



## Case Study

### About Midas Safety

Midas Safety is known by its customers as the No. 1 global private-label safety glove manufacturer in the world. For over 30 years, hundreds of globally renowned PPE safety brands have been relying on Midas Safety as a credible OEM of industrial safety gloves. Their vast range of products makes them the only super market of gloves, committed to offering consistent quality and innovative solutions to their customers across 50 countries.

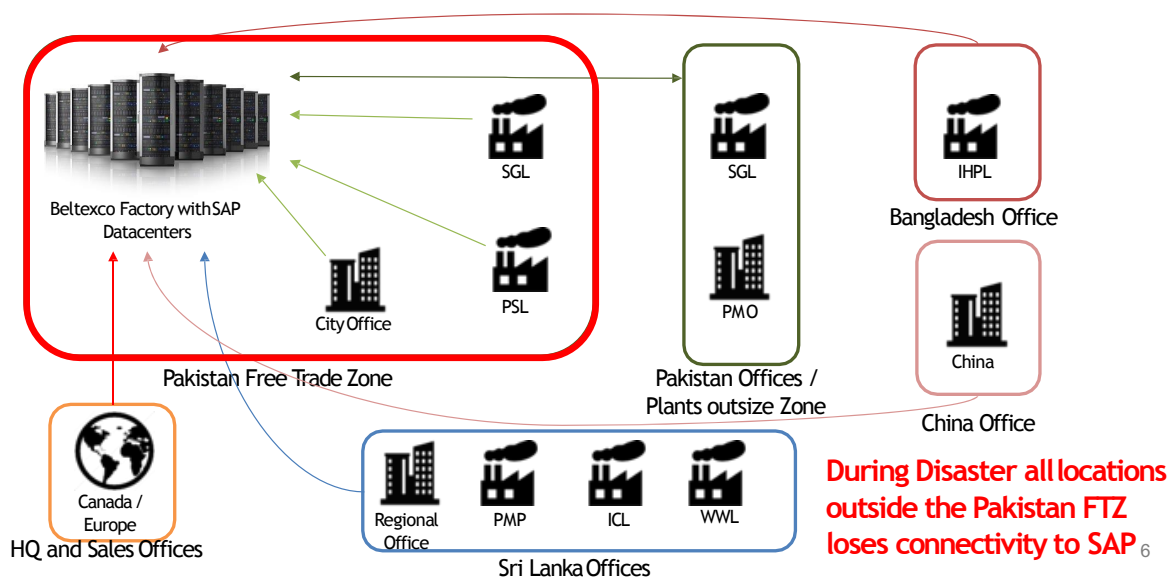
### System details

**Customer was using the following SAP Systems:**

SAP ECC 6 EHP4 (DB Size – 1200 GB) and SAP BW 7.0 EHP1 (DB Size – 800 GB) with OS AIX and Database: DB2.

As part of the project the existing customer landscape was migrated to SAP ECC 6 EHP7 on HANA DB and SAP BW 7.4 on HANA in 2 phases. At first the customer moved from existing on premise to SAP HEC and then from SAP HEC to SAP on AWS Cloud.

### Initial On-Premise SAP Implementation



## Key Challenges

- Outdated Hardware
- No DR
- Lack of Scalability
- Single Point of Failure
- Frequent Disconnections in connectivity
- Lack of competent Resources
- Compliance Issues
- Higher overhead in Administration and Overhead

## Reasons to move to AWS Cloud

- Elasticity, Scalability, Reliability and Integration
- Move from Obsolete to Certified Hardware.
- Move expenses from the CAPEX environment to OPEX environment
- Predictable Costs and Lower TCO
- Higher Performance
- VDI's – Desktop as a Service for remote or for scattered locations
- Multiple DR options and Monitoring
- High data centre security with many certified standards and audit reports to customers on demand
- Ability to migrate and integrate LOB applications onto AWS along with SAP

## The Solution

The Customer 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, they 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 the customer manage users and authorizations.

### Solutions in Scope for AWS:

- SAP ERP ON HANA
- SAP BW On HANA
- DR for SAP ERP
- AWS Workspace
- RDBMS for legacy applications
- Simple Notification Service

## SAP Sizing for Deployment

The standard SAP sizing procedure was utilized while sizing SAP solutions to run on AWS. To obtain sizing information for SAP Computes, we looked at their existing sizing on SAP, their future requirements as well as for Memory Sizing for HANA Instances, the sizing report which was described in SAP Note was considered. Based on these we determined their SAPS requirements and then architected their solution on AWS based on the SAPS ratings of the various EC2 instance types.

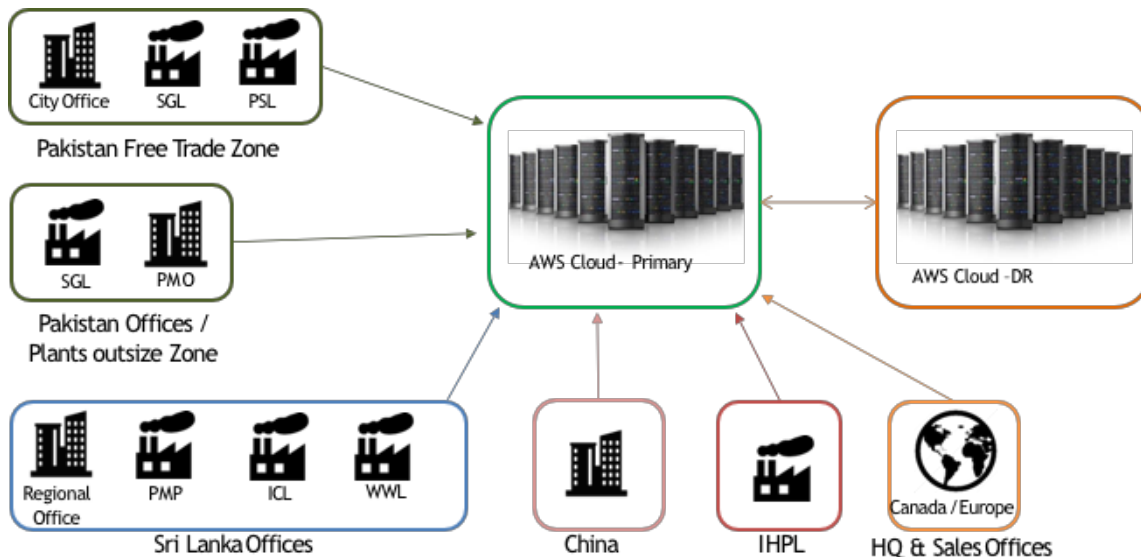
**Go Live:** The customer went live on AWS in March 2017

## Monitoring

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

## The Benefits

### Landscape after Migration to AWS Cloud



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### Key Benefits after Moving to AWS

- Speed doubled @ all locations
- All the intranet portals at now at one place
- Professional Team and Excellent Response Time
- High rate of end user satisfaction
- Improved Application Performance

- Drastic Reduction of maintenance cost
- Higher High Availability due to redundancy
- Assured 99.9 % System Uptime
- DR site at fraction of the cost using & Backup
- Higher Flexibility and scalability

## Why InfraBeat?

- They Bring the best of both worlds on the table – viz, both SAP and AWS expertise
- They bring Agility as well as they provide an excellent team of consultants, who are very relevant to our project challenges
- Amazing hold on the product, and its deployment techniques on cloud