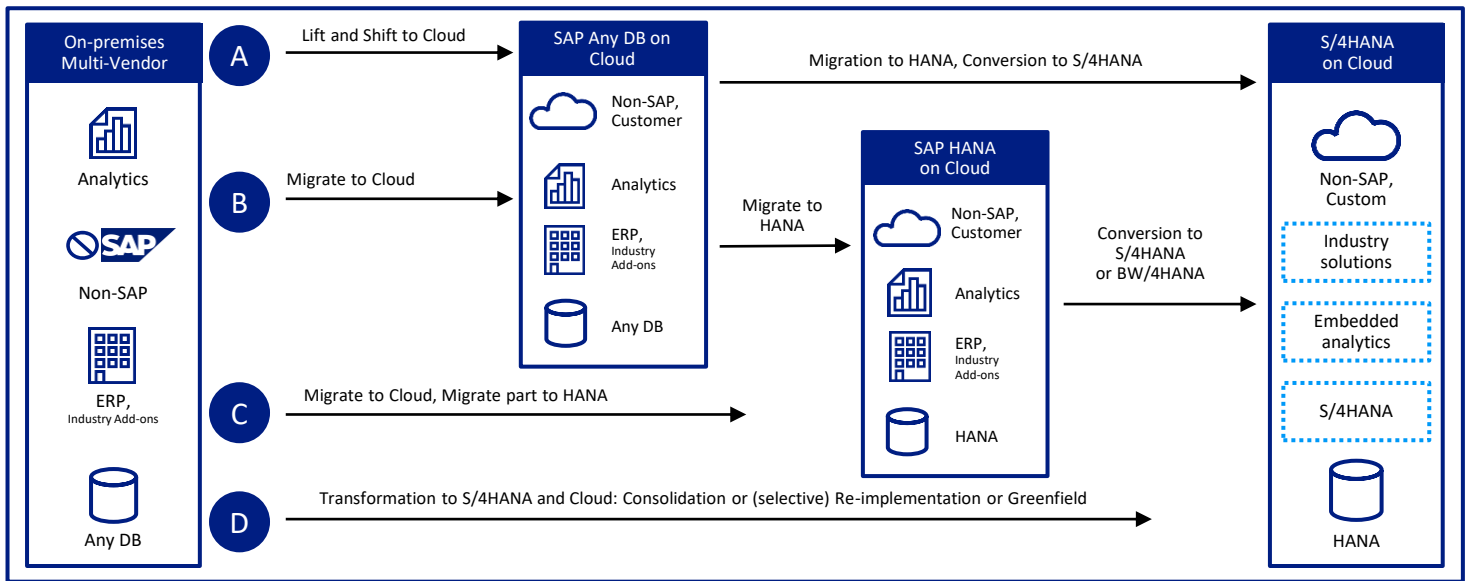# Secure SAP Transformation to Cloud and Business Insights from your SAP Data

SAP and Data Analytics on Azure

Business Outcome	Reduce Risk, Cost & Timeline	Develop Cloud Capabilities	Clear Transformation Roadmap
Enablers	Funded IT + SAP Environment Assessment	IT Transformation & People Skills Development using Microsoft Programs	Clear "As-Is ➡ To-Be" Transformation Roadmap delivered by Telstra & Celebal Tech

SAP to Cloud – Transformation Lifecycle

4 Transformation Scenarios – What do they mean?

A
- Lift & Shift SAP /non-SAP workload can opt-in cases where On-Premise setup is already on Azure supported OS and DB combination
- Start experiencing Cloud agility, flexibility and resilience
- Migrate to HANA or convert to S/4 HANA at an appropriate time

B
- Migrate SAP workload to Cloud, when there is a change in existing OS and DB combination
- Migrate to HANA or convert to S/4 HANA at an appropriate time

C
- Migrate to the cloud along with migration to HANA from any DB of SAP workload to the Cloud in one go.
- Reap benefits of SAP on Cloud and HANA immediately

D
- Leapfrog to latest and transform directly to S/4 HANA
- S4/HANA Industry solution corresponds to the customer's existing ERP solution will be implemented.
- Utilize S/4 HANA embedded analytics capability

Benefits of SAP Transformation & Analytics Strategy

- Cut Costs and Lower CAPEX
- Gain ease of accessibility for stored data
- Multiple Deployment Options
- Flexible and Interactive platform with adjustable outputs to analyse, change and identify savings
- High data security on Azure with about 25 trust certifications and exhaustive industry compliance coverage
- Higher Reliability & Scalability

Use Cases – Why?

- End of Life Hardware | Data Centre Exit
- Scalability and Availability improvement
- Avoid Data loss
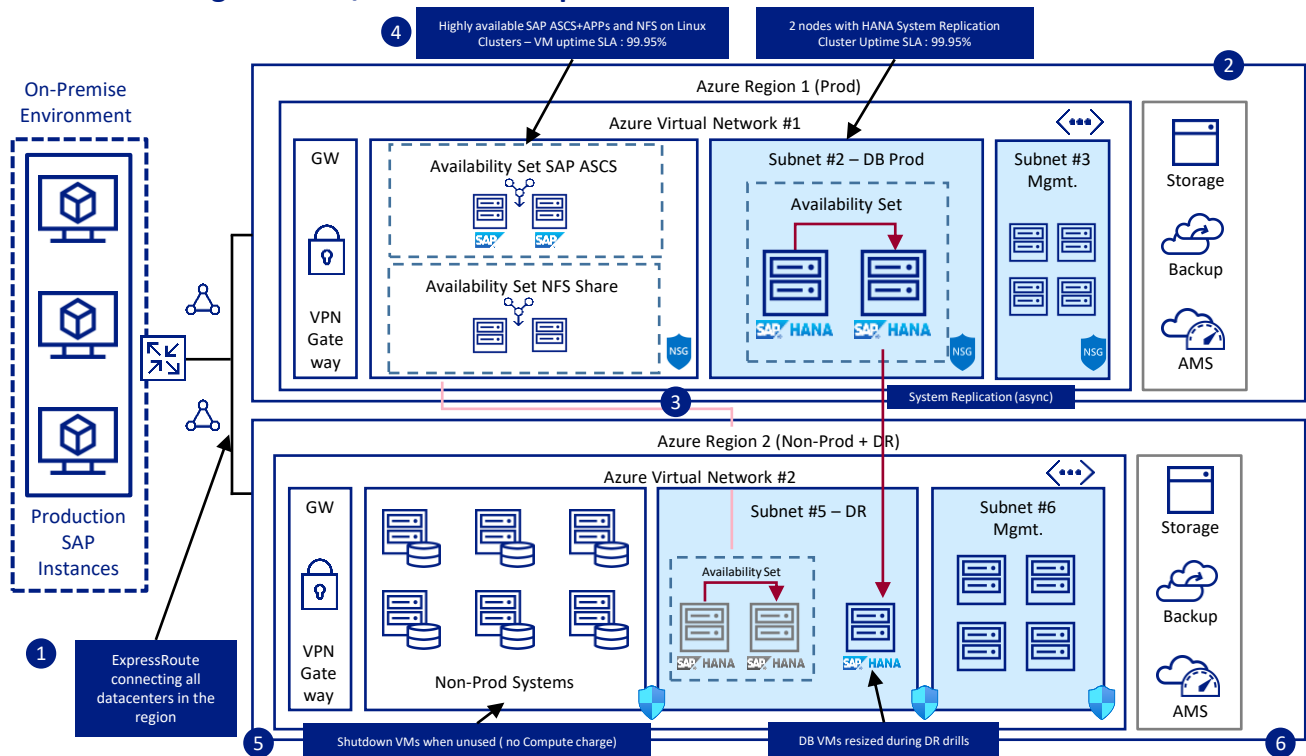- High Availability / Disaster Recovery for SAP
- High CAPEX / OPEX
- SAP Process Automation and Data Analytics

Case Study – How and Outcome?

- **Customer –** European Utilities Customer
- **Case Study –** Migration of on-premises SAP ECC landscape S/4 on Azure

Architecture Diagram of S4/HANA Landscape on Azure

| **4** Highly available SAP ASCS+APPs and NFS on Linux Clusters – VM uptime SLA : 99.95% | 2 nodes with HANA System Replication Cluster Uptime SLA : 99.95% |

Azure Region 1 (Prod)
Azure Virtual Network #1

On-Premise Environment

GW / VPN Gateway

Availability Set SAP ASCS
Availability Set NFS Share

Subnet #2 – DB Prod
Availability Set

Subnet #3 Mgmt.

Storage / Backup / AMS

2

Production SAP Instances

System Replication (async)

3

Azure Region 2 (Non-Prod + DR)
Azure Virtual Network #2

GW / VPN Gateway

Non-Prod Systems

Subnet #5 – DR
Availability Set

Subnet #6 Mgmt.

Storage / Backup / AMS

1 ExpressRoute connecting all datacenters in the region

5 Shutdown VMs when unused (no Compute charge)

DB VMs resized during DR drills

6

Challenges

- Customer wanted to enhance the process of their current ECC on-premise Landscape by migrating to S/4 on Azure
- Customer was undecided on whether to lift & shift to cloud or use some other scenario while moving to Azure
- Customer relied on day-end ETL jobs for reporting. They didn't have option to run real-time reporting or dashboards

Solution

- Based on detailed evaluation, recommended a greenfield setup on Azure
- Setup a greenfield environment on Azure and helped the customer in enhancing their current SAP on-premise landscape by migrating to S/4 on Azure
- Designed SAP role matrix based on Fiori Apps S/4HANA Embedded Analytics was implemented, using standard Virtual Data Model (VDM)   and Core Data Services (CDS)
- Decommissioned existing on-premise environment

Benefits

- Customer started to reap benefits of optimized business processes on S4/HANA system
- Enhanced business users' experience, as they move from traditional SAP GUI client to SAP Fiori browser-based   user interface, compatible with mobile devices
- Improved decision-making, forecasting and strategy execution capability since customer is now able to run real-time reports and dashboards

SAP services – for modernization

SAP & IT Estate Assessment

Cloud and SAP Landscape Design

SAP and IT Migration to Cloud

HA / DR/ Backup Design and Setup

SAP services – for innovation

Data Analytics and Reporting

Data Democratization

Business Process Automation

SAP Processes to MS Teams Integration

Proof of Value – Funded

- Jumpstart your **SAP on Azure** journey with a **Funded Proof of Value**.
- Choose one option – SAP Discovery and Assessment, Landscape Setup or Commercial Analysis and Reporting

Proof of Value 1	Proof of Value 2
SAP Discovery & Assessment	SAP Landscape Setup

Scope?

- SAP Landscape System Scan
- SAP Data Analysis
- IT Infrastructure Discovery
- Right Sizing and Pricing Analysis

Deliverables

- Geographical and hierarchical overview of the organisation
- Data Profiling by SAP module
- SAP Application Overview
- Inf. on SAP system, users, master data, workflow & SAP modules
- Right-sizing and Cloud running cost
- Estimated migration & tooling costs
- Commercial Analysis report

Scope?

- BCP Setup
- High Availability and Disaster Recovery setup
- Setup and validate backup using Azure Backup Service

Deliverables

- Fully functional landscape with BCP and HA/DR setup
- Standby landscape can have App and DB both or DB only as per requirement
- Failover and Failback Drill report along with RTO and RPO

Duration?

- 4-8 weeks (estimate)
- Dependent on
  - Environment size and complexity
  - Data collection tool duration

Resourcing?

- Cloud Specialist
- SAP Specialist
- Customer stakeholders

Pricing?

- Fixed Scope & Fixed Price
- Funded PoV

Harness your SAP Investments beyond Infrastructure

SAP Power Platform and Automation

SAP Power Platform and Automation

SAP Chatbot on MS Teams

Ready to transform your data and get some great business insights
Contact Telstra @: TelstraEnterpriseSales@team.telstra.com

Microsoft Partner	Microsoft Partner	Microsoft Singapore Partner	Microsoft Partner
Gold Cloud Platform Gold Cloud Productivity Gold Windows and Devices	Gold Application Integration Gold Application Development Gold Data Analytics Gold Data Platform Gold DevOps	2018 Partner of the Year Winner Data Estate Modernization Award 2021 Partner of the Year Winner Modern Work *Future of Work Transformation* 2019 Partner of the Year Winner OSS Azure Award	Gold Data Analytics Gold Application Integration Gold DevOps Gold Data Platform Gold Application Development Gold Cloud Platform Gold Datacenter Gold Cloud Productivity