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Central storage solution that moves mountains (of data)

Fujitsu Storage
ETERNUS CS8000

Extremely resilient backup and archiving in a hybrid world

Complex, expensive, time-consuming, slow, error-prone: Backup and archiving are rather unpopular IT routines. But there are absolutely necessary to be prepared for unplanned downtime, skyrocketing cyberattacks, data sprawl and more in a data-driven hybrid world. In light of the ongoing and rapid pace of digitalization in business processes, more and more IT managers realize that existing backup infrastructures are no longer suited for ever-changing data center requirements.

Fujitsu Storage ETERNUS CS8000 can optimize your backup and archiving to meet the challenges posed by digital business.

How to protect data in the digital age – a never ending challenge?

Data is very valuable – it is the "new gold" in the digital world. And this precious resource is growing exponentially in business enterprises. Those conducting backups in the terabyte and petabyte ranges are already reaching their capacity limits. The job requires more personnel than ever before, and infrastructure costs are skyrocketing.

But what are IT departments to do? Digital businesses cannot afford to live with limited data availability, whether it be for just hours or even days.

Considering this data explosion and data sprawl, it is incredibly difficult to implement an efficient backup, as well as a mid-term to long-term storage strategy for object data, file data and the archive without adding to complexity.

Benefit from Fujitsu storage solutions

Based on user-driven development, the ETERNUS CS8000 is the most reliable central repository for backup, archive, second tier and object data, reducing TCO by up to 60% in complex environments. The solution makes it easy to keep backup and archiving speed, capacity, and cost in balance.

The appliance combined with leading partner technologies safeguards data integrity, enables rapid recovery after downtime, and protects sensitive data from threat, corruption, or loss across your Hybrid IT estate.

The ETERNUS CS8000 ensures that the right data service levels are delivered to provide 24/7 business continuity, prevents cyber-crime and ensures GDPR compliance from on-premises to the cloud.

Master any challenge to get highest data resiliency with one stroke

Liberate your data from the limitations of classic infrastructures. Virtualize your backup infrastructures. Automate your processes for the entire data life cycle. And scale performance, capacity and functionality on demand to meet ever-changing requirements. Fujitsu Storage ETERNUS CS8000 is a unique solution that enables you to do all of this. It has been continuously developed for many years, always taking into account the best practices from IT operations.

The long-lasting, user-driven development have made ETERNUS CS8000 the most reliable central repository for backup, archive, second-tier and object data. No matter how high the mountain of data in your business is, or how dynamically your requirements change in the future. You can move mountains (of data) with ETERNUS CS8000 for backup and archiving.

Extremely fast and flexible, extremely reliable and economical.

Abundant backup and archiving resources – one system for **all data**

ETERNUS CS8000 separates data management from the backup and archiving software and provides a resource pool for mainframe, open system and object storage. This takes the complexity out of data protection infrastructures. Backup and archiving applications can now do what they do best: Making backup copies and sending them to the backup target system. ETERNUS CS8000 supports all typical mainframes, backup and archiving software solutions –

it has multi-client capability and ensures complete freedom of choice in the backend. Backups to disk with 150 TB/h, backups with 100% tape performance by copy to tape: ETERNUS CS8000 does all of this faster, easier and more economically. Furthermore, **ETERNUS CS8000 reduces the TCO in complex backup environments by 60%.** In the future you will not have to worry about backup and archiving processes any longer – even when deploying new platforms.

Infrastructure virtualization

Intelligent automation

Unique scalability

Reduce complexity, simplify operations

Reduce TCO

Make backup and archiving future-proof

Optimize once, benefit for ever

One solution to protect your data in Hybrid IT.

Real-life examples: facts and figures

Financial services:
80% fewer tape drives, EUR 1.4 million in savings.

Tax authority:
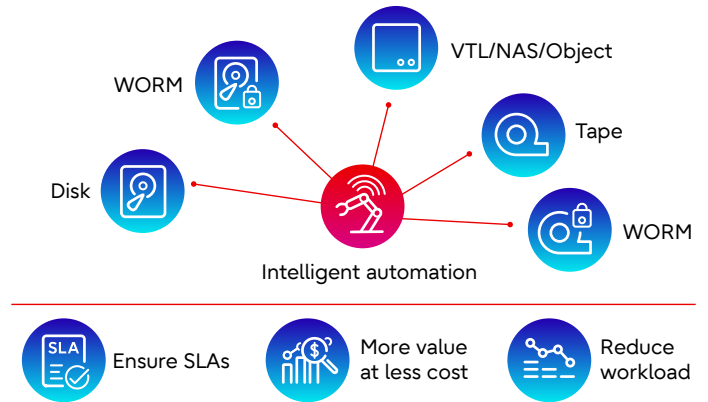Backup environment costs reduced by 60%.

IT services:
ROI within 18 months.

Better long-term performance – intelligent automation

Managing multi-layer backup environments and diverse SLAs is an enormously arduous task. ETERNUS CS8000 takes care of these matters for you. The solution can be implemented as a target system or can process data with high performance before being written to media such as tapes. ETERNUS CS8000 provides the optimal media mix in terms of capacity, performance and costs for SSD, disk, tapes and WORM. It takes care of the copy policies, including local and remote copies in replication and DR scenarios. Automatic media migration allows users to profit from the benefits of the latest technologies at all times. Independent quality assurance and self-healing for tapes makes media management much easier than ever before. Information Lifecycle Management (ILM) for all of your data lets you offer highly efficient near-zero downtime operations and flexible service levels – without any stress or hassles. Everything is automatic.

WORM
VTL/NAS/Object
Disk
Tape
WORM
Intelligent automation

Ensure SLAs More value at less cost Reduce workload

Real-life examples: facts and figures

Financial services:
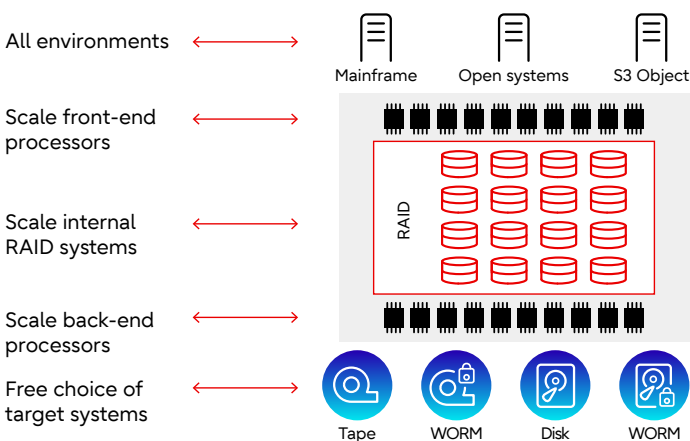Many simultaneous backup processes, automated cross-media mix.

Engineering:
100 backups simultaneously, administration cut by half.

Insurance:
13 hours of administration reduced to just 1 hour.

Be flexible and agile – unique scalability

All environments
Scale front-end processors
Scale internal RAID systems
Scale back-end processors
Free choice of target systems

Mainframe Open systems S3 Object

RAID

Tape WORM Disk WORM

ETERNUS CS8000 supports on-demand scalability of performance, capacity and functionality that leads to ongoing cost reduction. The modular grid architecture provides maximum freedom and offers remarkable latitude for frontend and backend processors, or the internal grid with high-performance RAID systems. Besides the high scalability of the internal disk and flash storage, connectable tape libraries providing many exabytes of data can be managed transparently for the operating systems. As you can see, no matter how your business requirements change, ETERNUS CS8000 can take on every challenge!

Real-life examples: facts and figures

Airline:
Gradual consolidation and flexible scalability of capacity and performance.

Insurance:
Quadrupled data throughput.

Financial services:
Twice the backup speed simply through an expanded disk cache.

ETERNUS CS8000 ensures business continuity and data resilience:
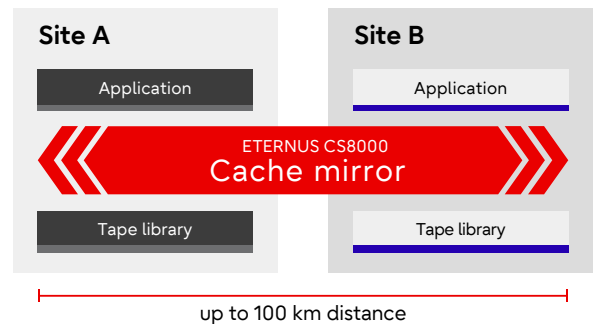
- High performance appliance consolidates backup and archive infrastructure and cut cost.
- Secure data protection and automated disaster recovery safeguards 24/7 business continuity.
- Mitigate risk, minimize downtime, and protect businesses against outages and cyberattacks.
- Transform IT landscape into an enabler for digital business growth, efficiency, and continuity.

ETERNUS CS8000 combines virtualization, automation and extraordinary scalability and resiliency in one modular architecture for backup and archiving!

Be ready for anything – the world's only split-site solution

ETERNUS CS8000 is the only solution worldwide that supports the distribution of one system across two separate geographic sites. This split-site configuration features a cache mirror. The automatic backup of all data is ensured at two sites located up to 100 km from each other. If there is a failure at one site, the workload is routed to the second site – the applications are not affected in any way. Thus, even during a disaster, business processes continue to run smoothly – and there is no need for manual intervention! This concept does not have a single point of failure, thus giving you an extremely efficient and economical solution for 24x7 non-stop protection of your mission-critical data.

Site A		Site B
Application		Application
ETERNUS CS8000 **Cache mirror**		
Tape library		Tape library

up to 100 km distance

Real-life examples: facts and figures

Tax authority:
Optimal availability for citizens, businesses and internal users.

Insurance:
Disaster protection for backup and archive data.

Statutory pension insurance:
Secure digital archiving of important data such as policyholders' pension files.

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For more information visit: **www.fujitsu.com/eternus-cs8000**