

# Keya Group Implementation of SAP S/4HANA on AWS



## EXECUTIVE SUMMARY

Over the past few years, Keya Group conducted few major global expansions. Different units of the group had dissimilar processes, data was not optimized and processing slowed down heavily. The local ERP as well as the half-implemented ERP system started holding back their core business.

Without a single centralized and integrated ERP within all business areas, a large database and more than 200 users, the complexity was getting out of grip.

“While deciding to implement SAP, they needed to simplify their processes and reduce ERP response time in a cost-effective way so that the business could get more agile and dynamic” - said Mr. Rezwon Ali, Director at Omega Exim Limited.

Their existing database was insufficient to meet the future business goals thus they needed a cutting-edge solution. With 90% of their businesses running in one complex ERP system, they wanted to make one robust system to meet their goals.

In order to increase performance, KG needed to upgrade to the bleeding edge. They decided to implement SAP S/4HANA in-memory computing database along with a cost-effective and secure environment to manage its SAP S/4HANA, which would support a new ERP application using least resources thus chose to enter Amazon Web Services (AWS) platform.

## THE SOLUTION

To realize agility and cost savings, Keya Group decided to implement its SAP S/4HANA platform on cloud. After considering solutions from leading cloud providers, the organization decided Amazon Web Services (AWS) offered the best solution within budget. “AWS perfectly met our needs for agility and scale, and they have the best reputation in the marketplace,” says Mr. Abdul Khaleque Pathan, the Chairman of Keya Group.

Keya Group started its cloud journey by implementing SAP S/4HANA systems in AWS. The group was able to easily deploy and build out its SAP S/4HANA in the most cost-effective way without deploying a single human resource to manage it.

Once it's SAP S/4HANA environment was up and running, the ERP application, being accessed daily by 200+ employees, contained all of the organizational and customer contact information. The company's S/4 HANA environment contained all SAP applications built in Amazon Elastic Compute Cloud (Amazon EC2) instances leveraging Amazon Elastic Block Store (Amazon EBS) volumes. Also Amazon Simple Storage Service (Amazon S3) has been enabled for back-up and SAP application and Database storage. AWS Lambda functions and Cloud-watch events have resulted in excellent utilization of AWS infrastructure and substantial savings for automated operations effortlessly which is expected to accrue over the next three years.

To ensure maximum security, the organization deployed AWS site-to-site VPN to establish a private connectivity between AWS and Keya Group data-center. AWS Identity and Access Management was also activated, which gave the company a secure control over internal access to AWS services and resources, and finally they deployed an encrypted Elastic Block Store volumes to meet strict audit requirements.

Founded in 1983, Keya Group (KG) is one of the leading conglomerates in the Bangladesh. Boasting 3 spinning mills, KG holds a leading position in the manufacturing and exporting of knitted garments. At present, KG operates 6 industries and employs more than 10000 people. For more than 20 years KG has proudly made its presence felt, both in Bangladesh and abroad in countries like Europe, Australia, China, USA and other countries in the Southeast Asian region.



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Using AWS to deploy and operate our SAP S/4HANA environment, we can save more money on infrastructure, which opens up in other parts of the business that can drive more revenue”

## THE BENEFITS

The consolidation of SAP systems and its centralization in AWS has allowed the company to optimize its technological resources and simplify the management.

According to the company, the users of the system have noticed a series of benefits in a short period of time, for example, the reduction of response time, which makes it easier to perform more analysis in less time. “Now we are even going much further because we have modelling data that can be tapped and keep extracting more information”, KG owner adds.

In addition to the agility and speed achieved, “self-service” abilities of AWS provided users with greater autonomy to draft their reports and perform realistic analysis, which eventually resulted in increased productivity.

There was always this rigidity among employees as they launched the core application on cloud but when the company also started reducing its operational costs for the longer run, they too started believing in it. “By using AWS, we can start/stop our Development and Quality environment instances when it needs, without investing thousands of dollars in new hardware in the data center,” says Mr. Nasim Haider Md. Manjur, Head of the IT Department of KG. “Using AWS frees up capital for us to invest in other parts of the business which now derives more revenue” – he added.

The company also ensured strong security for its ERP solution and future SAP applications. “All our organizational and customer data is sitting on the AWS cloud, which shows how confident we are with the security services we receive from AWS,” he adds.

As it concerns the additional business-critical SAP applications on AWS, Keya Group expects to continue to save time and money and to be able to direct more energy toward its goals. “Using AWS cloud had helped us to concentrate more on our priorities,” says the Chairman. “Instead of putting our resources into maintaining our infrastructure, we are now focusing solely on initiatives which can elevate our business and add more value to our customers.”

## THE FUTURE

The foundations have been laid for deriving other long-term advantages which will contribute to the business growth. The company has now a whole project roadmap to include information from different business areas in SAP S/4HANA and perform its cross-function-analysis. “The project has allowed us to have a common repository of transactional data, KPIs, etc., which offers us a vision of what’s happening in the company and which will serve as the foundation for other more complex analytical initiatives”, concludes the CIO.

## ABOUT OMEGA EXIM LIMITED

Omega Exim Limited (OEL) is a leading one-stop IT solution provider, leveraging leading technologies to drive real business results for clients.

Founded in 2013, we have come a long way earning experience, continued success and a well-satisfied clientele. We are powered by highly skilled professionals, across various domains, whose experience can transform organizations. From an enterprise data strategy to a full-scale digital transformation, we can help identify your challenges and guide the way to grow your business.

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Since its inception OEL plays a leading role building a bridge between the IT solution seekers and IT solution providers. We aim to serve our customers with highest satisfaction, integrity and best practices offering an enriched array of IT product, services and solutions.

