

Diana Unicharm JSC Adopts Infortrend EonStor DS 3000 Systems for Critical Web Applications

Organization

Diana Unicharm JSC

Challenge

- Performance and budget pressures.
- Rapid growth of data
- Inefficient data protection

Solution

Infortrend EonStor DS 3016RT and DS 3012G with Automated Storage Tiering and Remote Replication.

- Using 8 SAS SSDs, 8 SAS hard drives, and enabling Automated Storage Tiering in DS 3016RT production storage to greatly optimize performance and investment
- DS 3016RT supports 16 drives and up to 436 drives after expansion to meet the needs of future data growth
- Advanced Remote Replication features to backup from DS 3016RT to DS 3012G and meet the demands of critical database and web applications protection

“Over the years of using Infortrend SAN storage - DS 3000 series (DS 3012RE, DS 3016RT2, DS 3012GE), we are satisfied with its performance and reliability. Infortrend solutions fulfill all requirements of Diana Unicharm JSC, are well integrated with VMware, feature robust hardware performance, come with a variety of software options (Automated Storage Tiering, Thin Provisioning, Remote Replication), can be easily configured, and are simple and inexpensive storage solutions” said Mr. Lai Thien Tri – IT/ERP

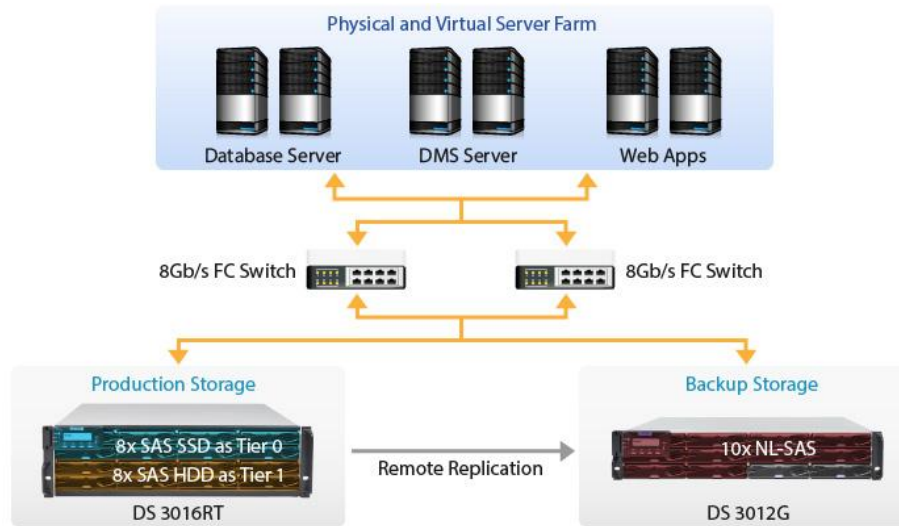


Challenges:

As the leading manufacturer of personal hygiene products in Vietnam, Diana Unicharm JSC has earned a reputation for relentlessly focusing on new and innovative ways to deliver more value and high quality products, and its official website is one of the key platforms to communicate with customers by providing a great amount of information including product introduction, promotion activities, TV advertisements, and news. Therefore, Diana Unicharm JSC was looking for reliable back-end storage solutions to secure and run web applications and database while providing outstanding performance, rich data services, and future-ready scalability at a cost-effective price

Solution:

After several weeks of testing, Diana Unicharm JSC decided to adopt EonStor DS 3016RT and DS 3012G. In its IT environment, the front-end physical and virtual server farm runs web, database and digital media applications, and connects to both production storage DS 3016RT and backup storage DS 3012G via 8Gb/s FC switches and interfaces. As a production storage, DS 3016RT stores all critical data of server farm, and with a configuration of 8 SAS SSDs, 8 SAS hard drives, and enabled Automated Storage Tiering, performs daily and weekly backup to DS 3012G. The purpose of the design is to offer a complete solution in terms of speed, security, flexibility, and ease of use. The system architecture is shown as the following diagram:



Why Choose DS 3000:

1. Leading Price-performance

Compared with other competitors, DS 3000 offers better performance and is more cost effective. Leveraging Automated Storage Tiering, DS 3000 can intelligently and automatically move frequently-accessed data to SSD pools and less-accessed data to high-capacity drive pools based on usage patterns, allowing businesses to enjoy exceptional performance and lower TCO of storage at the same time.

2. Robust Backup Solution

Replication capability allows Diana Unicharm JSC to create full data copies between two DS 3000 storages. If the production storage DS 3016RT fails due to disasters or system malfunctions, the IT administrator can leverage the disk-based remote copy in DS 3012G to restart services within a few minutes to ensure web services are uninterrupted.

3. Easy Storage Management

With the constant evolution of storage platforms, EonStor DS assists the customer to improve storage management efficiency by adopting the SANWatch management software. Its multi-feature interface design allows for central management of multiple systems for IT personnel to monitor performance and capacity usage, and complete all related system configurations.

4. High Availability with a No-Single-Point-of-Failure Design

All key components of the production storage DS 3016RT (controller, power supply, fans) feature a redundant design. Redundant dual controller design and automatic failover / restore features provide non-stop front-end services and support firmware upgrades with no down times to maintain 24/7 service, greatly enhancing user experience.

5. Massive Storage Expandability

Since the website provides a great amount of data such as video and information, the storage solution should come with sufficient expandability to meet the challenges of future growth. DS 3000 can support a storage capacity of more than 4PB with additional expansion enclosures.

About Diana Unicharm JSC

Diana Unicharm JSC, established in 1997, is one of the leading manufacturers in personal hygiene products in Vietnam, with well-known brands in sanitary napkins, baby diapers, adult diapers, and tissues. For more details, please visit: <http://www.unicharm.vn/index.html>