A Leading Automobile Industry Uses AEM Forms to Handle Their Supply Chain Logistics

About the Client
The client is a Japanese multinational automotive manufacturer headquartered in Toyota, Aichi, Japan. It was the world's first automobile manufacturer to produce more than 10 million vehicles per year. They sell their vehicles in approximately 190 countries and regions and their markets for its automobiles are Japan, North America, Europe and Asia.
Our Approach

Use Ansible Scripts for an upgrade from AEM 6.2 to AEM 6.4 across different environments. Being an Agentless system, Infrastructure was orchestrated for AEM upgrade covering pre-upgrade and post-upgrade tasks.

At Royal Cyber, we have certified AEM and Adobe LiveCycle Experts who have development and administration experience. We have successfully integrated – enterprise monitoring tool like AppDynamics, Dynatrace. Our team has exercised multiple projects and has expertise in creating infrastructure with DevOps Configuration Tools.

Our team was able to chart out a plan with solution customized for getting better results as per the customer needs. The following services were designed & developed:

1. Use Ansible Scripts for an upgrade from AEM 6.2 to AEM 6.4 across different environments. Being an Agentless system, Infrastructure was orchestrated for AEM upgrade covering pre-upgrade and post-upgrade tasks.

Business Challenge

The client had a need to migrate from Adobe Experience Manager 6.2.0 to Adobe Experience Manager 6.4.3 Forms. Some of the changes included, Infrastructure Monitoring, Performance and Stability and Improve the AEM response times in providing PDF conversions.

1. Upgrade On-Premise Environment - from AEM 6.2 to 6.4.
2. Build Azure Environment with AEM 6.4 using Terraform and achieve Dev-ops pipeline initiated from Jenkins.
3. Work on Performance Tuning to provide client with stable environment. Issues was observed at Client
4. Integrate AEM with AppDynamics Monitoring.
Created Cloud environment for AEM Server Instances – with on-demand scaling to handle the traffic at client end.

Scripts for infrastructure was created with Terraform and AEM environment was provisioned using Packers.

Integrated AEM with AppDynamics Monitoring for their environments, helped the team in understanding code level and infrastructure level performance. Baselined client’s environment covering key differences between 6.2 and 6.4.

Performed isolated watch folder Performance Testing – isolated from Application Environment to perform AEM tunings.

Performance tuning over Java 8 was advised based on the load tests outcome for better memory management and CPU.

RESULTS

Royal Cyber team with its expertise – on AEM Forms with strong background around Adobe LiveCycle Projects was able to understand client requirements created a seamless upgrade path.

Client was able to manage a lot of things with less efforts

Easy access to System Health with integrated Monitoring System

Able to handle more requests from their Suppliers – and had a visibility to the infrastructure capacity and future onboarding was broken down in better graphs.

Client was able to leverage features of 6.4.3 – like Online Compaction, Additional Monitoring Dashboards were created to support any fallbacks.

Suppliers, were able to have better response from Adobe Experience Manager by enabling them to have more stability and reliability to the current System.

CASE STUDY

SOLUTION

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KEY BENEFITS

› Improved Searching and Indexing
› 10% increase in performance
› Revised monitoring graphs with multiple features
› Improved Compaction Process
About Royal Cyber:

Simplifying IT for Customers & Partners

Royal Cyber Inc. Headquartered in Naperville, IL is a leading software organization that provides services ranging from application development and deployment to training and consultancy. We commenced the operations in the year 2002 as a specialized Technology provider striding in as a software deployment service provider, assisting clients to meet the standards and demands of doing business in the rapidly changing marketplace. Today we stand tall as a One Stop Shop for all your IT needs.