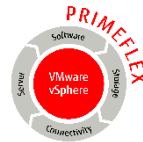


# Whitepaper

## Use Case: ETERNUS CS200c for virtual environments

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



### 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 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 virtual environments

- **Flexible Data Protection:** Right-size data protection methodologies for virtual 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
- **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 virtual environments

##### Digital Business Continuity

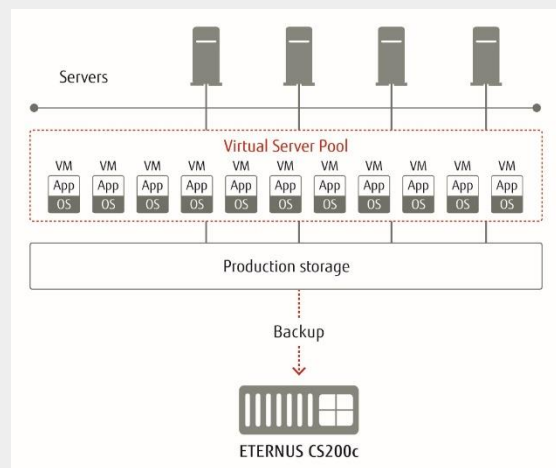
- Replication and built-in encryption ensure your business-critical data is protected and secure against cyberattacks
- Performs off-host backups for hundreds of virtual machines to support continuity of operation and disaster recovery
- Advanced automation minimizes manual failures and data loss

##### Digital Business Efficiency

- Pre-configured, pre-loaded appliance reduces evaluation and deployment efforts
- Optimally concerted, unified building blocks eliminate risk, improves business agility
- Virtualize critical applications while meeting optimized data protection SLAs

##### Digital Business Growth

- Global deduplication lowers data volume by 90%, improves resource usage and reduces overall costs
- Archiving and backup to cloud or tape allow to manage annual data growth more efficiently
- Consolidates critical data protection, compliance and discovery operations in one unified solution



# More information

## ETERNUS CS200c - Scalable Data Protection and Recovery

- 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
- Enterprise-class, global deduplication reduces requirements for ETERNUS CS200c storage capacity
- Recover VMs instantly with “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, 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 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 protection
- Facilitate hypervisor migrations by converting VMs created in e.g. Hyper-V to VMware format and vice versa

## ETERNUS CS200c – Broad Support Options

- The ETERNUS CS200c with Commvault Software supports a broad range of hypervisors. Detailed information about hypervisor support and system requirements see:  
[Commvault Supported Technologies](#)  
[Commvault Books Online – Virtualization – System Requirement](#)

### Useful links

- [Data sheet: ETERNUS CS200c](#)
- [ETERNUS CS200c on the internet](#)
- [PRIMEFLEX for Virtualization 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>■ Extensive Recovery Options and Granularity</li></ul>	<ul style="list-style-type: none"><li>■ Single interface enables recovery of files, volumes, applications or full VMs from either a snapshot or a deduplicated backup copy</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 application consistent and rapidly recoverable data protection for virtualized applications</li></ul>

### Published by

FUJITSU Technology Solutions GmbH  
Mies-van-der-Rohe-Straße 8, 80807 Munich, Germany  
E-mail: [storage-pm@ts.fujitsu.com](mailto:storage-pm@ts.fujitsu.com)  
[www.fujitsu.com/fts/eternus-cs200c](http://www.fujitsu.com/fts/eternus-cs200c)  
2019-05-06 WW-EN

© Copyright 2019 Fujitsu Technology Solutions GmbH, Fujitsu, the Fujitsu logo, are trademarks or registered trademarks of Fujitsu Limited in Japan and other countries. Other company, product and service names may be trademarks or registered trademarks of their respective owners. Technical data subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.