TAASHEE
LINUX SERVICES

RED HAT
Case Study

Introduction

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Taashee Linux Services, one of the world's 25 Most Promising Red Hat Solution Providers for 2016, provided complete JBoss EAP services with a 360 degree approach to one of the reputed clients from the banking sector. Our team of experienced JBoss engineers took care of the client requirements covering multiple stages right from Server Migration to Application Monitoring and from Network Administration to Application Configuration. Throughout the implementation process, our engineers took complete care of client issues with respect to Security, Backup, HA & DR, Reliability, and Scalability.

👤 About The Client

Our client is one of the leading banks in the Persian Gulf, which is listed in Bahrain Bourse as well. Founded in January 17, 1980, the Manama-headquartered bank grew its total assets up to US$ 29.4 billion as of 2014. It provides global financial services through its wide range of products such as Commercial Banking, Corporate Finance, and Retail Banking. Currently, the bank is on a rapid expansion process in MENA and Asia with its latest recruit being Qatar National Bank's CRO Grant Lowen.

CLIENT CHALLENGES

Migration from the client's existing Web Application Server to the JBoss Application Server

Our client was looking for a more cost-effective of managing customers' data. Also, there was no scope of compromise in quality considering the fact that it would directly affect the bank's global reputation. Though migration was one of the best available possibilities, the client was unsure of the exact processes and platforms to be considered for server migration.

Solution

JBoss engineers at Taashee Linux Services became well-versed with the clients' problems. Eventually, a series of solutions were implemented right from Database Configuration to Server Management. Given below are a series of steps in this regard.

➜ Configured JBoss with MySQL database.
➜ Converted the vendor-specific deployment descriptors to JBoss deployment descriptors.
➜ Converted proprietary APIs to container APIs after proper syncing.

Monitoring JBoss Application Server for Performance and Applications

The client was running multiple servers at its premises because of the broader environment. Moreover, there were discrete issues that were affecting the performance and consistency of the client's setup. There was no effective means to rectify issues whenever there is a downtime. Also, there were additional issues such as memory leaks, and downgraded performance.

Solution

Our engineers at Taashee Linux Services swung into immediate action by suggesting Application Monitoring feature. Additionally, the client was provided with more services with respect to Performance and Reliability.

➜ Terminate unused processes affecting JBoss server performance & Minimize downtime by restarting services.

➜ Maintained a single dashboard for a comprehensive view and resolution of JBoss performance issues such as application, server and infrastructure.

➜ Generated regular reports with built-in features with respect to performance.

➜ Detected memory leaks and obtained comprehensive view of heap usage, garbage collection and usage of memory pools.

Administering the network environment for maximum performance

Maintaining an actively operational banking environment 24x7 is not easy for our client. With multiple operations carried out across different geographical locations, there was a huge impact upon the network. Also, the complexity of the network configuration added to the client issues.
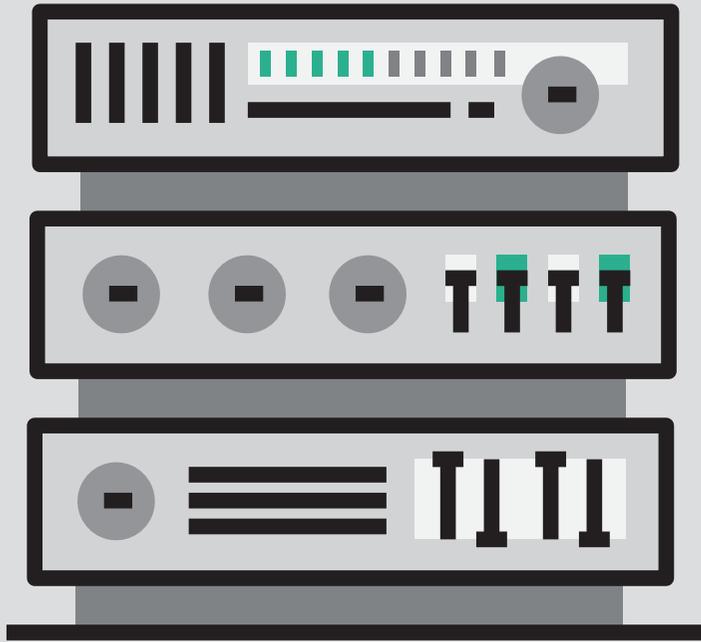
Solution

Our JBoss engineers at Taashee understood the client network setup perfectly. It resulted in setting up an ideal infrastructure by us resulted in perfect functioning of the banking system. Additionally, the complex issues related to downtime and insecurity too have been resolved with the installation of JBoss Operations Network (JON). Getting into detail, we have:

Implemented JBoss Operations Network installation for

➜ enterprise-grade configuration management

➜ ensuring application service levels for consistent performance

➜ avoid escalating costs and maximize ROI

Application Configuration for increased Security and Server backups

Our client was experiencing issues related to application configuration, which resulted in security and backup issues. Setting up proper database configuration as per the parameters and performance too was a major hindrance. The lack of proper monitoring standards with respect to load balancing was affecting overall efficiency of the application.

Solution

Taashee engineers having expertise in JBoss provided the best solutions by resolving the client issues with proper application configuration. It enabled in timely recovery without resulting in any data loss.

➔ Decreased single points of failure using a static IP besides monitoring failover service for healthy load balancers.

➔ Ensure recoverability through a backup system reducing the overall data loss.

➔ Implement load balancers to reduce effectively single points of system failure.

Our Unique Features

Taashee Linux Services maintains a strong team of developers and engineers who are capable of resolving client issues by providing the best resolutions reflecting the latest industry technologies.

At Taashee Linux Services, we understand the requirements of our clients and always strive to meet their expectations in the best of our capacities. Given below are some of the features that differentiates us from our competitors.

➔ Global implementation practices laced with robust technologies and industry-accepted standards.
➔ Innovative client trusted methodologies reflecting the need of the hour with clear focus upon future requirements.
➔ Strategic partnerships with industry leading open source technology service providers.
➔ Instant resolutions provided to the client issues aimed at enhancing productivity and improving efficiency.

Learn More

Taashee Linux Services plays a proactive role in assisting clients with the analysis of their current requirements.
Our dedicated Sales Team is capable of supporting you in undergoing the Digital Transformation that is quintessential for your growth.
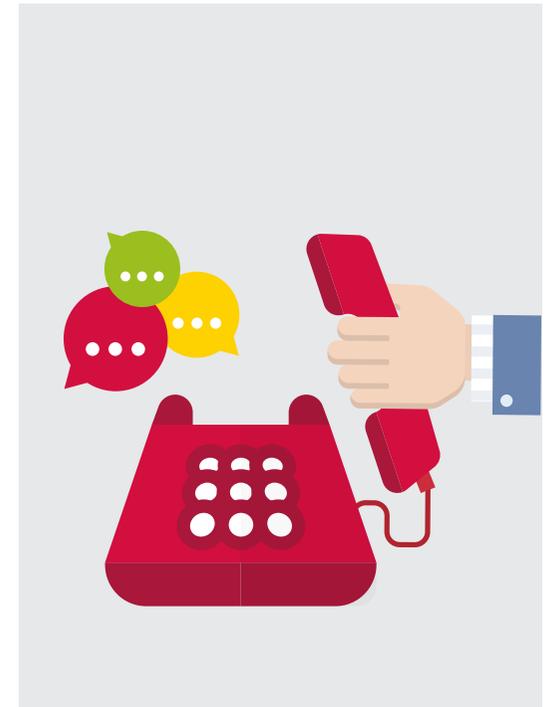
Learn More

Taashee Linux Services is a customer-centric Open Source Software (OSS) company offering a one-stop solution for the diverse requirements of clients. Our dedicated team of certified engineers and passionate developers handle various projects related to implementation or development of the advanced technologies, be it open source or proprietary.

For more information, please log onto:

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