Business-centric Storage
FUJITSU Hyperscale Storage System ETERNUS CD10000

shaping tomorrow with you

FUJITSU

Clear the way for new business opportunities.
Unlock the power of data.

Overcoming storage limitations

Unpredictable data growth poses great challenges and has been a key issue among IT managers for many years now. And this is not expected to change in the near future. Developments such as cloud services, mobility, big data and analytics, social networking and specialized Internet offerings are already revolutionizing almost every aspect of business and daily life. When it comes to storage, an avalanche of data is rolling toward today's data centers – and they must take steps now in order to cope with such huge masses of data.

Data centers and experts must determine what kind of massively scalable infrastructure is capable of responding flexibly to data growth. Cloud services providers, for example, have already been facing this challenge for several years. Experience with such data-intensive environments shows that whenever huge data volumes are required in the petabyte range with linearly scalable performance, conventional storage architectures quickly reach their limitations. In such cases the following challenges must be overcome:

- Time-consuming, risky RAID rebuilds
- Exploding costs for high-availability
- Over- or under-provisioning due to unpredictable data growth
- Extremely time-consuming data migrations
- Major problems with (planned) downtime
- High costs per gigabyte
- Performance issues

Setting the foundation for sustainable future business

Today scale-out solutions are available based on clusters with RAID systems, and they are indeed capable of alleviating a number of problems – but they are still not an adequate response to several challenges. RAID rebuilds represent one typical issue – they are time-consuming and risky. Another problem is performance that is not scaled linearly – it reaches a saturation limit through central data distribution mechanisms. Furthermore, the gain in capacity is associated with very high costs. Those are all good reasons why you should consider alternative storage strategies that will provide a solid foundation for your business well into the future.

Data center platform technologies like cloud services, mobility, big data and analytics, social networking and specialized Internet offerings are driving data growth to unimagined heights – and will continue to do so in the years ahead. The only way to cope with this development is through high-capacity storage infrastructures delivering performance that can be linearly scaled.