

Case Study: Oracle E-business Suite ERP and Database Upgrade

About the Company:

The role of the government body is represented in cooperation and coordination with the concerned establishments and bodies and the organization and its federations in and out of the country with the aim of serving the members and growing and developing their trade relations in addition to enhancement of economic activity while moving to higher and better standard.

The organization while moving to the end of its fourth decade and despite its short period of time has accomplished as an independent establishment many achievements and objects in organizing many matters of trade, industry and professions. The organization due to the nature of its work has given many points of views and ideas on economic matters, reflected the ideas of the private sector establishments, made many proposals about setting of economic projects and legislations related to commercial and industrial affairs and contributed in the collection of information and data, making statistics and studying the fields sharing in its activation, protection and launching investment opportunities to it.

Business Challenges

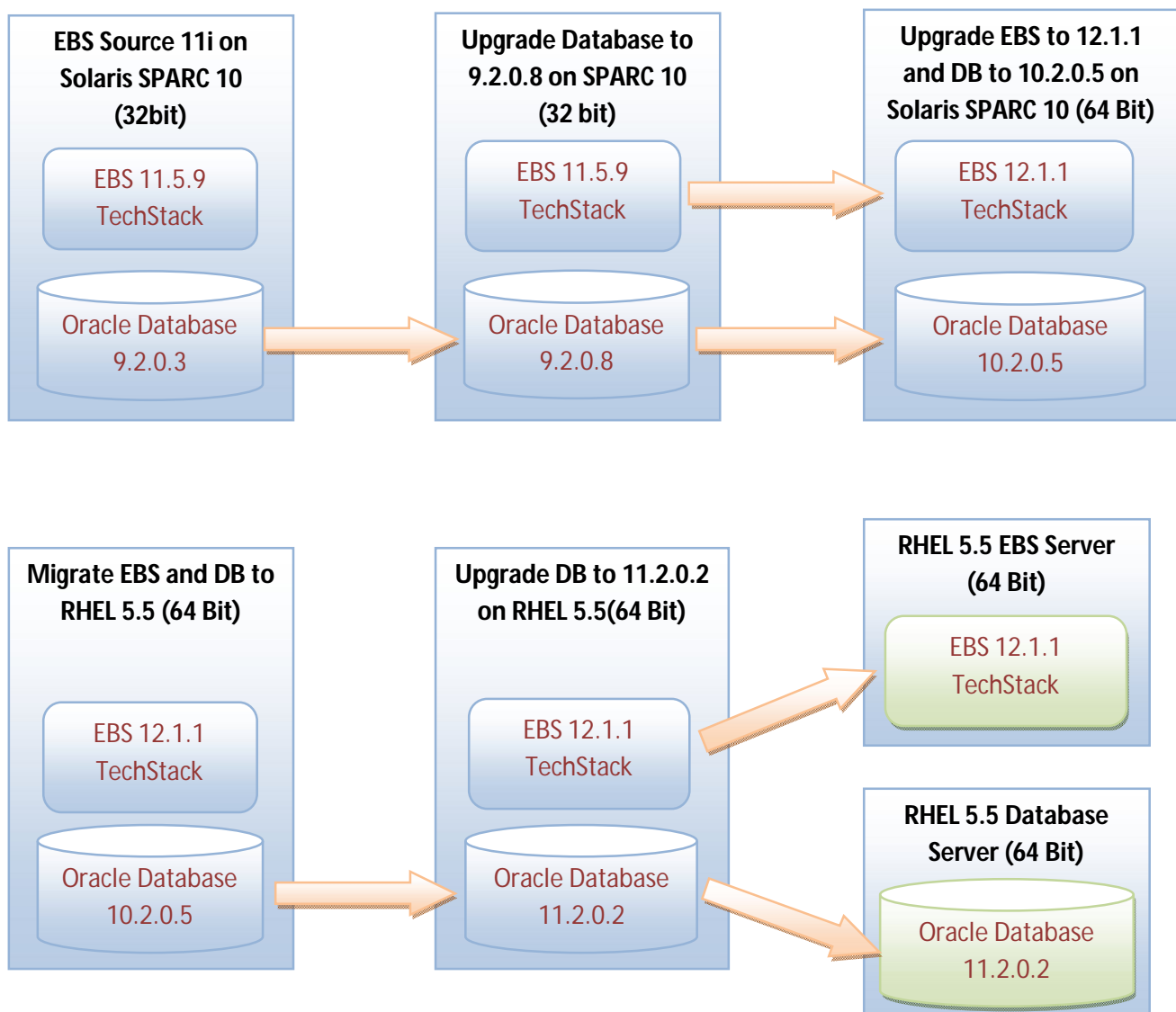
- The organization was running their Oracle E-business suite 11.5.9 with Oracle 9.2.0.3 Database on Sun Solaris.
- Solve IT challenges from rapid growth that resulted in having a number of applications that didn't communicate with each other
- Deploy a mature, robust, solid enterprise resource planning (ERP) solution as the backbone to other modules being deployed
- Increase competitive advantage through process efficiency
- Upgrade to Oracle Database 11g and Oracle E-Business Suite Release 12.1 at the same time, so users would have one major change period
- Minimize management burden for database administrators (DBAs) and reduce hardware and software costs

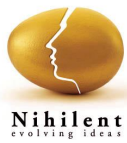
Nihilent's Role:

Nihilent along with partners has designed the architecture solution and implemented the same. Nihilent has suggested migrating their existing system which was on Sun Solaris with E-business suite version 11.5.9 and Database 9.2.0.3 to E-business suite release 12.1.1 and Database to 11gR2 (11.2.0.2) as their existing E-business suite and database moving from Sun Solaris to Linux Operating system.

Full implementation plan was prepared after doing thorough analysis of upgrade path. Started Upgradation of Database from 9.2.0.3 to 9.2.0.8, following upgraded 11.5.9 system to 12.1.1 with Database on 10.2.0.5 on their existing Sun Solaris 64 bit and then same has been migrated to RHEL 5.5 64 bit. After migrating to Linux Database has been upgraded to 11gR2 (11.2.0.2) and required application configuration and patching has been carried out on Linux system. Once the application and database has been upgraded a split configuration of Oracle E-business suite and Database have been implemented.

The following figure outlines several different approaches to the migration/upgrade process.





Business Benefits

- Improved 40% of Performance and efficiency by Up-gradation of Database 9.2.0.3 and EBS 11.5.9 to Database 11.2.0.2 and EBS 12.1.1
- Reduce 30% of Maintenance Cost by Cross Platform migration of Oracle EBS 12.1.1 and DB from Solaris 10 (32-bit) to RHEL 5.5 (64-bit)
- Gained advantages with integrated banking reconciliation as well as a number of other workflow-based transaction solutions
- Used Oracle Enterprise Manager and Tuning Pack to proactively tune database to identify and resolve problems early, and ensure near-100% uptime
- Benefited from enhanced performance to automate previously manual tasks using Oracle E-Business Suite applications, cutting process cycle times and improving staff productivity
- Enhanced journal entry efficiency with the Web application desktop integrator (ADI) functionality of Oracle E-Business Suite