FUJITSU

Resilient Data Platforms: The key value for your IT

ETERNUS Primary Storage Family

Going beyond the limits

In the years ahead three factors will have an enormous impact on storage environments:

- Digital Business Growth: The real-time availability of data is expected to skyrocket. Storage systems will be required to reliably provide constantly growing data volumes with minimum latency.
- Digital Business Continuity: Analysts forecast that the share of critical or hyper-critical data will increase dramatically. Storage will have to ensure uninterrupted access to huge quantities of data.
- Digital Business Efficiency: Explosive data growth in the zettabyte range will outpace the provisioning of storage system capacities at an alarming rate. In the future, storage solutions with smart data efficiency functions will be needed to help organize storage systems and make the right data available at the right time as required.

You can overcome all of these challenges with the ETERNUS Primary Storage Family!

Learn more about ETERNUS Storage:
www.fujitsu.com/eternus

Key Values of the ETERNUS Primary Storage Family

- Seamless family architecture
- Optimized for peak performance
- Intelligent data management
- Always available and solidly reliable
- Simplified storage operations

"Going live could have taken us upwards of six months but, thanks to the Fujitsu Storage ETERNUS AF250 replication, we brought that down to just ten weeks and made the entire transition much easier to handle."

Paul Bentley, IT Manager, Laltex

Seamless family architecture

No matter how your digital business develops: With the ETERNUS Primary Storage Family you will no longer need to worry about performance, capacity and availability. The family comprising ETERNUS DX hybrid storage systems and ETERNUS AF all-flash systems provides extreme scalability within one system, along with easy upgrade options from model to model. Unified administration via one management platform – ETERNUS SF – underpins the solid investment protection. ETERNUS SF offers storage administrators the same usability for all operational workflows throughout the ETERNUS AF/DX family, from entry-level systems up to the high-end models. Operation is intuitive via the web GUI, and useful wizards comprehensively support configuration, operation and troubleshooting,powerful and easy to use performance monitoring features, thus drastically reducing the administrative workload. Additionally, Fujitsu Infrastructure Manager simplifies IT operations by offering unified management across server, ETERNUS storage and networking using a single interface.

- Highest level of investment protection
- Extreme scalability and easy upgrades
- Maximum system interoperability

"The new Fujitsu ETERNUS all-flash storage cluster has transformed our application and database performance and allowed us to extend that performance to multiple partners within the valley."

J. Visser, IT Manager, City of Veenendaal

Optimized for peak performance

Fujitsu has been developing the ETERNUS portfolio for many years – without making any compromises when it comes to satisfying the highest performance and quality requirements. And that translates into high value for our customers. The ETERNUS Primary Storage Family is based on an award-winning performance architecture that delivers the fastest response times even under extreme workloads. That puts you in a good position: ETERNUS offers you the best solution for every kind of business requirement – such as ultra-fast response times with all-flash performance or the optimal balance between costs and speed through the flexible combination of SSDs, SAS and nearline SAS in one system.

- Long history of dependable performance – consistent SPC-1 test results
- Effective balancing of flexibility, costs and speed
- Reliable fulfillment of service levels

"We needed a powerful, high-capacity storage system that also provided good value for money. That's why we chose the Fujitsu Storage ETERNUS DX600."

Jörn Westermann,
Head of Cloud & Infrastructure, noris network AG

Intelligent data management

The challenges of data growth are many and varied, which is why accessing, managing, and storing data intelligently can help reduce storage costs and harness valuable data. ETERNUS Primary Storage makes use of hardware-accelerated compression technology for greater data efficiency without negatively impacting performance. Offloading the compression and/or deduplication process to the Storage Acceleration Engine (SAE) results in hardware-accelerated compression/deduplication that is much faster than conventional data reduction technologies. What's more, data reduction technologies with flexible setting options allow for the precise usage of data deduplication and compression.

"The smooth and uncomplicated way in which the conversion to the Fujitsu Storage ETERNUS all-flash systems was carried out – without a moment of downtime – really set this solution apart."

Jan-Peter Raichle, IT Team Leader, pelzGROUP

Always available and solidly reliable

The ETERNUS Primary Storage Family supports nonstop operations very efficiently. It features best-in-class continuity management, including native replication, mirroring and transparent failover (manual or automatic). Mission-critical data is mirrored automatically in an ETERNUS Storage Cluster and can be executed in both directions and between different models or generations, as well as between all-flash and hybrid. What's more, the high interoperability of the ETERNUS AF/DX systems enables very smooth migrations (offline and online) from an old system to a new one. For example, with the unique online storage migration, you can migrate seamlessly without interrupting ongoing operations – and from ETERNUS DX to AF models as well.

- Most flexible and efficient disaster recovery options
- 100% data insurance – nonstop business continuity
- Seamless and efficient data migration

"Fujitsu has helped us modernize and optimize our storage infrastructure. Thanks to the ETERNUS storage cluster, we are able to provide a highly available infrastructure for our IT services."

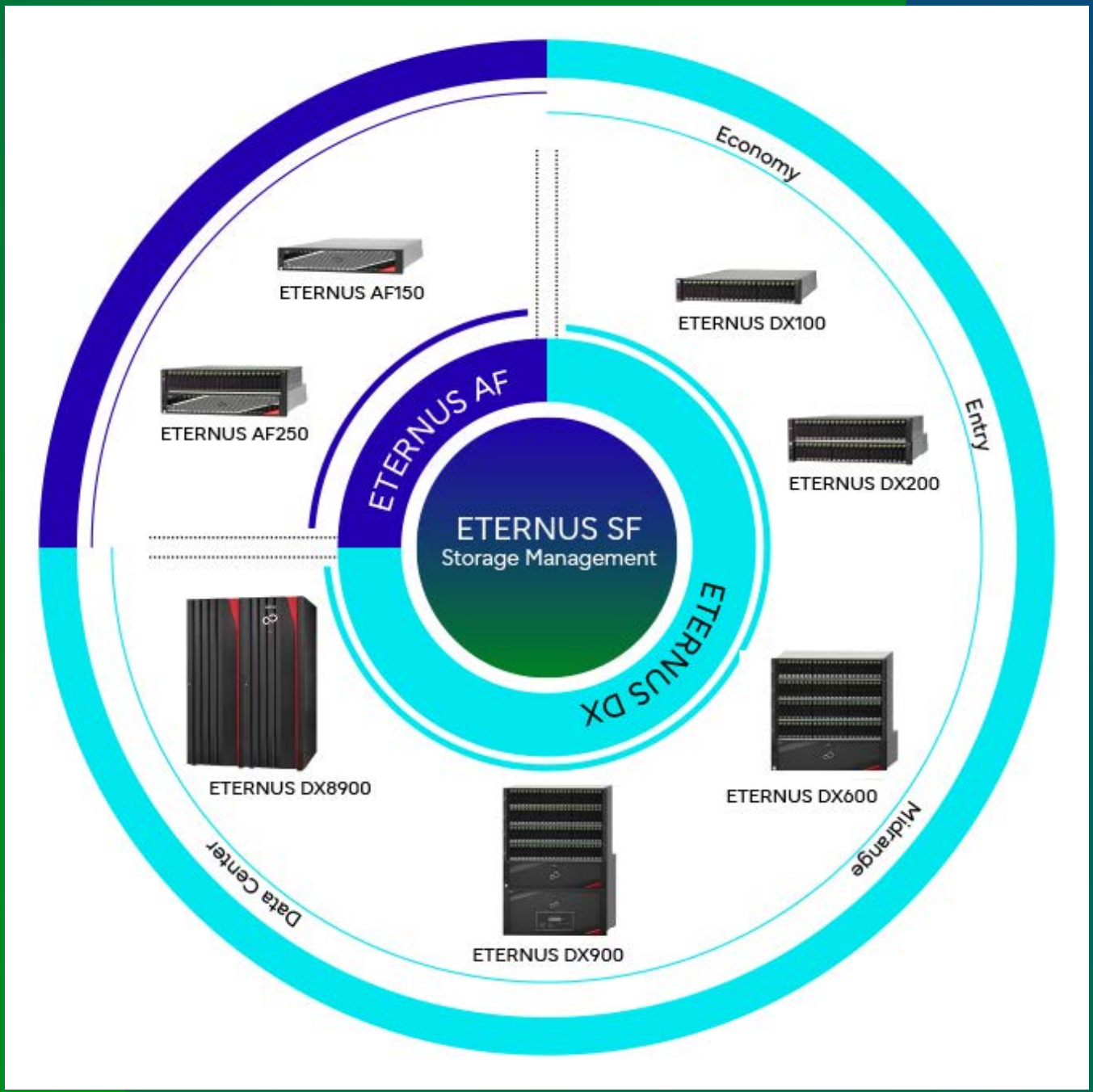
Thomas Reichssöllner,
Head of Information and Communication Technology,
Tauern Medical Center

Simplified storage operations

ETERNUS SF makes it easy to get the best out of the ETERNUS Primary Storage Family. Automated Quality of Services enables you to set up a flexible tier pool. Just set the performance priority you want for each application – and that's all you need to do! ETERNUS SF automatically monitors compliance with the settings and adjusts performance as necessary. Automated Storage Tiering (AST) refers to the ability of the storage array to move chunks of data between different disk types and RAID levels to strike the right balance between performance and space utilization, thus avoiding so-called hot spots. Frequently accessed data can be moved to high-speed drives such as SSDs, whereas data which is accessed less frequently can be shifted to cost-effective disks with large capacities. Automated Quality of Service (Automated QoS) ensures that specific applications are always allocated a predefined performance level. Adjusting the bandwidth and automatic tuning of the I/O performance makes sure that the required response time per application will be achieved. Combining both optimization features helps administrators balance performance, capacity and cost while coping with peak loads – all it takes is just a few mouse clicks!

- Better service quality with less stress
- Capacity savings with minimal performance compromises
- Minimal operational effort

We are family –
ETERNUS AF and ETERNUS DX



Learn more about ETERNUS Storage: **www.fujitsu.com/eternus**

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