E-Business Suite migration from On-premise to Oracle Cloud at TTK Healthcare

CASE STUDY

Introduction:

TTK Healthcare Limited is a well-established organisation with a presence in consumer products, pharmaceuticals, bio-medical devices, foods and maps. The company has an internal platform which is used by the employees for critical back-office operations and month-end reports. It is a long-standing client of Doyensys.

However, the system was ageing, and the old hardware was posing challenges for the users. The seven-year-old hardware was unable to keep up with the demands of a growing organisation. The internal IT application was creating a few other problems that needed attention.

Problem Statement

When TTK Healthcare approached Doyensys for a solution, the latter identified the following pain-points.

⚠ Age-old hardware that was due for renewal.

⚠ Automating manual disaster recovery.

⚠ A high total cost of ownership.

⚠ Compromisable network security.

TTK wanted 'as-is' migration approach to new hardware in oracle cloud to overcome the above pain-points as it was crucial to the business operations.

Challenges and Solutions

As is the case with every project, this one also came with its unique set of challenges. Here are the problems that the team faced during the project. Also mentioned are the solutions that the team proposed and implemented.

▶ Reducing export and import time

Since the company was using the application for a long time, the database was huge. Export and import of data in the existing system would be an inefficient and lengthy process. The Doyensys team resolved this situation by applying patches and tuned a few database parameters for the desired result.

▶ Cutover time reduction

Cutover is the time during the transition in which both the old and the new systems should work concurrently. The Doyensys team created an OCI resource in advance to manage the migration effectively. The team performed cutover activity in parallel wherever applicable.

▶ Transferring dump files in OCI

The team worked to increase the upload speed bandwidth, and also transferred from various locations.

▶ Setting up as-is backup policies

The team automated the backups using command-line interface using shell scripting.

▶ Configuring on-premise printer

The Doyensys team enabled LPD service in Windows and configured on-premise printer using CUPS.

Impact:

After the completion of this activity, TTK has made the following beneficial observations.

✓ Increased availability of the application compared to the earlier on-premise system.

✓ Ability to scale up, as needed, for non-production instances during the project cycle. Moreover, Doyensys also provided for flexibility of the storage needs.

✓ Ease of maintenance with reduced time to provision new instances. Additionally, the team also allowed for a reduction in backup time and improved performance of concurrent requests up to 15 times.

✓ Reliable DR plans

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