



Panasonic Electric Works Information Systems Co., Ltd.

Consolidation, HA and DR

Business Value

- Server consolidation
- High availability
- Disaster recovery
- Scalability

Executive Summary

Panasonic Electric Works Information Systems Co., Ltd. (PEW-IS) has chosen PAN Manager® Software by Egenera® to consolidate servers and reduce floor-space requirements. Along with enabling server consolidation, PAN Manager is delivering superior high availability and disaster recovery. Applications running in the data center include an order-processing service for the manufacturing industry, a content delivery system and Electronic Data Interchange (EDI). Based on proven results, PEW-IS has designated PAN Manager as its standard infrastructure virtualization management software for mission-critical processing.

Business Challenge

The IT executives at PEW-IS, a leading Japanese service provider, chose PAN Manager Software by Egenera to help consolidate servers and reduce floor-space requirements. With 700 of a projected 2,000 open-system servers installed in a facility that supports its rapidly growing Internet Data Center (IDC) offerings—and space already at a premium—management determined that a new architecture was needed.

The IT organization searched for a solution that could meet their requirements for performance, availability and advanced features in the least amount of floor space. PEW-IS chose Egenera after evaluating a large number of vendors against a variety of criteria. At that time, server consolidation was not yet widespread. However, reducing their data center footprint by consolidating servers was their number one challenge.

Standardizing on PAN Manager

Along with consolidation, PAN Manager offered PEW-IS superior high availability and disaster recovery features. “When you’re operating and

managing a large number of servers with limited staff, failures become more likely,” notes one IT executive. “So it was essential for us to source a platform that delivered rapid disaster recovery with as little intervention as possible.”

In the event of a failure, PAN Manager moves applications to a backup server, which automatically assumes ongoing processes. Now recovery at PEW-IS takes just minutes.

Another challenge faced by the IT team was organizational. Specifically, development and operations are separate groups. With developers free to specify virtually any hardware, operating systems, middleware, and databases, the number and variety of platforms to be managed was constantly expanding. Meanwhile, constrained by a small staff, the operations organization was finding it difficult to keep pace.

The solution was selecting standard platforms for company-wide use. Based on its consolidation, scalability and availability, PAN Manager was designated by PEW-IS as its standard software for managing mission-critical processing resources.

Multiple Applications

The first application PEW-IS decided to migrate to their new infrastructure was a large-scale order-processing service for the manufacturing industry. Running on 45 servers, this application stores and forwards order transactions among manufacturers, distributors and customers through a common Web interface.

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*IT Executive
Server Solution Division
PEW-IS*

ISP/Hosting

Panasonic Electric Works Information Systems Co., Ltd.

As recently as four years ago, only a few thousand terminals were attached to the order-processing system. Today, that number has risen into the tens of thousands. With growth continuing to escalate rapidly, PEW-IS is depending on PAN Manager to ensure availability and scalability of the application with a target to accommodate more than 100,000 terminals.

Along with order processing, PEW-IS runs a content-delivery system, which delivers product information and other data to construction companies and design offices. Likewise, they run gateway software that enables data integration with EDI systems.

PEW-IS is also planning to offer new services, such as hosting for large-scale, mission-critical applications, to a broader customer base. PEW-IS plans to migrate all applications to the infrastructure under control of PAN Manager.

About Panasonic Electric Works Information Systems Co., Ltd.

Panasonic Electric Works Information Systems Co., Ltd. (PEW-IS) was established as a subsidiary of Panasonic Electric Works, Ltd. in February 1999. PEW-IS, a cutting edge technology company specialized in information system services, has long supported Panasonic's information systems powerfully and accumulated extensive track records, know-how and advanced technologies. From consulting to full-time maintenance for information systems, PEW-IS is dedicated to provide customers with delicate and customer-centric services.



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