

Whitepaper

Use Case: ETERNUS CS200c for Hyper-V environments

Integrated Backup Appliance Powered by Commvault®
Ideal for backup and archiving in virtual environments



POWERED BY COMMVAULT

The Challenge - Data Backup in Virtual Environments

Today server virtualization is the technology preferred by enterprises when it comes to consolidating IT landscapes, utilizing server systems optimally and making operations more flexible. However, data backup in virtual environments is a huge challenge. Only 30 percent of those enterprises having virtual infrastructures perform backups of their virtual files at regular intervals. The reason is simple: Traditional backup methods are not sufficient for virtual machines. Separate solutions for backing up virtual machines, however, are extremely complex and also make it difficult for enterprises to comply with business and legal directives.

Server virtualization solutions, including Microsoft Hyper-V, are transforming today's IT organizations by offering high consolidation, rapid scalability and deep cost reductions.

ETERNUS CS200c Powered by Commvault removes the data protection roadblocks that can slow your journey to server virtualization and IT as a Service. Every virtual machine goes through a lifecycle across deployment, management, optimization, protection and retirement. Get one solution to manage every phase with ETERNUS CS200c for VM Backup, Recovery & Cloud Management. It helps streamline management of your VM platform with a policy-based approach to ensure no VM goes unprotected, while optimizing VM resource utilization.

ETERNUS CS200c Powered by Commvault – The Complete Solution for Hyper-V

- **Flexible Data Protection:** Right-size data protection methodologies for Hyper-V environments to achieve SLAs with confidence without overspending
- **Hardware Snapshot Management:** IntelliSnap® technology helps accelerate application-aware protection and recovery of VMs
- **Flexible, Cost-Effective Disaster Recovery:** Leverage any tier of infrastructure to bring disaster recovery to every application that needs it
- **CSV Proxy:** Eliminates network traffic for data protection by providing SAN-based backup & recovery for Hyper-V

ETERNUS – Business-Centric Storage

Business values with ETERNUS CS200c in Hyper-V environments

Fast ROI / low TCO

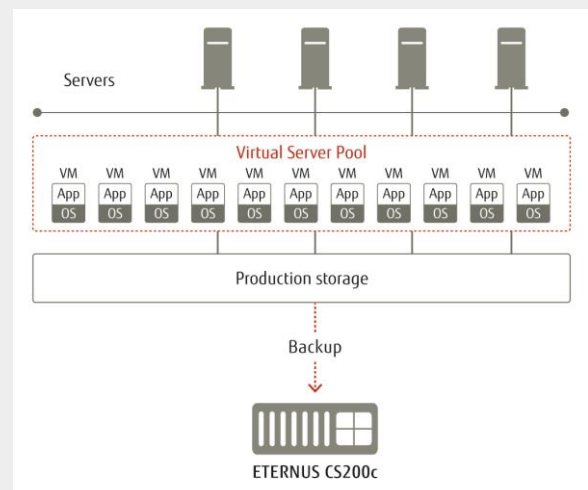
- All-in-one solution reduces evaluation and deployment time
- Virtualize critical applications while meeting optimized data protection SLAs with the snapshot option
- Create rapid-fire, policy-based persistent hardware snapshots delivering near instant recovery of virtual machines

Business continuity

- Performs off-host backups for hundreds of virtual machines to support continuity of operation and disaster recovery
- Streamline operations by automating repetitive or highly complex tasks
- Offload backup from production Hyper-V servers
- Copy data from remote office to central office

Investment protection

- High Scalability
- Capacity upgrades are software licensed depending on the model
- Appliance software options for enterprise demands



More information

ETERNUS CS200c - Scalable Data Protection and Recovery for Microsoft Hyper-V

- Manage data across physical & virtual environments with a single, integrated solution
- Simplified installation and management
- Protect hundreds of VMs in minutes with IntelliSnap® technology
- Enable scalable LAN-free Hyper-V backups leveraging deep integration and a unique proxy approach with full support for VHD and VHDX formats
- Cluster aware protection with full integration for CSV and Live Migration
- Enterprise-class, global deduplication reduces requirements for ETERNUS CS200c storage capacity
- Application integrated protection ensures application consistent protection and rapid application recovery within VMs

ETERNUS CS200c - Disaster Recovery Using second ETERNUS CS200c

- Bring Disaster Recovery to workloads that have never had it before by eliminating the need for identical hardware
- Accelerate Disaster Recovery and testing with automated, replicated VM backups to a second ETERNUS CS200c
- Implement an SLA-focused disaster recovery strategy

ETERNUS CS200c - VM Lifecycle Management

- Provide admin management access for VM provisioning, backup, and recovery with customizable configuration limits, expiration dates, and much more
- Normalize management of virtual machines across multiple VM environments (Hyper-V, VMware) with a web-based portal
- Use workflow automation to eliminate tedious and time-consuming processes
- Achieve operational excellence with custom reporting options that deliver summary, dashboard, and instrumentation level reporting on the entire environment, not just the backups
- Leave no VM unprotected with automated VM discovery
- Facilitate Hyper-V migrations by converting VMs created in VMware to Hyper-V format and vice versa

ETERNUS CS200c – Broad Hyper-V Support Options

- Windows Server 2012, 2012 R2
- Cluster-aware protection for CSV & Live Migration, CSV proxy support for Virtual Server Agent

- For more information please refer to:
 - [Data sheet: ETERNUS CS200c](#)
 - [ETERNUS CS200c on the internet](#)
 - [Commvault Books Online: Virtualization](#)

Main features	Benefits
<ul style="list-style-type: none">■ Ease of install and simple, streamlined manageability	<ul style="list-style-type: none">■ Pre-loaded and pre-configured ETERNUS CS200c delivers rapid installation, simplified management for VM Data Protection, advanced reporting functionality, key event monitoring and alerting
<ul style="list-style-type: none">■ Incremental Forever Backups with DASH Technology	<ul style="list-style-type: none">■ Dramatically reduce the backup time and maximize resource utilization and efficiency by leveraging deduplication-aware replication technology to implement an incremental forever backup strategy
<ul style="list-style-type: none">■ Enhanced Auto Protection & Filtering of Virtual Machines	<ul style="list-style-type: none">■ Guarantee protection for VMs across the enterprise with fully customizable VM discovery, filtering, and catch-all protection policies
<ul style="list-style-type: none">■ Application Aware & Consistent Data Protection	<ul style="list-style-type: none">■ Deep application level awareness ensures virtualized applications have application consistent and rapidly recoverable data protection
<ul style="list-style-type: none">■ Extensive Recovery Options and Granularity	<ul style="list-style-type: none">■ Single interface enables recovery of files, volumes, applications or full VMs from either a snapshot or a deduplicated backup copy