Xebia
SOFTWARE DEVELOPMENT **DONE RIGHT**

BUILDING NEXT GENERATION
TRACKING SYSTEM

Business	Challenge	Solution
One of the largest retailer in the world	*New feature development & support to Transport Service which provides real time view of delivery status to colleagues & end customers*	*Integrated tracking system for client's entire delivery process*

THE NEED...

- Development of new features along with the maintenance of the existing application

- Seamless migration from AWS to Azure
- Building Disaster recovery capabilities for services in on premise data center

- GDPR compliance for the customer centric data
- Containerization of Microservices to make the services more resilient and scalable

HOW WE DID IT

We built a resilient, robust, and scalable tracking system

- Team built a central system that interacts with various other systems in their ecosystem such as - Delivery management system (Allocation and Tracking API), 3rd party carrier management system, and Grocery home shopping service.

- Migrated services from monolithic to microservices architecture.

- Microservices were deployed on Azure Kubernetes for applications residing in AWS.

- Migrated to Azure from AWS, with parallel deployment architecture which resulted in seamless migration and easy rollback from Azure to AWS, in case it was required.

- Disaster recovery capabilities were added for Data center and Azure to minimize infrastructure resources and cost during idle time & upon disaster, the system is resilient enough to be back in duration of 4 hours.

- Implemented GDPR compliance as per the UK guidelines for improved security.

TECHNOLOGY BENEFITS

- The tracking system was built using Microservices with CQRS architecture patterns.

- Automation through scripts and Jenkins reduced time for activities like DR setup, production infra creation, and deployments.

Java   Azure   Jenkins   kubernetes   splunk>   git-secret

High Performance, Cost Effective & Resilient System

01

3X faster deployment with Azure

02

Risk reduction by bringing business up and running in case of disaster recovery

03

Robust system which can handle 10 million API calls per day.

It made a huge impact

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