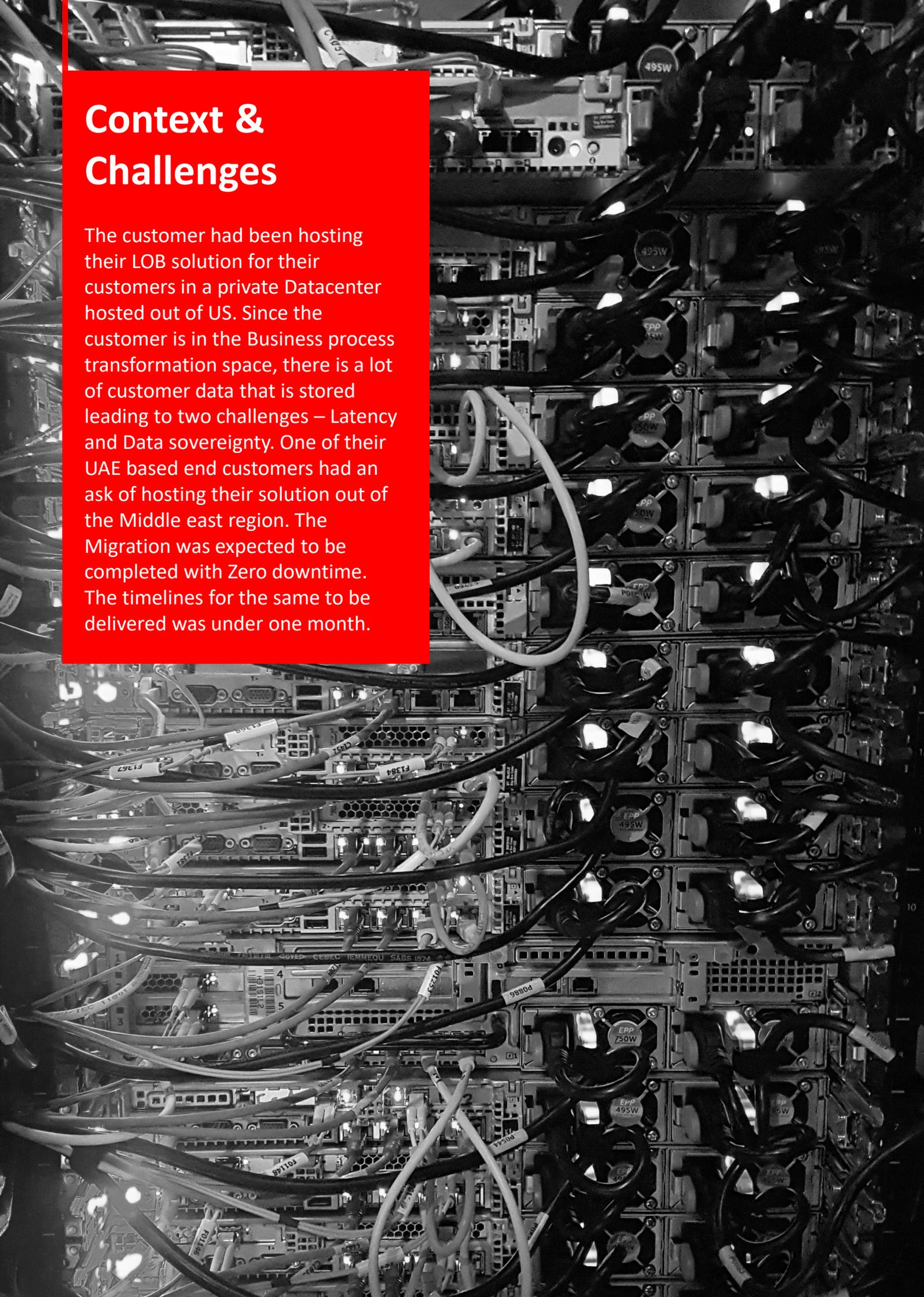# Leverage Public Cloud to achieve Data Sovereignty for a Business Process Transformation Company

About Customer

Customer is a global Business Process and Technology support company which focusses on accelerating digital transformation securely and efficiently for its clients. Headquartered in US, they have revenues of over USD 1B, with over 27000+ employees and a presence in 84 countries including North America, Europe, APAC, Middle East and Africa.

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Context & Challenges

The customer had been hosting their LOB solution for their customers in a private Datacenter hosted out of US. Since the customer is in the Business process transformation space, there is a lot of customer data that is stored leading to two challenges – Latency and Data sovereignty. One of their UAE based end customers had an ask of hosting their solution out of the Middle east region. The Migration was expected to be completed with Zero downtime. The timelines for the same to be delivered was under one month.

Sonata Solutions

Sonata engaged with the customer through a consultative approach to assess, plan and migrate their applications to the UAE DC.

Assessment:

Sonata used Microsoft Assessment and planning tool kit for the existing infra discovery.

Migration Plan:

- Tool based Migration from customer's on-prem SQL server to Azure UAE SQL Server by leveraging Azure Site Recovery

- In order to achieve the timeline objectives and Data migration targets, we planned for multiple Process server in the on-premise Datacenter and synchronized VMs from on-premise SQL servers to Azure UAE Datacenter

- Once the initial synchronization was completed and tested, the synchronization by test failover was used to validate the functionality of application and data

- Established the VPN connectivity to on premise Datacenter, and at a planned maintenance window we did fail over to the initial set of servers and validated the functionality and assigned static IP to Private and Public IP wherever it is required and updated respective DNS for the application to function seamlessly

Post Migration Support:

- Post-Migration analysis of Network Performance for the production Server

- Remediation on sizing / networking to optimize the performance and rationalize the cost

Results

Migration completed in 3 weeks for 300+ VM with zero downtime

Improved user experience as latency goals were achieved

Achieved Data Sovereignty and helped customer's GTM team to realize business value in a short period

WHY SONATA?

Crafting a personalized experience has been a significant differentiator for retailers. We understand that the core principles of retail and the emerging trends of digital transformation in the Retail. With the track record of delivering futuristic solutions, we help retailers to redefine the boundaries of engagement with customers across their journey, from home to store to social-media

Sonata's platformation approach helps clients to choose a solution that best fits their needs; balancing readily available platforms and solution customization

1. Sonata READY: End-to-end, industry-specific digital business platforms
2. Sonata ACCELERATE: Deploy popular horizontal platforms adding required functionality
3. Sonata CUSTOM: Engineer custom platforms that deliver unique digital capability and scalability

Our Microsoft value prop:

- Sonata is an expert in Microsoft technologies including Dynamics 365, Azure, Power BI and other stacks.

- We leverage our 360-degree relationship with Microsoft in the execution of our projects

- Sonata has products that enable digital and Omni commerce solutions in Retail and Distribution Industry. BRICK and CLICK is an integrated Digital Retailing Solution with B2C, B2B, Mobility, MPOS, and Retail Analytics - A complete Package built on Dynamics 365.

- Track record in rolling retail implementations - To name a few
  - One of the leading women's fashion active wear brand with 300+POS Machines across 200+ Stores.
  - American tyre manufacturing giant, $15B manufacturer & retailer, a mobile first distribution solution to improve sales effectiveness and efficiencies.

Sonata is a global technology company, that enables successful platform based digital transformation initiatives for enterprises, to create businesses that are connected, open, intelligent and scalable. Sonata's Platformation™ methodology brings together industry expertise, platform technology excellence, design thinking-led innovation and strategic engagement models to deliver sustained long-term value to customers. A trusted partner of world leaders in the Retail, Manufacturing & Distribution, Travel and Software industries.

Sonata's solution portfolio includes its own digital platform such as Brick & Click Retail Platform©, Modern Distribution Platform©, Rezopia Digital Travel Platform©, RAPID DevOps Platform©, Kartopia E-commerce Platform© , Halosys Mobility Platform©, and Commodity CTRM Platform©, best-in-class capabilities on ISV digital technology platforms such as Microsoft Dynamics 365, Microsoft Azure, SAP Hybris, Cloud Engineering and Managed Services, as well as new digital applications like IoT, Artificial Intelligence, Machine Learning, Robotic Process Automation, Chatbots, Block Chain and Cyber Security. Sonata's people and systems are nurtured to bring together the depth of thought leadership, customer commitment and execution excellence to make a difference to business with technology.

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