



Image: Kellogg Company

SUCCESS STORY

KELLOGG COMPANY

“Thanks to SNP, we were able to go live on AWS with a total project time of less than six months and in under four hours downtime. More than 1,600 users in five markets with near zero downtime and on an accelerated timeline were migrated.”

Salvador Millan, Vice President Infrastructure and Operations, Kellogg Company

Migration to the AWS Cloud in Near Zero Downtime

About Kellogg

The Kellogg Company is an American multinational food manufacturing company headquartered in Battle Creek, Michigan, United States and was founded in 1906, when founder W.K. Kellogg and his brother accidentally flaked wheat berry – he kept experimenting until he flaked corn, which led him to the recipe for the famous Kellogg's Corn Flakes. Kellogg's produces 1,600 consumables in 18 countries and markets them in more than 180. 2016 reported net sales totaled \$13 billion.

Further information: www.kelloggcompany.com

The Challenge

In 2013, Kellogg Company found itself devoting significant amounts of IT time and resources to the replacement of aging and obsolete hardware. The food manufacturer soon realized that the resources and time spent on maintaining its existing infrastructure would be better utilized on innovative initiatives to help Kellogg's win in the marketplace.

Kellogg company had been maintaining its SAP systems in a data center with an aging technical architecture – risking downtime and unexpected capital expense. The hardware's end of life was fast approaching. The company also struggled to meet management and user performance requirements.

Additionally, Kellogg's was still running older SAP application versions on unsupported hardware. Within this existing IT

landscape, the applications could not be upgraded. Kellogg's needed a solution to accomplish the following SAP upgrades with minimal disruption:

- SAP ECC 5.0 to get moved to ECC 6.0 EHP7
- SAP SCM 4.1 to get moved to SCM 7.0 EHP3
- SAP BW 3.5 to get moved to BI 7.4 SP3

Kellogg leadership reviewed options for modernizing the global enterprise's technical architecture to enable future growth and innovation. They chose the Amazon Web Services (AWS) cloud platform to house its global SAP landscape. This solution would decrease capital expenditures and minimize disruption during future hardware upgrades, furthermore eliminate expensive proprietary operating systems. In reviewing the new SAP landscape, Kellogg's became interested in an SAP solution called Accelerated Trade Promotion Planning (TPM), powered by SAP HANA.

After project planning began, Kellogg's realized the complexity of this transformation initiative. It included significant software changes, multiple outage points, along with global management & coordination to execute the cloud move. The project's complexity created a high risk for project overruns, long timelines, possible technical failure, extended downtime & operational disruptions. Kellogg's found this level of risk unacceptable and set out to find a solution that would minimize manual effort, project risk and downtime, and ensure a successful transition to the new architecture.



Images: Kellogg

The Solution

To overcome their upgrade and migration challenges, Kellogg's engaged SNP to assist with the SAP upgrade at the application layer. Basis for the decision was the experience and migration strategy in similar large transformation projects. Also, AWS recommended SNP directly to Kellogg's.

The project began in October 2015. The SAP ERP system was migrated with SNP Transformation Backbone®, enabling a near zero downtime approach. Using SNP's automated on-premise solution, the migration of SAP ECC 5.0 on the AWS Cloud was executed simultaneously with the other SAP components in one project that included the EHP upgrades, the Unicode conversion, re-platforming to Linux with the latest version of the Oracle Database, and the data migration to the AWS Cloud.

The SAP SCM system and BW systems migration had unique requirements: SCM 4.1 was partly migrated to SCM 7.0 EHP 3 using SAP standard tools to handle the live cache appropriately. The very outdated SAP BW 3.5 system required several migration steps and was completed with only SAP standard tools.

Go-live for the migration took place during the weekend of March 7, 2016, with a total technical downtime of less than four hours. More than 1,600 users in five markets were migrated with near zero downtime and on an accelerated timeline.

The Advantages

- Successful upgrades with no custom programming required
- Rapid migration and low risk
- Upgrade and migration of multiple SAP components simultaneously
- Near zero downtime (less than four hours)
- Reducing Total Cost of Ownership (TCO)
- Reducing Data Center Management overhead
- Shortened project timeline
- Faster path to increased reliability, improved performance and faster replication of environments