



Deutsche Post AG

Client's business

The Deutsche Post and DHL corporate brands offer a one-of-a-kind portfolio of logistics and communications services. The Group provides its customers with both easy to use standardized products as well as innovative and tailored solutions ranging from dialog marketing to industrial supply chains. About 470,000 employees in more than 200 countries and territories form a global network focused on service, quality and sustainability. With programs in the areas of climate protection, disaster relief and education, the Group is committed to social responsibility.

The E-Postbrief product launched in July 2010 and provides a secure, confidential and reliable platform for electronic communication. It can be used for everything from personalized customer communication to bulk mailing. E-Postbrief allows companies, public authorities and private individuals not only to meet high security standards but also to reduce processing costs.

The so called hybrid e-mail as a special service, in which the "E-Postbrief" Emails will be printed to paper and shipped to the addressee as a letter.

For example, this can be done for corporate communications such as invoices

Client's pain point

DPAG needed to modernize and extent the current storage capacity which was based on a SAN Volume Controller SVC with different kind of DS4000 and DS8000 storage systems in the backend. Target was to find a least complex easy to administer solution.

The new solution has to be capable to react very flexible to erratic growth because the kind of operation needs to be able to work with very volatile storage demands. The TCO for the new solution has to be lowered compared to the old one. A storage management tool has to be offered for monitoring, reporting and bottleneck analysis. It was also demanded that the new solution has to be implemented without downtime .

DPAG has used BVQ from SVA GmbH in the existing SVC environment to exactly figure out, which mix of storage tiers would be the most cost effective one. These gathered BVQ results have been used in the RFP to describe which storage qualities have to be offered.

Description of Solution

The project requirements have been solved with one IBM Storwize V7000 which is in itself redundant and therefore a technically equivalent replacement for the SVC solution with the historically grown DS8000 and DS4000 storage systems.

This solution needs less SAN ports and less storage boxes which reduces complexity as requested.

The V7000 is equipped with different storage Tiers:

Tier 1 (high performance)

Hybrid storage pool disks and SSD

Automated storage tiering with IBM Easy Tier

137 terabytes with 900GB SAS disks

1.4 terabytes with 200GB SSD

Tier 2 (High Capacitive)

437 terabytes with 3TB hard drives

The data migration was carried out by the V7000 and in the background without interruption. The changeover to the new systems was conducted with a free predictable server reboot.

The licensing of the existing BVQ installation was upgraded to the new capacity so the capacity and performance management layer could remain the same.

BVQ existing licenses were extended to the new capacities and are also available now for the new solution for analyzing and monitoring available

Benefits

Many advantages resulted from the close relationship of the new V7000 storage with the SVC which was replaced. There was no necessity to change servers settings and further administrative training could also be avoided.

Due to the very conscientious planning, the new storage system was precisely tailored to the requirements of the customer. This was reflected in low purchase and running costs.

Advantages are:

- High availability with internal redundant Storwize V7000 Storage
- Best of breed capacity and performance monitoring and bottleneck analysis solution with BVQ from SVA GmbH
- Storage classes fit perfectly to business needs in sense of capacity and performance
- Space and power savings because less disks and systems are needed
- Compatibility between storage and servers remained unchanged
- No changes in SAN Environment, less SAN Ports needed
- No change in storage management and storage monitoring software