

# Whitepaper

## Use Case: ETERNUS CS200c for VMware 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 VMware, 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 VM 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 VMware

- **Flexible Data Protection:** Right-size data protection methodologies for VMware environments to achieve SLAs with confidence without overspending
- **Instant VM Recovery** with new VM “Live Options”, including Live Browse, Live File Restore, Live VM Restore
- **Cost-Effective Disaster Recovery:** Leverage any tier of infrastructure to bring disaster recovery to every application that needs it
- **Automated VM Archiving:** Helps reclaim resources for redeployment while providing long-term archived VM data retention
- **Accelerated Test/Dev:** Enables management and automated VM retirement to help

### ETERNUS – Business-Centric Storage

#### Business values with ETERNUS CS200c in VMware environments

##### Fast ROI / low TCO

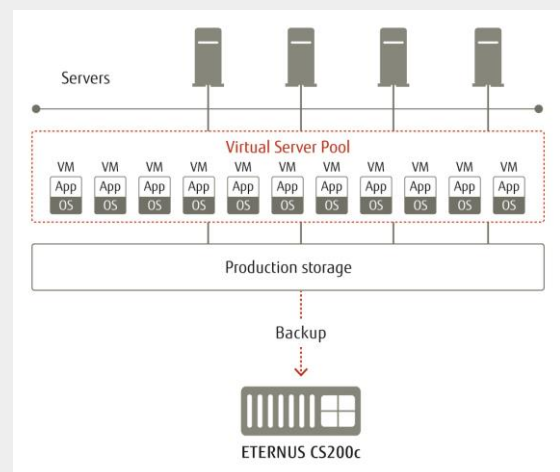
- All-in-one solution reduces evaluation and deployment time
- Virtualize critical applications while meeting optimized data protection SLAs with the snapshot option
- Automated VM Archiving reduces VM sprawl, increases VM platform utilization and ultimately saves money on extra server, storage and networking hardware.

##### Business continuity

- Perform off-host backups for hundreds of virtual machines to support continuity of operation and disaster recovery
- 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 VMware

- Manage data across physical & virtual environments with a single, integrated solution
- Scale to protect thousands of VMs across the enterprise
- Protect hundreds of VMs in minutes with IntelliSnap® technology
- Application integrated protection ensures application consistency and rapid application recovery within VMs including granular recovery for certain applications
- Recover VMs instantly with new "Live Recovery" options, including Live Browse, Live File Restore and Live VM Restore

## 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
- Reduce the complexity of extending workloads using deduplication-aware replicated copies, Virtualize Me technology that leverages the virtual infrastructure on the DR site, and Workflow Automation
- Accelerate Disaster Recovery and testing with automated, replicated VM backups to a second ETERNUS CS200c

## 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
- 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 VMware migrations by converting VMs created in Hyper-V to VMware format and vice versa

## ETERNUS CS200c – Broad VMware Support Options

The following versions are supported for vSphere, vCenter, vCenter Server Appliance, and ESX or ESXi:

- 4.1 or later
- 5.0.x, 5.1.x, 5.5, 5.5.1, 5.5.2, 5.5.3
- 6.0, 6.0.1, 6.0.2

- ⇒ 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"><li>■ Ease of install and simple, streamlined manageability</li></ul>	<ul style="list-style-type: none"><li>■ Pre-loaded and pre-configured ETERNUS CS200c delivers rapid installation, simplified management for VM Data Protection, advanced reporting functionality and key event monitoring and alerting</li></ul>
<ul style="list-style-type: none"><li>■ Embedded Source-Side Deduplication</li></ul>	<ul style="list-style-type: none"><li>■ Reduce backup times and eliminate redundant backup data sets with Commvault's industry leading deduplication technology</li></ul>
<ul style="list-style-type: none"><li>■ Incremental Forever Backups with DASH Technology</li></ul>	<ul style="list-style-type: none"><li>■ Dramatically reduce the backup time and maximize resource utilization and efficiency by leveraging deduplication-aware replication technology to implement an incremental forever backup strategy</li></ul>
<ul style="list-style-type: none"><li>■ Enhanced Auto Protection &amp; Filtering of Virtual Machines</li></ul>	<ul style="list-style-type: none"><li>■ Guarantee protection for VMs across the enterprise with fully customizable VM discovery, filtering, and catch-all protection policies</li></ul>
<ul style="list-style-type: none"><li>■ Application Aware &amp; Consistent Data Protection</li></ul>	<ul style="list-style-type: none"><li>■ Deep application level awareness ensures virtualized applications have application consistent and rapidly recoverable data protection</li></ul>