

# **SAP on Azure – Consulting Packages Lift and Shift Assessment – 3 Days**

From Legacy to Cloud: Gain Agility, Time, and Cost-Efficiency through a future-proof SAP Cloud migration with Microsoft Azure

# SAP on Azure – Package Portfolio

## SAP on Azure Lift & Shift

- Scenarios for SAP Assessment – EWA/Manual
- Solution Architecture
- Business Case
- Technical Benefits
- Financial Benefits
- Other Benefits
- Preliminary Migration Plan

1 Day\*

## SAP + Non-SAP Lift & Shift on Azure

- Scenarios for SAP and Non-SAP –Assessment EWA/Manual + MAP tool/Azure Migrate
- Solution Architecture
- Business Case
- Technical Benefits
- Financial Benefits
- Other Benefits
- Migration Plan

3 Days\*

## SAP and Non- SAP Landscape Assessment and Workshop

- Scenarios for SAP and Non-SAP –Assessment EWA/Manual + MAP tool/Azure Migrate
- Solution Architecture
- Business Case
- Technical Benefits
- Financial Benefits
- Other Benefits
- Detail Migration Plan

5 Days\* - \$ 2500

## SAP S/4HANA on Azure - Workshop

- Sizing of SAP S/4 HANA
- Solution Architecture
- Business Case
- Technical Benefits
- Financial Benefits
- Other Benefits
- Detail deployment Plan

7 Days\* - \$ 2500

## SAP S/4HANA Conversion on Azure - Workshop

- S/4HANA Assessment
- SAP Readiness Check
- Custom code remedy
- Sizing of SAP S/4 HANA
- Business Case
- Technical Benefits
- Financial Benefits
- Other Benefits
- Detail Conversion Plan

20 Days\* - \$ 15000

Assessment

Proof of Concept and Deployment

## SAP (AnyDB to HANA) on Azure - Lift & Migrate Assessment

- EWA/Manual
- HANA Sizing – Best Practice
- Solution Architecture
- Business Case
- Technical Benefits
- Financial Benefits
- Other Benefits
- Detailed Migration Plan

7 Days\*

## SAP on SAP S/4HANA Conversion on Azure - Assessment

- S/4HANA Assessment
- SAP Readiness Check
- Sizing of SAP S/4 HANA
- Business Case
- Technical Benefits
- Financial Benefits
- Other Benefits
- Detail Conversion Plan
- S/4HANA on Azure – Auto deployment

10 Days\* \$ 7500

## SAP and Non-SAP Assessment - POC

- Include 3 Days Assessment
- Target current landscape as per SAP Best Practices
- SAP and Non-SAP Landscape Provisioning - Pilot
- Auto Deployment of Migration-for POC
- Acceptance of POC and testing

7 Days\* \$ 7500

## SAP on Azure POC

- Include 3 Days Assessment
- Target current landscape as per SAP Best Practices
- SAP Landscape Provisioning -Pilot
- Auto Deployment of Migration-for POC
- Acceptance of POC and testing

7 Days\* \$ 5000

## SAP on Azure – Auto Deployment

- Assessment +Deployment Primary “SAP Certified Series” - VM, Storage, Networks, Security
- Deploy – Azure Site Recovery, SAP tools, Network Setup - S2S, ExpressRoute, SAP tools
- Backup – recovery point
- DR Setup – RTO & RPO
- Performance testing

30 Days\* \$ 20000

# Assessment Activities

## SAP BELIEF AUDIT AND CLOUD ASSESSMENT



- SAP Strategy Development
- SAP Landscape Audit – EWA Report
- SAP HANA Sizing (AnyDB)
- Assessment and Planning Tool – SAP Environment
- Availability & disaster recovery – RTO, RPO, and Backup
- Global and Regional Data Security Assessment
- S/4HANA Assessment – Custom Code Remedy and Function Enhancement Value Chain

## SAP ENVIRONMENT - DESIGN AND SIZING



- Key considerations
- SAP and Non-SAP Architecture and Solution Design
- Business Case & Cost Optimization based on the current cost analysis
- Migration Strategy and Execution Plan –
  - Brownfield (AnyDB and SoH)
    - Lift & Shift – AnyDB, SoH, and S/HANA
    - Lift and Migrate - AnyDB, SoH
    - Lift & Shift/Migrate to HANA - AnyDB, SoH
  - Greenfield
    - S/4HANA Transformation
- Business Continuity
  - DRaaS
  - Backup
  - HANA System Replication
- Integration Touch Points
  - SAP and NON-SAP Cloud Solution Integration – consideration
- Security
  - Identity Access Management
  - Single Sign-On – via Active Directory
  - Firewall and End Point Protection, Etc.

# Assessment Activities

## SAP ON AZURE – POC

- POC – Scope and Goal
- SAP Landscape Provisioning – Pilot
- Execution of Pilot Migration
- Post Migration Procedures
- Performance Testing

## MIGRATION AND DEPLOYMENT OF SAP ON AZURE



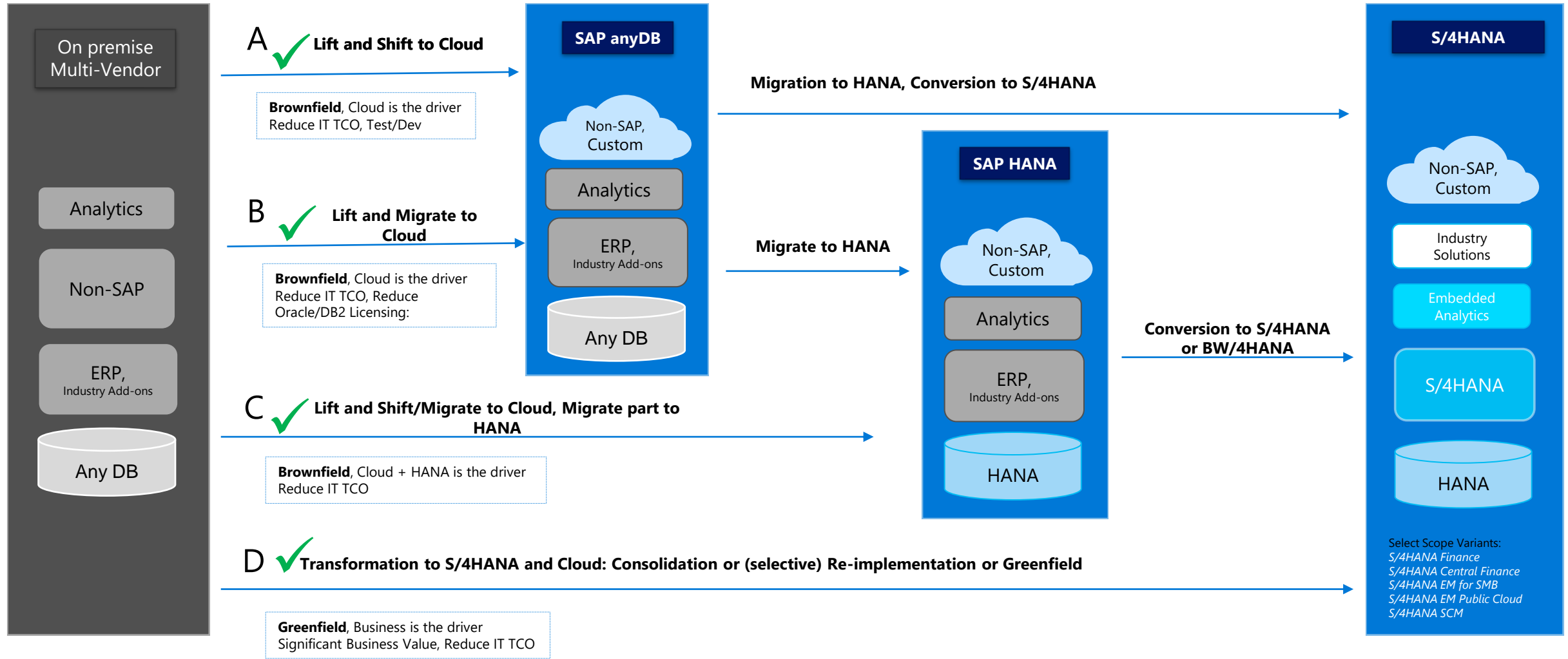
- Detailed Migration Strategy
- SAP Environment Deployment
- Primary and Secondary – “SAP Certified Series” - VM, Storage, Networks, Security
- DR Setup – RTO & RPO
- Backup – recovery point
- Optional – PaaS – Application and Database Modernization
- Execution of Migration – Azure Site Recovery, Network Setup - S2S, ExpressRoute
- Post Migration Procedures
- Performance testing and Evaluation

## MANAGED SERVICES & OPERATIONS



- Infrastructure management. Maintenance and Operations Support
- 24x 7 SAP Basis and AMS services
- Fixed cost approach
- Environment – Modernization – DevOps Automation, Power Apps
- Application Platform – AI, RPA, IoT, Analytics and Machine Learning usage for Innovative Projects.

# SAP on Azure – Roadmap for SAP ERP





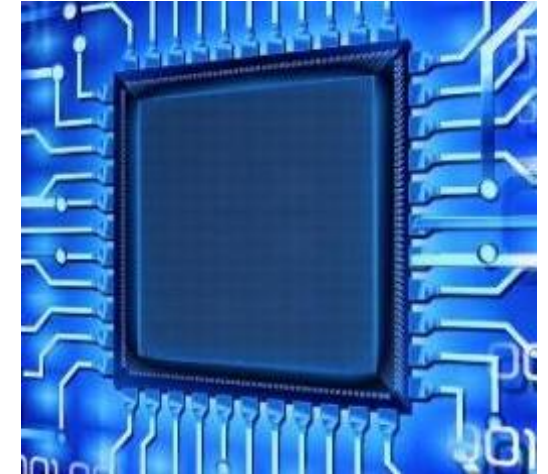
# SAP Customer - Challenges

Challenges

SAP infrastructure is **expensive** and require **3-5 years commitment**



**Other technologies** are needed to complement SAP with Big Data Analysis etc



SAP sizing is difficult and customers realize it's **oversized** after rollout

**Dev/Test/QA** busy during implementation however get idle after rollout, then suddenly QA urgently needed for trouble shooting



SAP customers cannot afford having a second datacenter for **disaster recovery** and tend to rely on old-style tape backup

# Lesson Learned - SAP on Azure

## Assess

- Understand suitability and migration efforts
- Clean out your closet.
- Ensure that you don't overprovision your virtual machines.
- Determine Azure region strategy before moving.



## Migrate

- Consider moving low-risk systems to the cloud with the vertical strategy right away
- Consider building new systems in the cloud from the start.
- Understand migration strategies and how they can be best applied to your environment
- Predict known business events



## Optimize

- Consider optimising your SAP environment before and after moving to Azure
- Design for high availability in your production systems
- Snooze so you don't lose

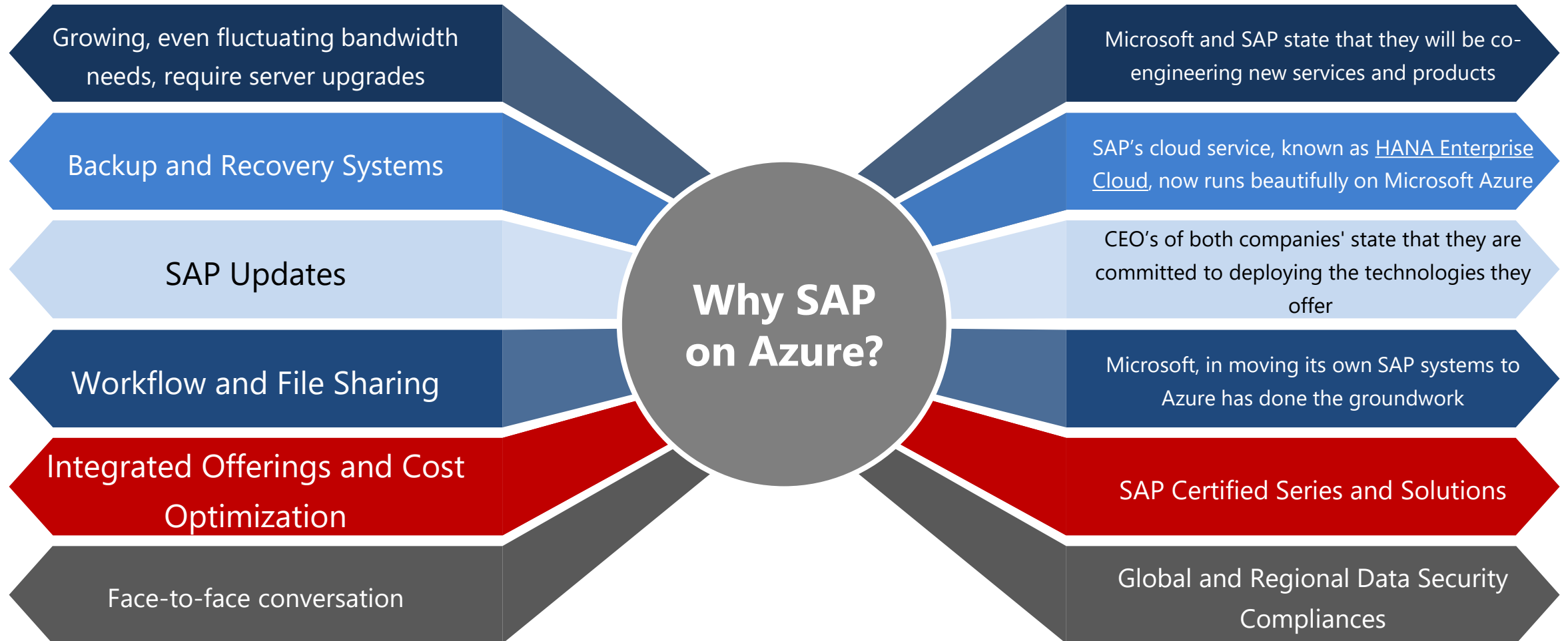


## Security & Compliance

- Always keep security in mind
- Balance security needs with the ability to troubleshoot
- Capture all application and data legal requirements during planning.

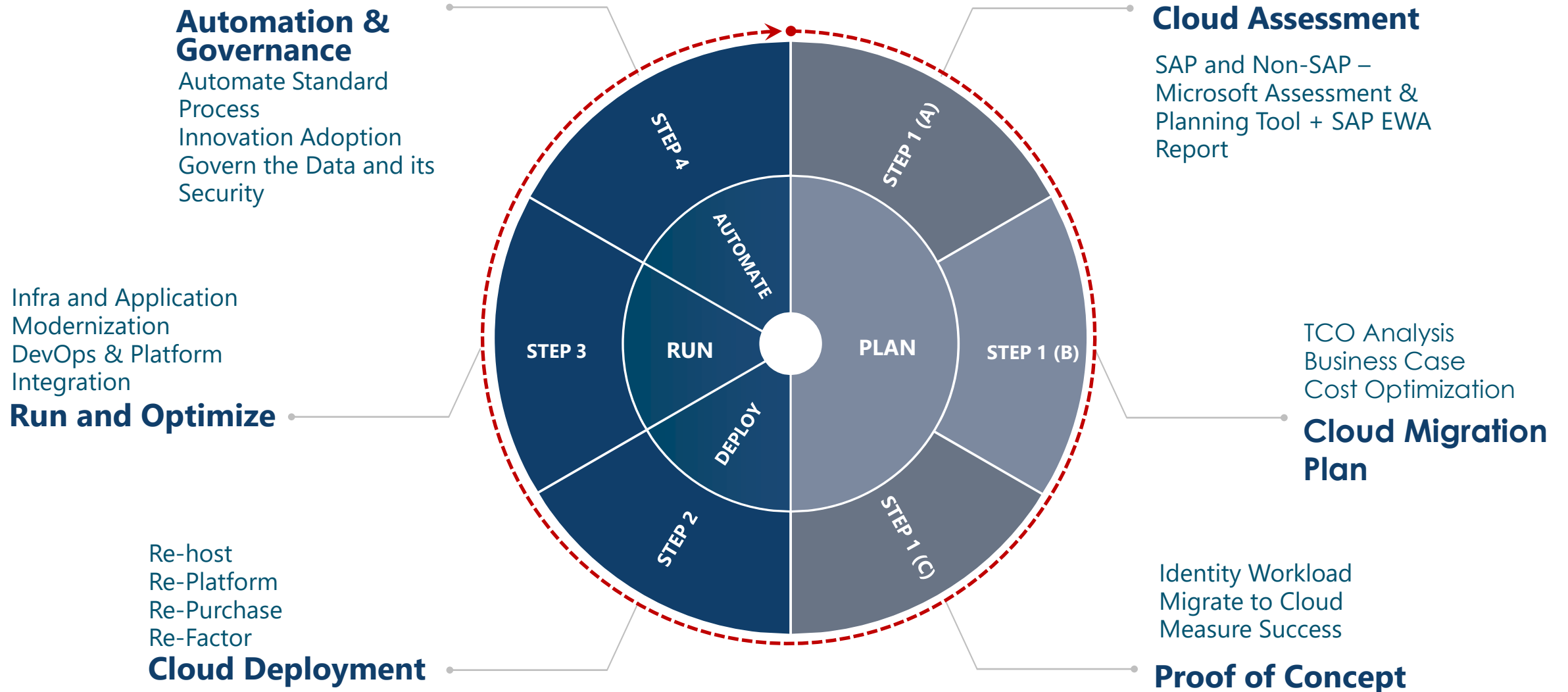


# Why SAP on Azure?

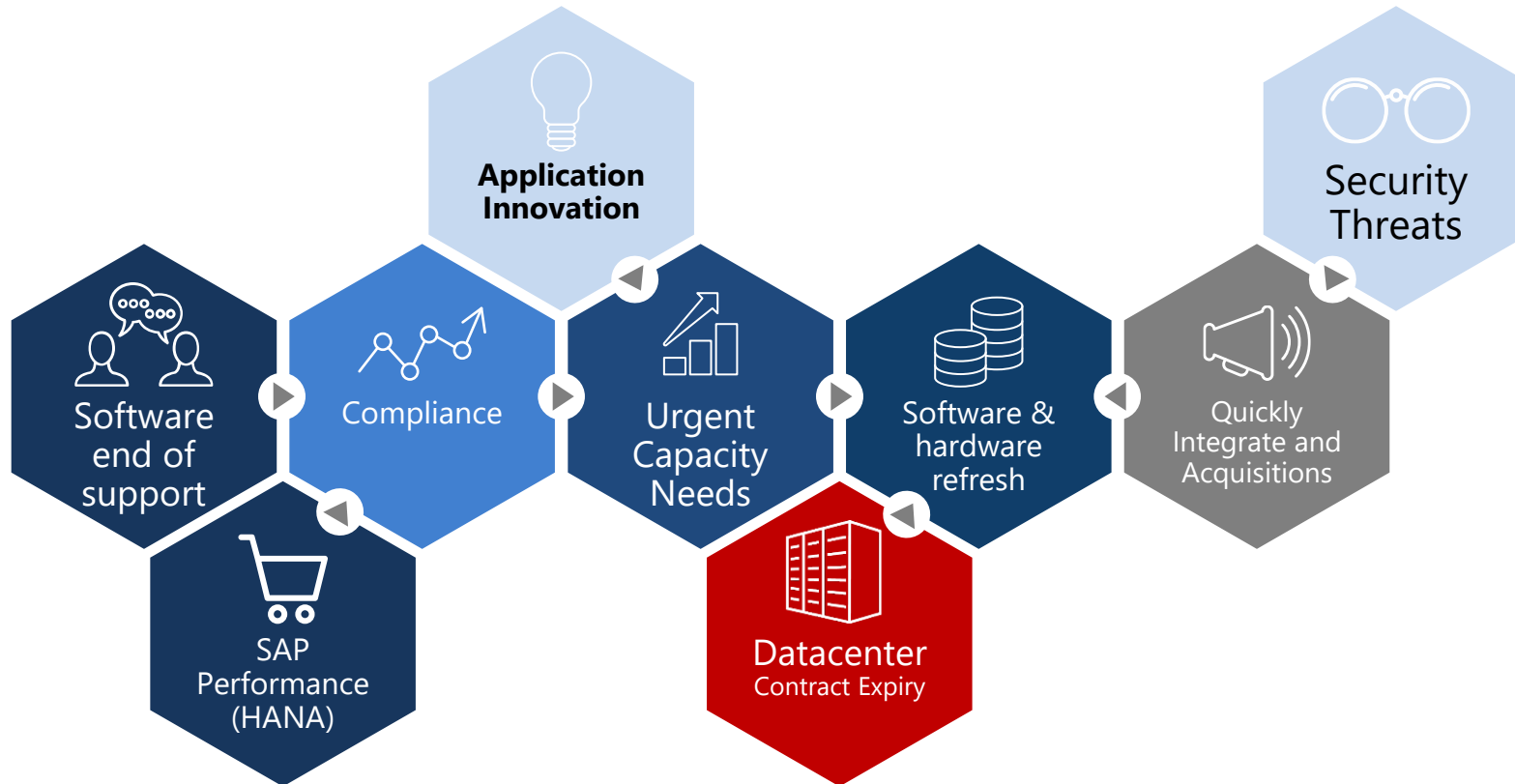




# SAP on Cloud Journey Plan



# Why Assessment?



# SAP on Azure – Auto Deployment

Instant – SAP on Azure – Scenario's - 132



In-Process  
Microsoft Azure  
Marketplace

Inputs	Value	Description	Computer	Value2
Deployment name	s41_hsr	Deployment name in Tool unique for each customer	Scenario	132
Production	No	Production or Non production enviroment	Scenario	132
Workload	SOH	OLAP or OLTP	Scenario	132
Version	HANA2.0 SPS2	HANA software version	Scenario	132
HANA memory	256 GB-Up	Memory of HANA in- memory database	Scenario	132
SBD Deployment ID	256 GB-Up	Deployment name of STON	Scenario	132
High availability	16T8-Out	NA cluster HA standby s	Scenario	132
SID	20T8-Out	System ID of HANA Instanc	Scenario	132
Instance number	22T8-Out	Instance number of HANA I	Scenario	132
HANA password	24T8-Out	NA Database password	Scenario	132
Operating system	26T8-Out	Server Operating system	Scenario	132
Hostname template	28T8-Out		Scenario	132
DNS name for VIP			Scenario	132
Server root password	*****		Scenario	132
Azure Key Vault Resource	*****		Scenario	132
Azure Key Vault Secret Name	*****		Scenario	132
SSH Public Key	*****		Scenario	132
Timezone	UTC		Scenario	132
HA Cluster Name	hacluster		Scenario	132
HA Cluster password			Scenario	132
HANA Sync Username	hsrsync		Scenario	132
HANA Sync Password			Scenario	132
HANA Primary site Name	Site 1		Scenario	132
HANA Rplication Site Name	Site2		Scenario	132
HANA Replication Mode	sync		Scenario	132
HANA Replication Operation Moclogreplay			Scenario	132

SAP on Azure  
Workshop

SAP Application Level - SLA

# USE CASE

## Customer:

- One of the Biggest Agro Food Business Company

## Industry:

- Agro – FMCG

## Size

- 3000 employees

## Region

- North Africa

## Products and services:

- SAP ECC6 on Azure
- Azure IOT
- Azure Functions & AKS
- PowerBI



“With SAP on Azure, we’ve reduced supply chain cost by 18 percent with a real-time actionable intelligence via IOT services for 80,000 farmers, but we’ve also shifted to a more powerful, flexible, and reliable environment with experts working for us on the back end.”

CIO - Testimonials

### Situation:

We have about 80,000 farmers and struggling with the contract farming to keep track of the supply chain operations and farmers payout cycle of 4-6 weeks after goods receipt. It’s a big problem for operation efficiency point of view to full fill the demand.

### Solution:

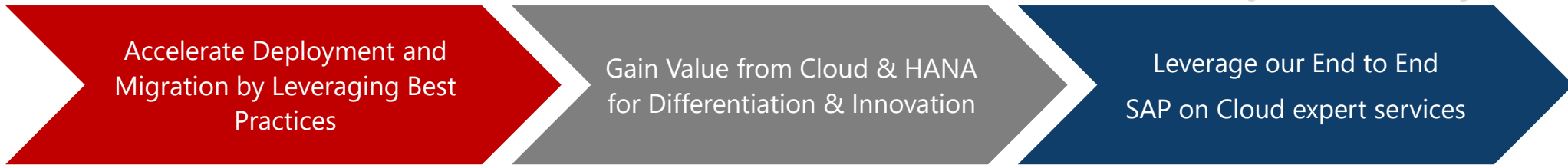
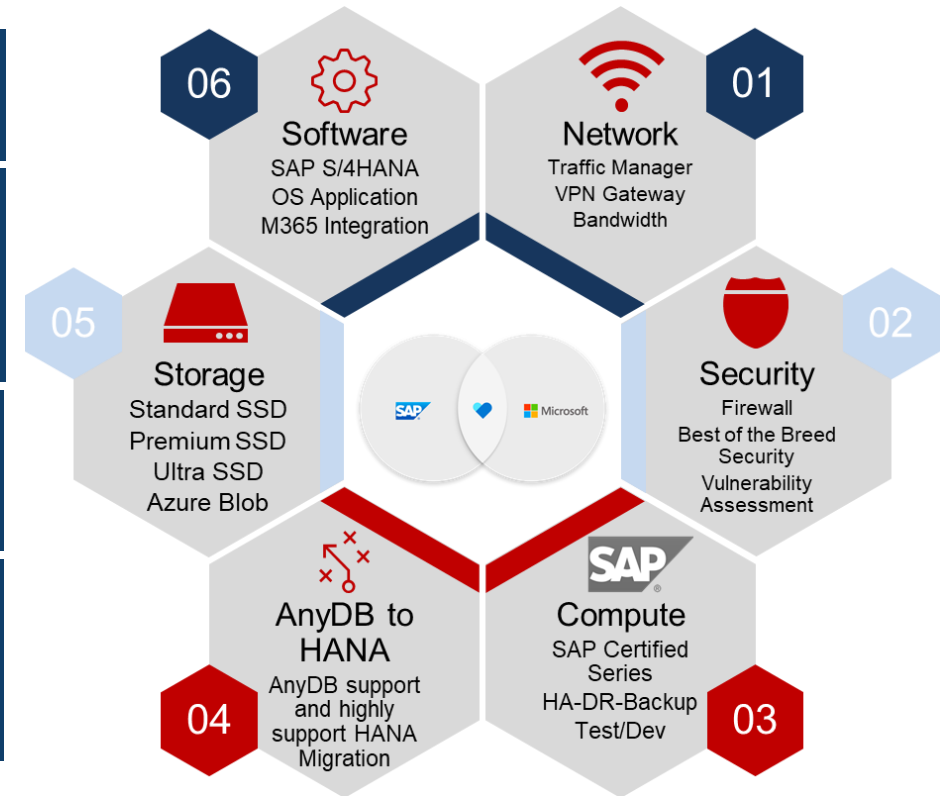
With SAP ECC6 on Microsoft Azure, moved critical workloads such as ERP, sales and distribution, and finance to the cloud and extended our integration with the help of AKS + IOT Services to keep track of farmer reach out process and supply efficiency.

### Impact:

By moving to SAP on Azure, we saved in hardware, lowered operational costs 22 percent, reduced IT complexity and enhance the farmers supply chain operation cost by 18% with real-time actionable information and farmers gets their payout now in 2-3 days earlier it was 4-6 weeks

# BRAMS – SAP on Azure Practice at a Glance

End-to-End SAP Services Provider & SAP Partner	70+ Customers Worldwide (APAC and EMEA)	100+ SAP/Azure Practice Team Members
Rapid Deployment Solutions: S/4HANA , SuccessFactors, Business Intelligence & Analytics	Prepackaged Industry Solutions: Consumer, Manufacturing, EC&O Healthcare, Retail	
Technology Solutions: HANA, SAP Cloud Platform & Integration	11 Years Cloud Experience – Think Cloud with us	
Brams Fusion methodology based on SAP's Activate to accelerate time to value	SAP core focus: Implementations, System Integrations, Upgrades, AMS, & Testing Services	





**SysOps**

- Virtual Instances – OS [Windows, Linux]
- Containers – Dockers & Kubernetes on VM, AKS and Azure Native Services, Big Data Platform Storage

**CloudOps**

- Azure Cloud Platform Management
- IaaS as a Code
- Performance Optimization
- Automation & Monitoring and Service Management & Governance

**Compliance**

- PCCIDSS
- NEESA
- SAMA
- GDPR
- FedRamp, MSA, IRAP

**Applications**

- SAP Solutions Stack
- Microsoft Dynamics
- Oracle
- Custom Apps
- Etc.

**Database Management**

- Azure PaaS [MS SQL, MySQL, CosmosDB, SAP HANA, SAP ASE, MaxDB, DB2]
- Open Source DB Migration & Management

**DevOps/Automation**

- Terraform
- Ansible
- Azure Automation

**Networks**

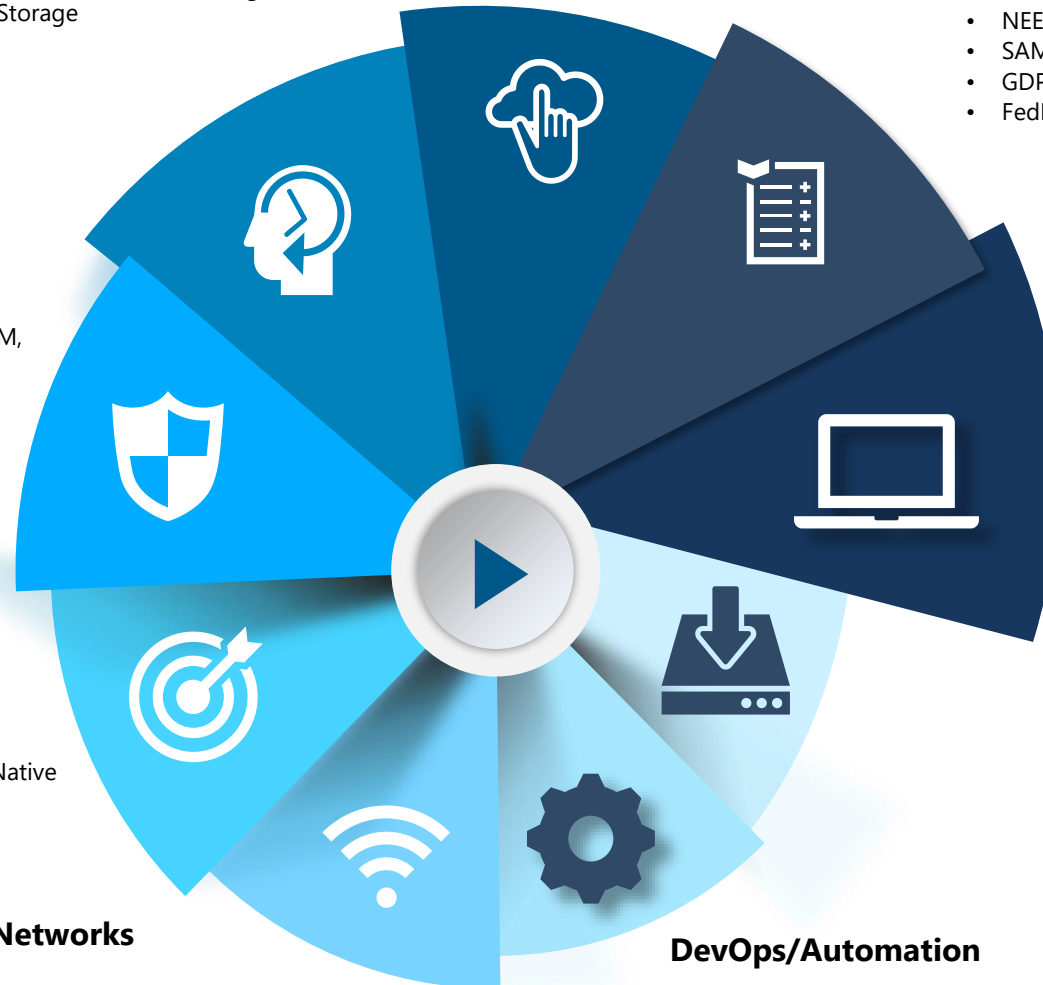
- Cloud Native – Firewall, Load Balancer, VPN Gateway, Express Route, OEM Apps- Fortinet, Cisco, F5, Palo Alto, Barracudda

**Security**

- Azure Native + 3<sup>rd</sup> Party(SIEM, PIM, DAM, HBSS, VA, PT, Encryptions), Containers- Falcom, SECCOM, Apparmor, Achore engine

**Business Continuity**

- Disaster Recovery
- Backup
- ASR, Cloudendure, Veeam, HSR, DB Native replication



# SAP on Azure – Package Comparison

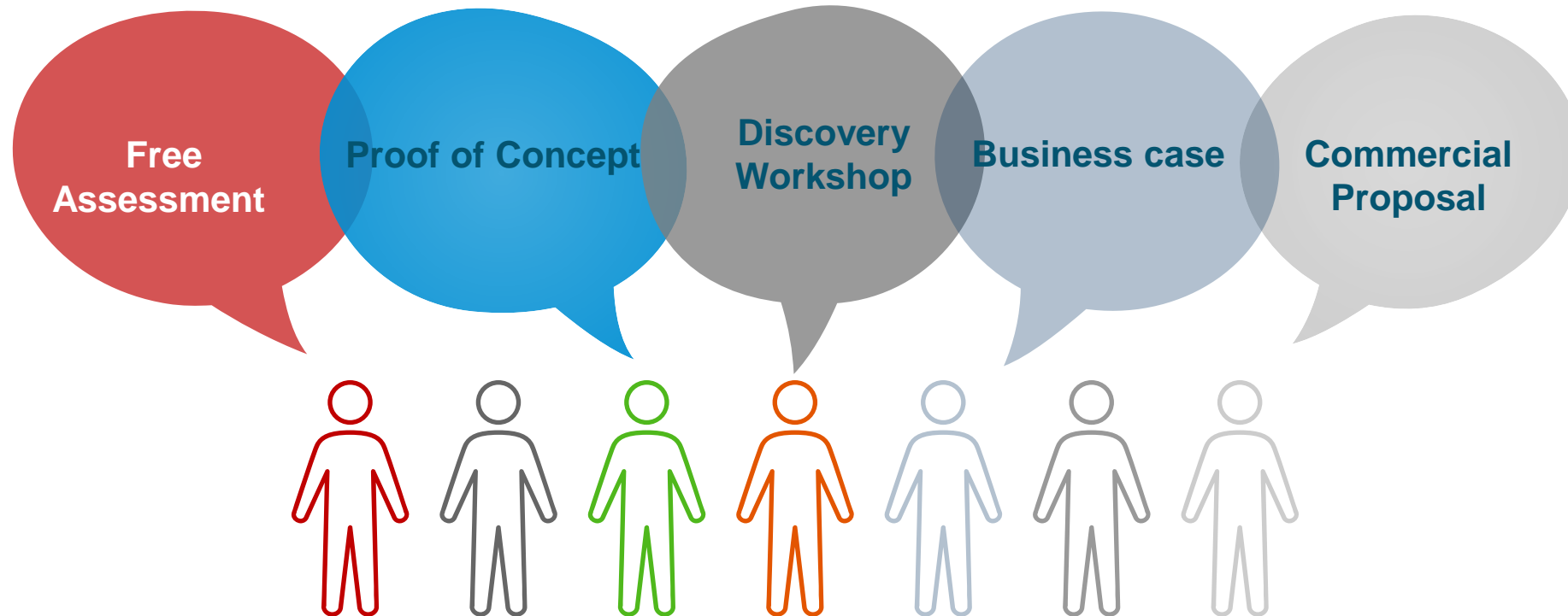
Scenario	Packages	Deliverables	Assessment	Proof of Concept Workshop	Deployment
Lift and Shift to Cloud	SAP Lift & Shift on Azure – Assessment <b>1 day –Free</b>	EWA or Manual Assessment for Landscape of SAP	✓		
		SAP Architecture and Solution Design	✓		
		Business Case & Cost Optimization based on the current cost analysis	✓		
		Identifying Primary and Secondary – “SAP Certified Series” - VM, Storage, Networks, Security	✓		
		Based on Sizing and assessment propose BOQ and Executive presentation	✓		
	(SAP and Non- SAP) Lift & Shift on Azure – Assessment <b>3 days-Free</b>	<b>SAP Lift &amp; Shift – Assessment (1 Day)</b> + Non-SAP Assessment via MAP tool/Azure Migrate – Azure Readiness Plan, Server Consolidation, Microsoft EOS License report, Database report etc.	✓		
Lift and Shift/migrate to Cloud	SAP and Non- SAP Landscape Assessment and Workshop <b>7 days - \$ 2500</b>	<b>SAP and Non- SAP lift &amp; Shift Assessment – 3 Days</b> + Performance Metrics, Database Discovery recommendations + Desktop Virtualization + Web Application etc.	✓	✓	
		Detailed Migration Strategy and detailed architecture on Azure Non-Critical Workload – POC as per agreed goal	✓	✓	
	SAP on Azure Deployment <b>30 days - \$ 20000</b>	<b>SAP and Non-SAP Assessment (7 Days)</b> + Critical and Non-Critical Workload – Auto Deployment based on the pre-defined scripts	✓		✓
		Deployment Primary “SAP Certified Series” - VM, Storage, Networks, Security using Brams Automated tool	✓		✓
		Backup – recovery point	✓		✓
		DR Setup – RTO & RPO	✓		✓
		Performance testing and Evaluation	✓		✓
		Post Migration Procedures	✓		✓
		Optional – PaaS – Application and Database Modernization	✓		✓
	SAP on Azure POC <b>7 days - \$ 5000</b>	<b>SAP and Non- SAP lift &amp; Shift Assessment – 3 Days</b>	✓	✓	
		POC – Scope and Goal, SAP Landscape Provisioning –Pilot	✓	✓	
		Execution of Migration-for POC	✓	✓	
		Acceptance of POC and testing	✓	✓	
	SAP and Non-SAP Landscape Assessment – POC <b>7 days - \$ 7500</b>	<b>SAP and Non- SAP lift &amp; Shift Assessment – 3 Days</b> SAP on Azure on POC + Non-SAP landscape on Azure POC	✓	✓	

# SAP on Azure – Package Comparison

Scenario	Packages	Deliverables	Assessment	Proof of Concept Workshop	Deployment
Lift and Shift/Migrate to Cloud, Migrate part to HANA	SAP (Any DB to HANA) on Azure - Lift & Migrate Assessment <b>7 Days – Free</b>	SAP EWA or Manual Assessment for Landscape	✓		
		SAP HANA Sizing Workshop	✓		
		SAP Architecture Design and OS/DB Migration Plan	✓		
		Migration Strategy for AnyDB to HANA along with Azure BOQ	✓		
		Cost Optimization based on the current cost analysis	✓		
		HANA Replication Assessment	✓		
		SAP and HANA DR Strategy	✓		
Transformation on S/4 HANA, Conversion of S/4 HANA	SAP S/4HANA Conversion on Azure - Assessment <b>7 Days - \$ 7500</b>	EWA/Manual Assessment for Landscape on SAP	✓		
		S/4HANA Assessment –SAP Readiness check, Custom Code Remedy and Function Enhancement Value Chain	✓		
		Detail Architecture of S/4 HANA Landscape, SAP Business Scenario Recommendation	✓		
		Sizing report of S/4HANA	✓		
	SAP S/4HANA on Azure (Greenfield/Bluefield) - Workshop <b>7 Days - \$ 2500</b>	Detail Architecture of Green field/ In case of Blue field Assessment and Architecture as per customer's requirement	✓	✓	
		Sizing report of S/4HANA, Detail architecture of SAP S/4 HANA on Azure	✓	✓	
		SAP Fiori Installation recommended apps selection	✓	✓	
		Deployment Plan along with Azure BOQ	✓	✓	
	SAP S/4HANA Conversion on Azure – Workshop <b>20 Days \$ 15000</b>	S/4 Hana Assessment – S/4 HANA Readiness Check, Custom Code Remedy and Functional Enhancement recommendation	✓	✓	
		Detail Architecture of S/4 HANA on Azure, SAP Business Scenario Recommendation Detail Downtime optimization approach, VM series recommendation for S/4 HANA	✓	✓	
		S/4 HANA conversion -- Utilize trial system to gain confidence -- Charges apply	✓	✓	
		System conversion - mock conversion to understand full impact --Charges apply	✓	✓	

# We are more than Happy to Help you

## Questions & Answers



**Please claim your free workshop at [sap@brams.com](mailto:sap@brams.com)**



# Thank you

**Sandeep Mahindra**  
SAP on Azure Specialist  
sap@brams.com  
+971 4 432 90 81



2000

year founded



2009

cloud-first



8

locations



1500+

customers

Dubai

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Paris

Geneva

Casablanca

Algiers

Ahmedabad

Abidjan