

Bunnik Tours

Bunnik Tours leverages QNAP NAS to support their VMware Infrastructure



Bunnik Tours is a travel company based in Adelaide, Australia, which specializes in holiday packages and small group tours. They offer a variety of tours with over 360 scheduled departures throughout Asia, Europe, the Middle East, Africa and the Americas. As an award-winning travel agency, Bunnik Tours aims at creating a “better way of touring” for Australians to explore the world.

Challenge

Prior to adopting the QNAP TES-3085U, Bunnik Tours used aTS-1263U and TS-1280U as host servers to run VMware applications.

However, as Bunnik Tours expanded their in-house team and tour services to customers, they realized that their solution was becoming uneconomical and inflexible in terms of speed, stability and availability, and gradually became insufficient for hosting their VMware-based IT Infrastructure. They also experienced an unexpected disk failure and suffered a corrupted RAID. This accident caused their host operating system to shut down, which caused a business interruption. Therefore, Bunnik Tours decided to fully implement an enterprise-grade NAS solution with full capabilities for virtualization and storage applications.

Solution

To meet these challenges, Bunnik Tours deployed two QNAP TES-3085U enterprise-class NAS. Powered by an Intel® Xeon® D processor, the TES-3085U delivers outstanding performance for data transmission and mission-critical applications. The model features dual OS options system inside a single NAS – either the FreeBSD-based QES or Linux-based QTS. Taking their needs into consideration, Bunnik Tours chose the QES operating system, as it supports the enterprise-level ZFS file system for maximized business continuity.

Industry

Tourism / Retail

Company/Institute

Bunnik Tours

Location

Adelaide, Australia

QNAP Model

TES-3085U

Business Challenge

Bunnik Tours searched for a reliable NAS solution to speed up their VMware virtualization environments and avoid data corruption

The Solution

Deploy two TES-3085U units to host their VMware environments.



Business Benefit

1. Efficiency increased at least 25%
2. Productivity increased by 20%
3. Datastore latency appeared to have lowered.

ZFS empowers a speedy all-flash storage solution

ZFS is a combined file system and logical volume manager which supports various advanced functions for high-end enterprise storage (for example, a high-performance SSD cache). Bunnik Tours chose an uncompromising all-SSD deployment for both their TES-3085U units to get the highest possible speed and lowest possible latency.

Built-in 10GbE connectivity to full support iSCSI

The TES-3085U comes with two built-in 10GbE SFP+ ports. 10GbE connectivity can greatly speed up iSCSI network transfer for virtual machine storage. Bunnik Tours stores their iSCSI LUNs on ZFS-based RAID 6 storage pools. With the aid of 10GbE network connections, they have experienced a notable increase in data storage speeds. They have also benefited from accelerated file access speeds.

Comprehensive data backup & recovery solution with NAKIVO

Bunnik Tours use NAKIVO Backup & Replication to back up their on-site and off-site virtual machines, with their previous QNAP NAS devices as backup targets. By deploying the NAKIVO solution on the TES-3085U, they can run backups, replications and recovery at the same time, instead of running the jobs separately. This advantage saves lots of time and effort for Bunnik Tours' IT staff.

Benefit

Thanks to the reliable and dependable TES-3085U NAS solution for VMware® applications, Bunnik Tours now can focus all of their energies on customer and business needs.

After suffering business impacts due to storage failures and low-speed data storage, Bunnik Tours finally has a trusted NAS storage and disaster recovery solution in place to host their VMware environments. Virtualization applications are now running faster than ever and Bunnik Tours are extremely satisfied with the TES-3085U's overall system performance.

"Configuring these NAS devices and copying the Virtual Machine to them reached speeds of 1GB/s, we have never seen this," said Edwin van Ree, an IT consultant of Bunnik Tours.

"Accessing my images files with Adobe Lightroom has dramatically increased and improved our efficiency at least 25%" said Dennis Bunnik, the Director of Bunnik Tours.

