

Oracle DB migration with minimum downtime



Duration:
10 days – planning,
implementation and go-live

Oracle DB migration from AIX to HPUX platform with minimum downtime

BT Frontline has designed and implemented the Oracle DB (1.8TB) migration from AIX platform to HPUX platform, using Quest Shareplex technology with a minimum downtime of six hours, which otherwise would have taken 3 days of downtime.

A combination of Quest Shareplex technology and BT Frontline professional services provided the customer with a quick and unique solution to meet

Key Business Challenges

- Servers and storage systems were running out of capacity and more powerful servers/storage systems are needed immediately
- 24x7 production line system — downtime affects the top and bottom-line
- Strategic and business decision to move the platform from AIX to HPUX-Itanium system
- 60 to 80 GB transactions per day
- Vendor has been given only once to migrate, otherwise the project is called off.

Customer Environment

- Source:
 - H/W and OS: IBM AIX server
 - Database: Two oracle database, Oracle 8.1.7 of 1.5 TB and 300 GB.
- Target:
 - H/W and OS: HP UX 11i, Itanium
 - Database: Two oracle database, Oracle 9.2.0.5 of 1.5 TB and 300 GB.

Key Technical Solutions

- Quest Shareplex 5.0 solution was used for this migration
- This solution provides the multi-threaded posting feature, which accelerates the synchronisation between the source and target database as transactions are quite high.

Planning and Implementation

- 10 man-days of effort from Frontline professional service consultants
- Project was executed with proper planning and coordination and there were no time for dry run
- Maintained close working relationship with HP and their customers
- 60-80 GB of transaction were carried out over the entire process before the system go-live.

Results

Customer saved millions of dollars by saving the downtime from three days to six hours.

About Customer

- Income for customer for year 2003 is about NT\$50 billion.

For more information, please contact:

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