

Case Study

About Guiltfree Industries:

Forayed into FMCG business with packaged food business, Guiltfree Industries is RPG Group's new venture. Guiltfree Industries Ltd manufactures and sells packaged snacks, cereals, juices, and beverages in India. The company was founded in 2017 and is based in Kolkata, India. Guiltfree, the FMCG arm of the RP – Sanjiv Goenka Group is being positioned to be a \$1 -billion business in the next five years.

System Details:

Guiltfree wanted an Enterprise Resource Planning (ERP) system that would provide an integrated, real-time view of its core business process and enhance overall business agility. They also wanted to host the system on a cloud-based platform, which would allow the company to deploy servers anywhere in the world without the need or cost of setting up and maintaining a data centre. They selected SAP S/4HANA as their ERP system.

Problem Statement / Definition:

Guiltfree Industries was looking for a cloud provider where they could quickly and reliably set up and launch their SAP S4 HANA Landscape along with peace of mind from security and compliance point of view.

They were was looking for a partner with both SAP & AWS expertise to manage their entire landscape on the AWS Infrastructure.

Key Business Requirements:

Some of their key requirements were:

- Replace up-front capital expenses with low variable costs and operating costs.
- Have a Scalable Platform on a pay-as-you-go basis so that they could optimize TCO and utilization of resources, so that the scale can happen as the business grew
- Since it was a greenfield SAP landscape installation, Guiltfree wanted to have an SAP landscape with an on-demand option

Reasons to move to AWS Cloud:

- Better Agility, Scalability and Reliability
- Lower TCO
- On demand Pricing option
- Multiple and flexible DR options
- High data centre security with many certified standards and audit reports to customers on demand
- Availability of SAP-certified AWS SAP S/4HANA instances of various sizes
- Ability to migrate and integrate multiple LOB applications/portals etc along with SAP
- Better Business Continuity



The Solution:

Guilffree deployed SAP S/4HANA (PRD/QAS/DEV) landscapes in the AWS Cloud. Each of the configurations use separate EC2 instances for the SAP HANA database system and NetWeaver application server system.

It has also implemented SAP Fiori, Web Dispatcher, Solution Manager and DMS applications. Guilffree launched its entire SAP landscape to SUSE on AWS because SUSE Linux Enterprise Server for SAP Applications supports a number of SAP scenarios in production on AWS. It also supports prebuilt images on AWS.

How AWS Services Were Used As Part of The Solution?:

The team chose to run its SAP HANA database on Amazon Elastic Compute Cloud (Amazon EC2) memory-optimized R4 instances, to accommodate enterprise applications such as SAP. Using AWS Direct Connect, Guilffree have established a private connection between AWS and their network giving the firm's employees direct access to SAP systems. Amazon Simple Storage Service (Amazon S3) is used for data backups, including backup of the HANA database. Amazon Elastic Block Store (Amazon EBS) Provisioned IOPS (P-IOPS) volumes are used for storage, while AWS Identity and Access Management (IAM) helps Guilffree manage users and authorizations.

Additional Solutions or Tools For Monitoring:

Infra-structure monitoring was done using CloudWatch and remediation was based on triggers and alarms configured for service health or capacity thresholds. SAP Solution Manager is also used for SAP System Landscape Monitoring and to analyse the system performance and status.

SAP Sizing for Deployment:

The standard SAP sizing procedure was utilized when sizing SAP solutions to run on AWS. To obtain sizing information for SAP Application Servers, we had determined their SAPS requirements based on number of users and other inputs regarding to the volume of transactions and then architected their SAP solution on AWS based on the SAPS ratings of the various EC2 instance types. Source server sizing as well as future requirements and flexibility were used to arrive at initial server sizing on AWS.

Start of the project: **2017**

Go live: The customer went live on AWS in **April 2018**.

The Benefits:

Key Benefits after Moving to AWS

- Better management of infra-structure for optimal resource utilization and application performance
- Better Scalability, security and agility



- Ease of monitoring – this was setup using open source and native AWS based monitoring tools.
- Cost Savings + Lower turnaround on deployment of application workloads and hence faster Time to market
- System can be replicated and recovered quickly into AWS without disruption or data loss using Auto-recovery
- Guiltfree has cut down on the amount of IT resources it needs for its SAP systems with regards to administration, ongoing support, performance tuning etc
- Finally, AWS has provided Guiltfree with an agile platform that allows it to scale up as the company continues to grow.