



Orange Slovensko ensures the safety of internal user data

HPE StoreEasy frees leading telecom operator to focus on business, not file storage

Objective

Implement a backup solution for internal data

Approach

Considered storage solutions from three vendors, with the main criteria being cost per GB

IT Matters

- Provides an optimised solution with pre-configured hardware and operating system tailored for file storage
- Enables ease-of-management with an intuitive dashboard
- Increases capacity with dense footprint and speeds up RAID rebuilds

Business Matters

- Ensures the safety of internal data from 1,600 employee devices
- Frees staff from the routine of manual backups
- Provides a cost-effective solution in line with corporate budgets



Leading Slavic mobile operator, Orange Slovensko, needed an economic and easy-to-manage backup solution for internal data generated by its employees' personal computing systems. HPE StoreEasy was Orange's preferred solution for consolidating internal backups because it was a good fit for the company's needs and delivered the best price-performance ratio.

Challenge

Need to backup internal data

Because of the nature of their business, telecommunications operators need to store huge amounts of data, ranging from customer files to billing databases and business information. Orange Slovensko has more than 2PB of storage capacity deployed on multiple HPE 3PAR StoreServ storage arrays, as well as other storage solutions. However it was the internal backup of staff desktop and laptop machines that was causing problems. The company was struggling to find disk space for end-user data and was challenged by a limited budget for a new solution.

“We decided to buy HPE StoreEasy because it offered the best price/performance ratio.”

– Vladimir Fančovič, infrastructure operations manager, Orange Slovensko

With 1,100 employees and around 2.3 million customers, Orange Slovensko is Slovakia's leading provider of mobile telecom services and in No.2 for fixed line services. Established in 1997 under the name Globtel, it was the first mobile operator in Slovakia to operate a GSM digital mobile network on the 900 MHz frequency. The company launched its 1800 MHz commercial mobile network in 1999 and it became was the first operator to cover more than 66% of the country with 3G high-speed internet. Its network now covers 99% of the population. Since 2002, it has been part of French company Orange, one of the world's leading telecom operators, with 2016 sales reaching of €40.9 billion. With 154,000 employees worldwide and a presence in 29 countries, the company has a total global customer base of 265 million.

Orange Slovensko currently runs three main datacentres and several smaller technology facilities around the country, but is consolidating this landscape into two datacentres on separate sites. It has strong virtualisation adoption, with 80% of their servers virtualised with VMware.

“We needed a cost-effective and reliable storage solution to back up the PCs and notebooks used by people in our office. This was in case of hardware failure, theft or loss of devices and the corruption of data,” says Vladimir Fančovič, infrastructure operations manager, Orange Slovensko.

“We decided to use a Microsoft Data Protection Manager (DPM) software solution to back up the data and we evaluated different storage solutions from three vendors, especially from the price and performance perspective. We didn't want to just buy cheap storage, but wanted a solid system that is easy to maintain and gives very good support and security – in fact, everything that you need around storage.”

DPM provides near-continuous data protection and data recovery in a Microsoft Windows environment. It is part of the Microsoft System Center family of products and can provide backup and recovery for Microsoft applications, Windows PCs and Hyper-V virtual machines. It uses Shadow Copy technology for continuous backups. Because StoreEasy runs Windows Storage Server operating system, it integrates seamlessly with Data Protection Manager and Microsoft System Center and provides IT staff with a consistent, familiar management experience. This combination also enables users to run the DPM software on StoreEasy directly, reducing complexity and footprint.



Solution

Tailored for file storage

After evaluating their options and offerings from other vendors, Orange Slovensko decided that HPE StoreEasy 1650 Storage best fit its needs. Having been an HPE customer for over 20 years and with 80% of its IT infrastructure being HPE, it remains one of its preferred vendors for storage. When comparing the cost-per-GB for upgrading existing storage, as well as comparing StoreEasy with two other major storage vendor solutions, the price and performance provided by StoreEasy was the ideal solution for Orange Slovensko and their internal file data.

Designed to facilitate easy-to-manage and affordable file and application storage, HPE StoreEasy 1000 network-attached storage (NAS) appliances provide a secure, centralized space for employees and teams of small and mid-size businesses and distributed organisations to store and share files collaboratively.

Now running on HPE ProLiant Gen 9 technology, HPE StoreEasy is designed to help businesses get the most out of their capacity, spend less time managing storage, affordably and densely scale capacity as they grow and protect data with multidimensional security and encryption.

Internal analysis by HPE has revealed that overall, the 5th generation of StoreEasy provides 211% more capacity at 21% lower cost per GB, with RAID rebuilds 25 times quicker for write operations and nine-times quicker for read operations.

StoreEasy is an optimized solution that is tailored for file storage with pre-configured hardware and operating system, and has an installation wizard for easy, fast deployment. Its dashboard simplifies day-to-day operations with health, performance and capacity monitoring and management.

HPE StoreEasy has the capacity to support tens of thousands of concurrent users with diverse workloads and, uses de-duplication and compression for an average capacity savings of 50%. Built-in encryption also ensures data security while at rest and in flight, while self-healing features can automate most repairs non-disruptively.

Benefit

Essential data protection

Starting at 50TB of capacity, with the option to scale up to 120TB in a 2U footprint, StoreEasy is used to backup data from 1,600 employee devices.

Customer at a glance

Hardware

- HPE StoreEasy 1650

“We are very satisfied with HPE StoreEasy and with the other storage products that we have bought from HPE. We have been using them for a long time and our association with HPE will continue.”

– Vladimir Fančovič, infrastructure operations manager, Orange Slovensko

“StoreEasy covers the whole infrastructure and all Orange branches in Slovakia. There is no limit,” adds Fančovič. “It’s only used to back up internal devices and the only application that is running with it is Microsoft Data Protection Manager backup, so it’s just a one purpose device.

“From the users’ perspective, the main advantage is that their data is now secured so they don’t have to do backups manually nor remember when to repeat backups. It’s now automated, running in the background, and they don’t need to think about it. Everything runs seamlessly without their input.

“It’s about data protection, and if something goes wrong and we lose data we will be able to restore it very easily and very quickly.

“Also, very important for us was the fact that the product came from HPE because we have a long history with them. We know the products. We know the people and we know the support. We know that HPE provides very good support and this was very important for us. We also know that if we chose storage from HPE it will be delivered and installed on time with no problems and no complications.”

Underlining their confidence in HPE storage, Orange Slovensko is currently working on an upgrade to its 3PAR landscape and will continue to use HPE for multi-vendor support.

Learn more at
[**hpe.com/storage/StoreEasy**](https://hpe.com/storage/StoreEasy)



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