Transportation Company Accelerates Backup Performance with DR365V

ORGANIZATION

The client is a private transportation company in the UK and has been operational since 2014. The company facilitates more than 50,000 journeys by trains, busses and taxis every day.

INDUSTRY

Transportation

Challenges

With their digitally transformed infrastructure, the company caters to the day-to-day needs of their customers with services such as online booking, scheduling, and real-time updates. However, this process is data intensive and the need for performance, high availability and storage capacity grows with the increase in customer traffic.

In a digital landscape constantly threatened by ransomware and hackers, the transportation company was looking for turnkey solution that supported the increasing need for insights and analytics in a ransomware-proof environment. Furthermore, as a 24/7 service provider for thousands of customers, downtime was not an option for them.

veeam

"We needed to make sure that our online systems were always available to our customers without downtime or disruption. Our customers rely on real-time information to plan their journeys and we couldn't allow ransomware to interrupt that"

In addition to reliable ransomware protection, the company was also looking to automate routine backup tasks so that they could offload management overhead, optimize daily processes, reduce the chances of human error, and improve overall productivity.

Solution

The company's previous IT infrastructure mixed and matched popular hardware, and backup software to support their storage, and backup and disaster recovery (DR) needs. In order to simplify their architecture and digitally transform it, they reached out to StoneFly.

Our experts suggested StoneFly's Veeam-ready backup and DR appliance (DR365V).

StoneFly DR365V combines ransomware protection features such as automated air-gapping, immutable Write-Once Read-Many (WORM) volumes, snapshots, encryption, and anti-ransomware, with scalable and high-performance SAN, NAS, and S3 storage – in a turnkey data center in a box solution.

With the DR365V, the company can:

- Set up automated backups that follow the 3-2-1 backup strategy
- Store critical backups, snapshots, replicas, and sensitive information in air-gapped and immutable storage volumes
- Schedule hourly/daily/weekly snapshots with customized retention periods
- Plan and test backup and DR in virtual sandbox environment

Challenges

The transportation company wanted to upgrade their existing IT infrastructure with a ransomware-proof automated backup and DR solution that could support growing performance needs and host data analytics in a highly available system.

Solution

StoneFly Veeam-ready backup and DR (DR365V) appliance with automated air-gapping and immutability, and optional SAN, NAS, and S3 storage and integrated data services.

The Results

- Accelerated backup performance with built-in NVMe SSDs and high performance processor(s)
- Automated air-gapping and immutability for advanced ransomware protection
- Faster data recovery capabilities with direct VM spin up
- Reliable data protection that follows the 3-2-1 backup rule

The Results

Accelerated Backup Performance

With NVMe SSDs and high-performance processor(s), the DR365V enables the company to reduce backup windows. As the Veeam backup software is hosted on DR365V, the backup and DR processes do not impact the day-to-day operations.

The DR356V enabled the company to achieve accelerated backup performance. The company was able to successfully back up their mission-critical data and ensure high availability for thousands of their customers without impacting the day-to-day operations of their transportation service.

About StoneFly, Inc.

StoneFly Inc., was founded to deliver upon the vision of simple and affordable storage optimization and disaster recovery protection through IP SAN solutions. StoneFly is a leading manufacturer of high-performance network-attached storage (NAS), storage area networks (SAN) – iSCSI systems, hyperconverged systems, and RAID systems. StoneFly's range of enterprise products also includes cloud storage solutions, cloud storage gateway solutions, and data migration services for enterprise workloads.

Reduced Backup Management – Free IT Staff

By scheduling backups, snapshots, and replication jobs, the transportation company was able to free IT staff so that they could focus on the core business operations.

"With automation we were able to reduce the time it takes to monitor and manage our backup systems"

Reliable Protection from Ransomware

In addition to automated backups, the DR365V also automates air-gapping and immutability, which makes sure backups, snapshots, replicas, and sensitive information is protected from ransomware and is safe from human error as well.

With the optional cloud support, the transportation company can choose to store backup copies in air-gapped and immutable cloud storage volumes. This in turn introduces additional layers of data protection without compromising performance.

Faster Data Recovery with Direct VM Spin Ups

In the event of a disaster, the DR365V enables the company to directly spin up critical VMs on the appliance reducing recovery time objectives to near-zero.

Furthermore, Veeam software and the integrated optional cloud also facilitates direct restore to cloud ensuring business continuity even if the production infrastructure is unavailable.

Looking for Automated Backups?
Contact Us Today!

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