



Case Study

High availability IT infrastructure

Customer	One of the largest port authority in Singapore
Project	IT infrastructure with high availability for mission critical applications
Duration	Three months

BT Frontline Technologies Pte Ltd has implemented an IT infrastructure that is highly-available to meet the business objective of hardware availability of 99.99% per year and DR (disaster recovery) systems within an hour of DR activation.

BT Frontline's professional services process driven implementation methodology coupled with best-of-breed solutions from Sun, HDS, Veritas and Oracle have helped the customer to meet its business objective. Most importantly, the solution was implemented within a tight timeframe.

Key Business Challenges

- Must ensure high availability of 99.99% per year to meet the requirements of replacing the fault tolerant systems, which was running in the container planning system
- DR systems should be up within one hour of DR activation
- Database restoration in less than one hour.

Products and Services

- Sun V1280 servers
- SE 9970 with true copy replications
- Brocade 12000
- Veritas DBE/AC v3.51 — database advanced cluster
- Oracle 9i RAC
- Veritas Netbackup Datacentre v4.5
- Project management and professional services implementation for the complete project.

Key Business Solutions

- Sun server solutions as it provides the RAS (Reliability, Availability and Serviceability)
- Sun HDS storage subsystems for their high availability design of the mainframe design
- Brocade SAN fabrics for the highly available and scalable SAN fabrics solutions
- Veritas cluster solutions for the proven availability solutions for system level
- Oracle RAC clusters to provide the availability at the database level
- Veritas Netbackup solution for data protection.

Duration

- Three months for implementation, UAT and go-live.