to investigate compromise indicators without touching production data.

Conclusion

Cristie Software's Continuous Recovery Assurance represents a major evolution in business continuity, disaster recovery readiness, and the automation of physical system recovery verification. With the clean room architecture and automated backup validation, IT decision-makers can ensure systems are continuously protected, and provably recoverable.

Cristie Software RBMR Online Resources

Interactive RBMR System Recovery Demo

Cristie Software RBMR Product Page

Technical White Paper: Cristie Rubrik Bare-Metal Recovery (RBMR) for Linux/Unix Hosts