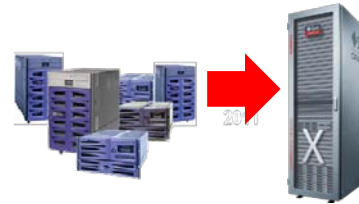


Nippon Steel & Sumitomo Metal Corp. / MES system

Benefits

“Consolidating 4 databases including Steel factory systems onto Exadata provided high performance and reliability, enabling making use of high quality of infrastructure.”

Consolidation
of database



Minimize planned
Downtime

5 minutes x 2



High
performance



Business Objectives

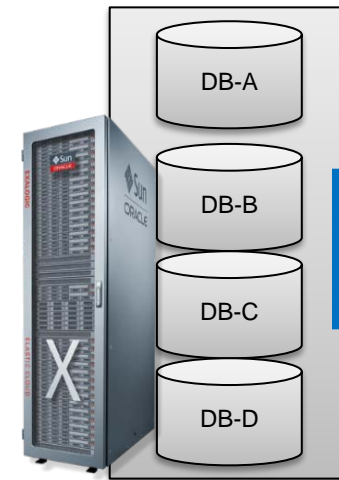
- High availability
- DB Infra consolidation

Solution

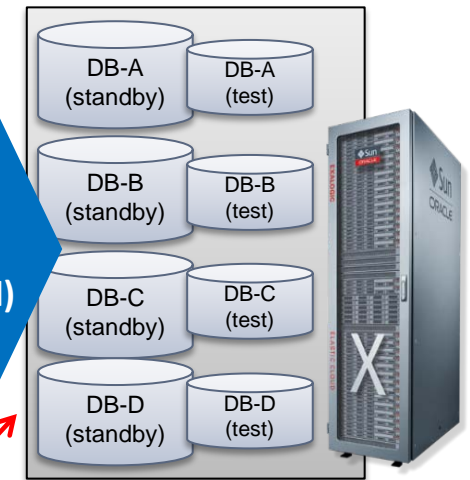
- Adopted Exadata for high performance and high availability
- Rolling upgrade using Data Guard minimizes planned downtime

- **Rolling upgrade using Transient Logical Standby minimized downtime of upgrading DB (11.2.0.3→11.2.0.4)**
- **5 minute downtime x 2times (switchover and switchback) per 1 DB**
- **Consolidated 4 DBs including Steel MES& DWH onto Exadata**

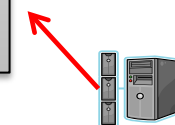
X3-2 Eighth
(production)



X3-2 Eighth
(Standby /Dev/ Test)



Data Guard
(Physical/
Transient Logical)



Monitored by EM12c & ASR Manager