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SAP on Azure – Consulting Packages
SAP on Azure - Auto Deployment

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

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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

- 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

- 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

Free Paid * Duration

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.

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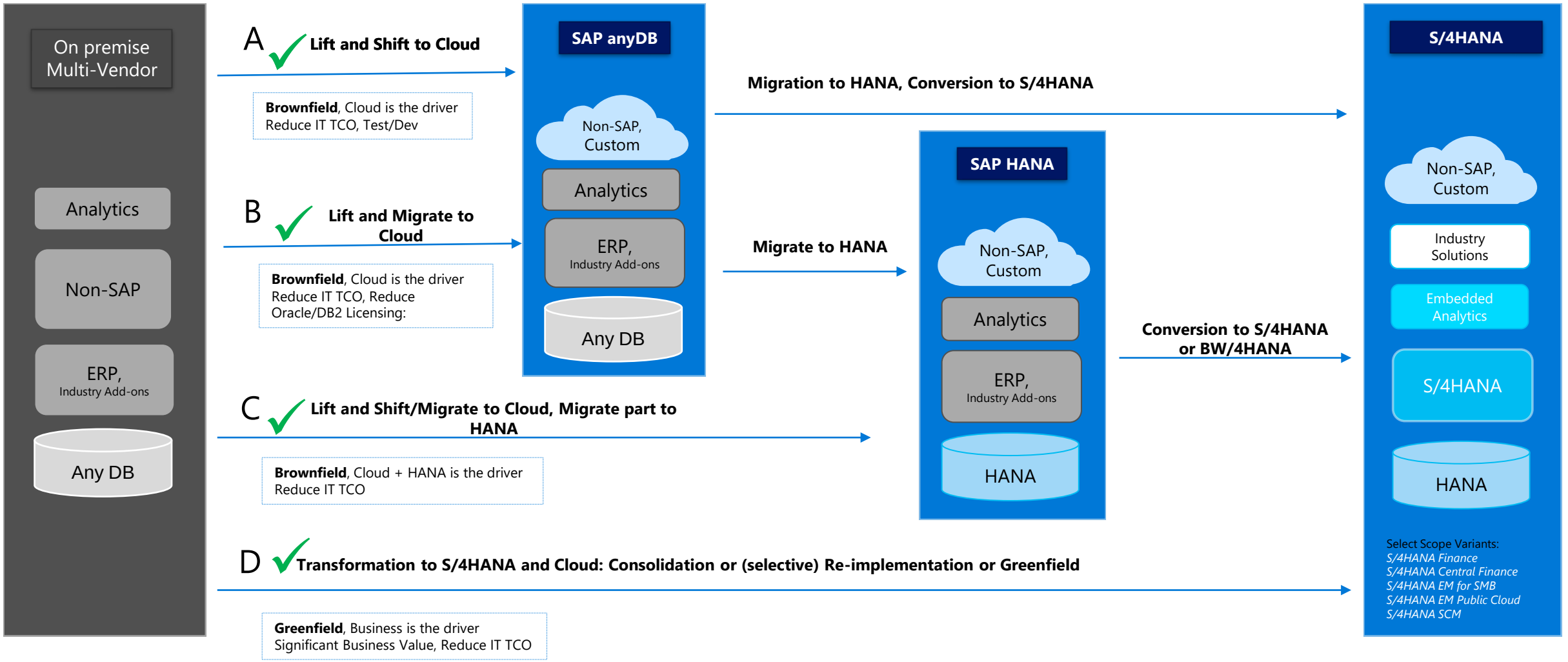
SAP on Azure – Roadmap for SAP ERP

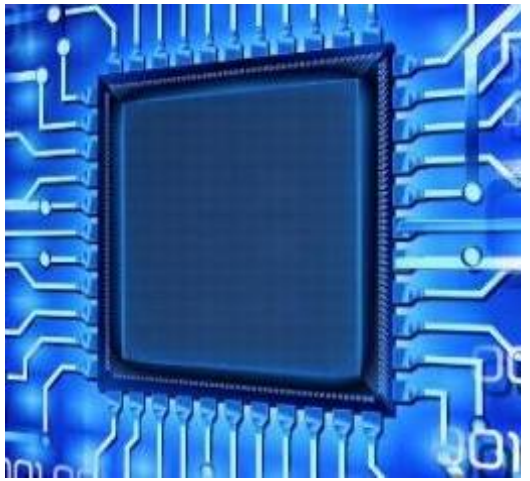


SAP Customer - Challenges

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

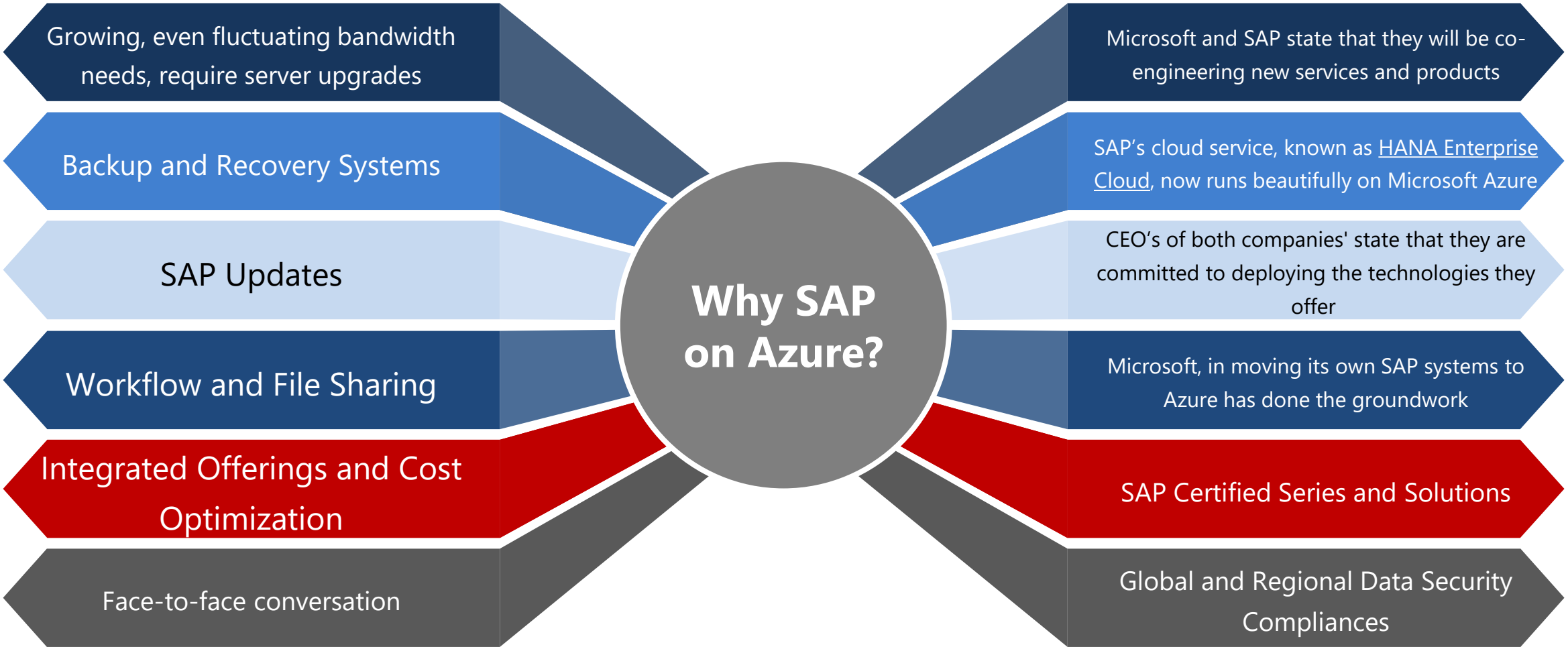
Optimize

- 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

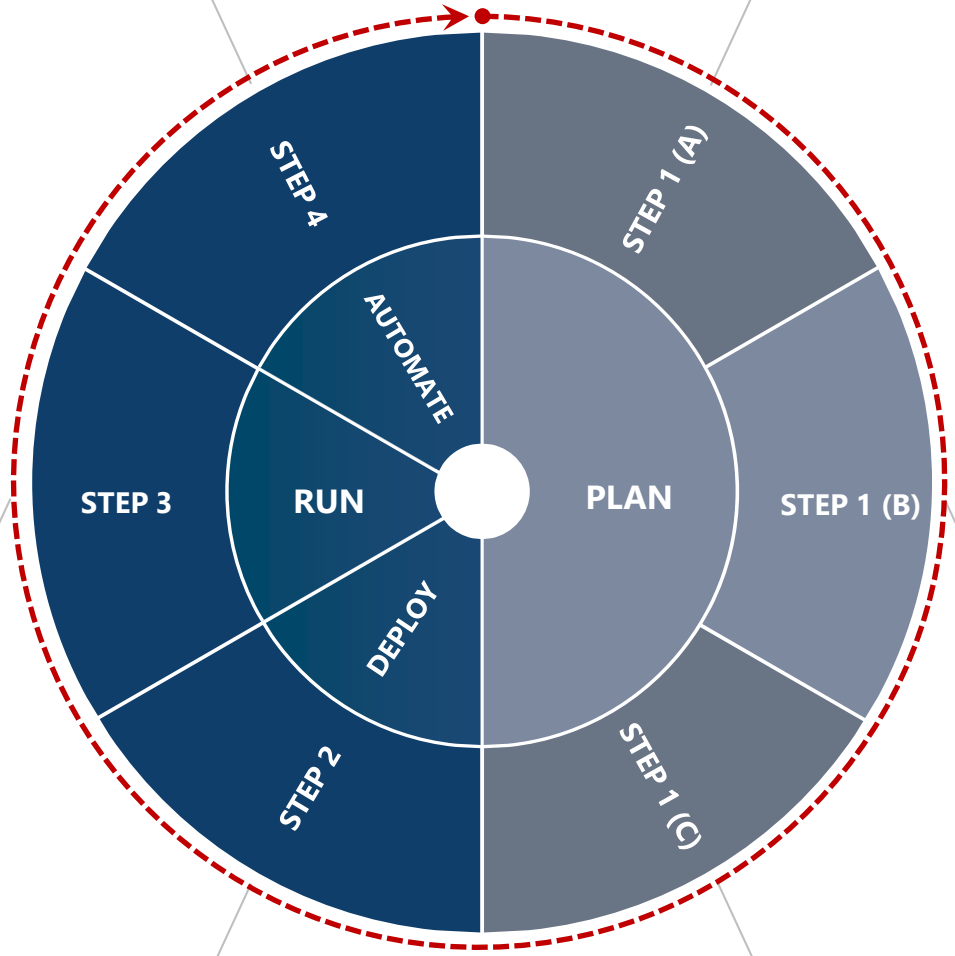
Security & Compliance

- 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



Automation & Governance
Automate Standard Process
Innovation Adoption
Govern the Data and its Security

Cloud Assessment
SAP and Non-SAP – Microsoft Assessment & Planning Tool + SAP EWA Report

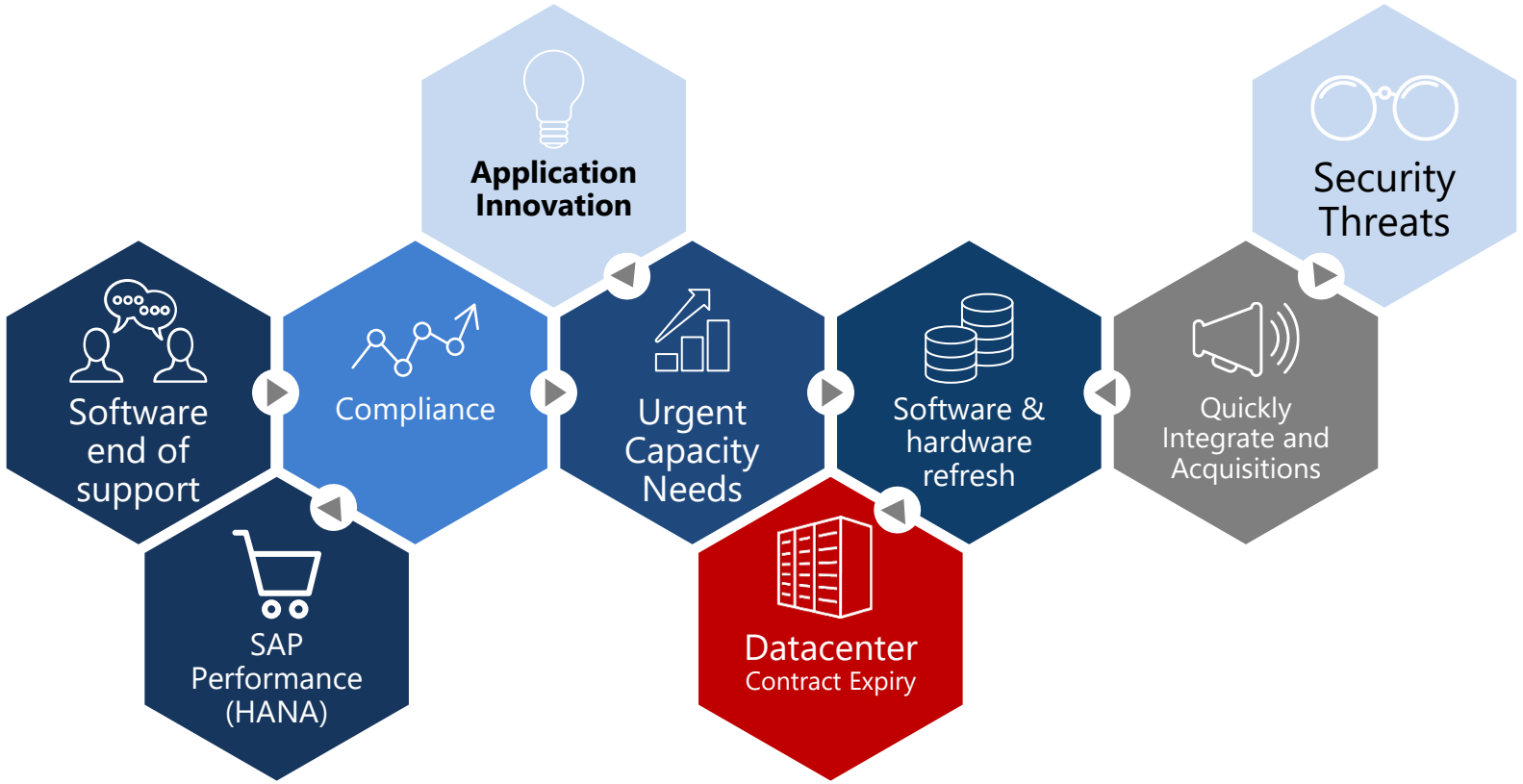
Infra and Application Modernization
DevOps & Platform Integration
Run and Optimize

TCO Analysis
Business Case
Cost Optimization
Cloud Migration Plan

Re-host
Re-Platform
Re-Purchase
Re-Factor
Cloud Deployment

Identity Workload
Migrate to Cloud
Measure Success
Proof of Concept

Why Assessment?



Available on Microsoft Azure Marketplace

SAP on Azure – Auto Deployment

Instant – SAP on Azure – Scenario's - 132

Terraform

ANSIBLE

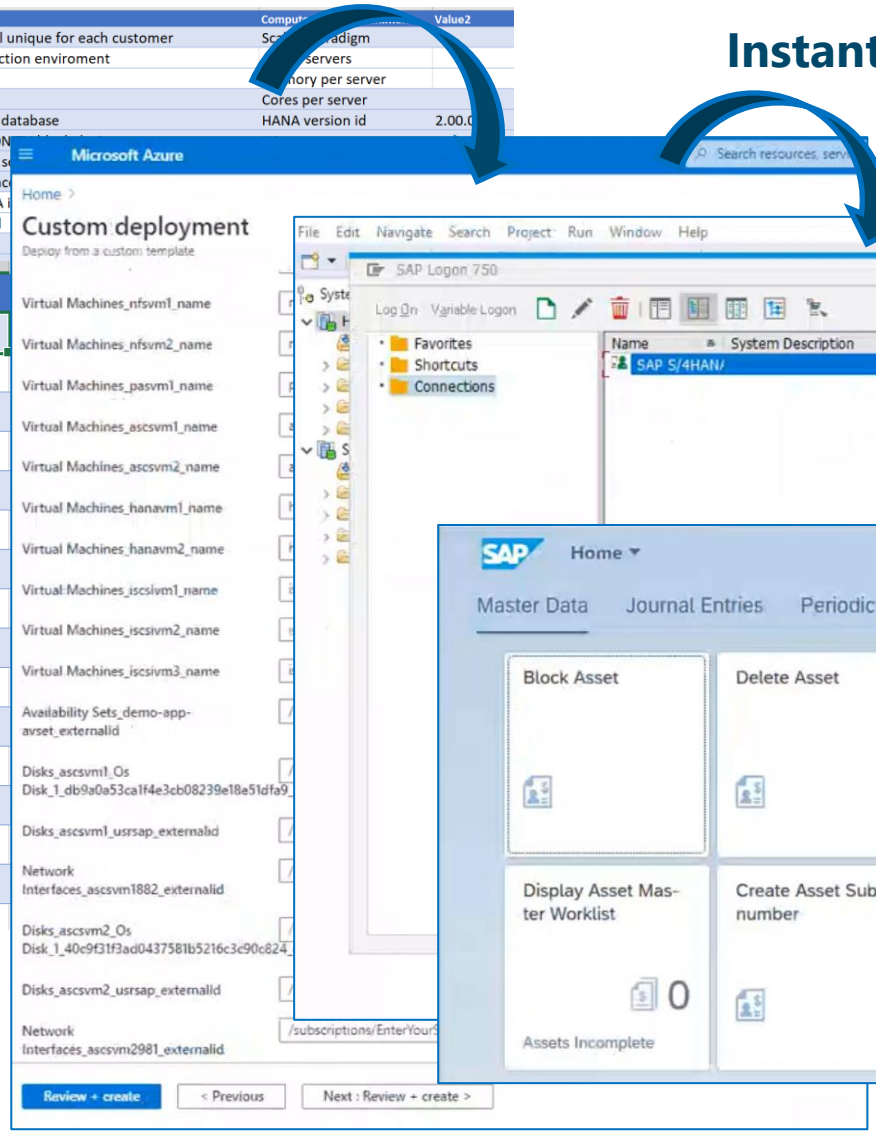
In-Process
Microsoft Azure Marketplace

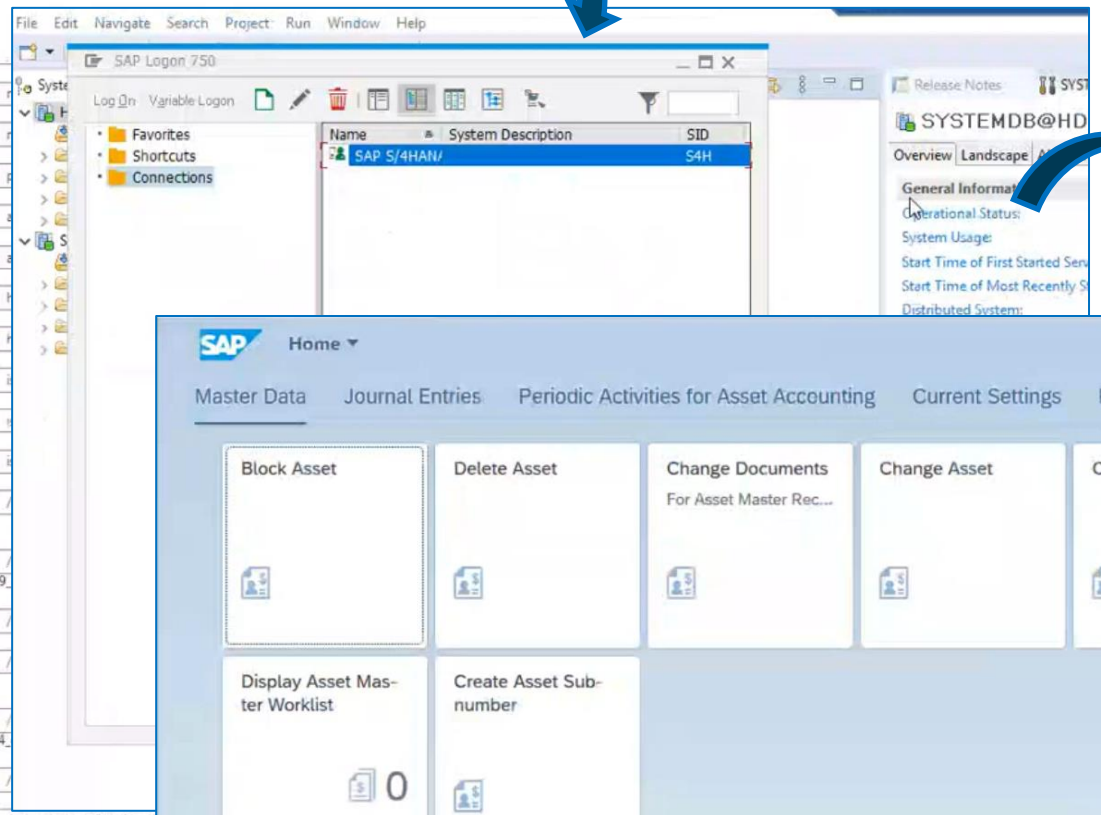
Inputs	Value	Description
Deployment name	s41_hsr	Deployment name in Tool unique for each customer
Production	No	Production or Non production enviroment
Workload	SOH	OLAP or OLTP
Version	HANA2.0 SPS2	HANA software version
HANA memory	256 GB-Up	e of HANA in- memory database
SBD Deployment ID		
High availability		
SID		
Instance number		
HANA password		
Operating system	SLES 12 SP3	Server Operating system
Hostname template		
DNS name for VIP		
Server root password	**********	
Azure Key Vault Resource	**********	
Azure Key Vault Secret Name	**********	
SSH Public Key	**********	
Timezone	UTC	
HA Cluster Name	hacluster	
HA Cluster password		
HANA Sync Username	hsrsync	
HANA Sync Password		
HANA Primary site Name	Site 1	
HANA Rplication Site Name	Site2	
HANA Replication Mode	sync	
HANA Replication Operation Mod	logreplay	

256 GB-Up
16TiB-Out
18TiB-Out
20TiB-Out
22TiB-Out
24TiB-Out
26TiB-Out
28TiB-Out

Library-Name | Customer Info | NetWeaver

	S.No
1	
2	1
3	2
4	3
5	4
6	5
7	6
8	7
9	8
10	9
11	10
12	11
13	12
14	13
15	14
16	15
17	16





SAP on Azure Workshop

SAP Application Level - SLA

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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

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"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

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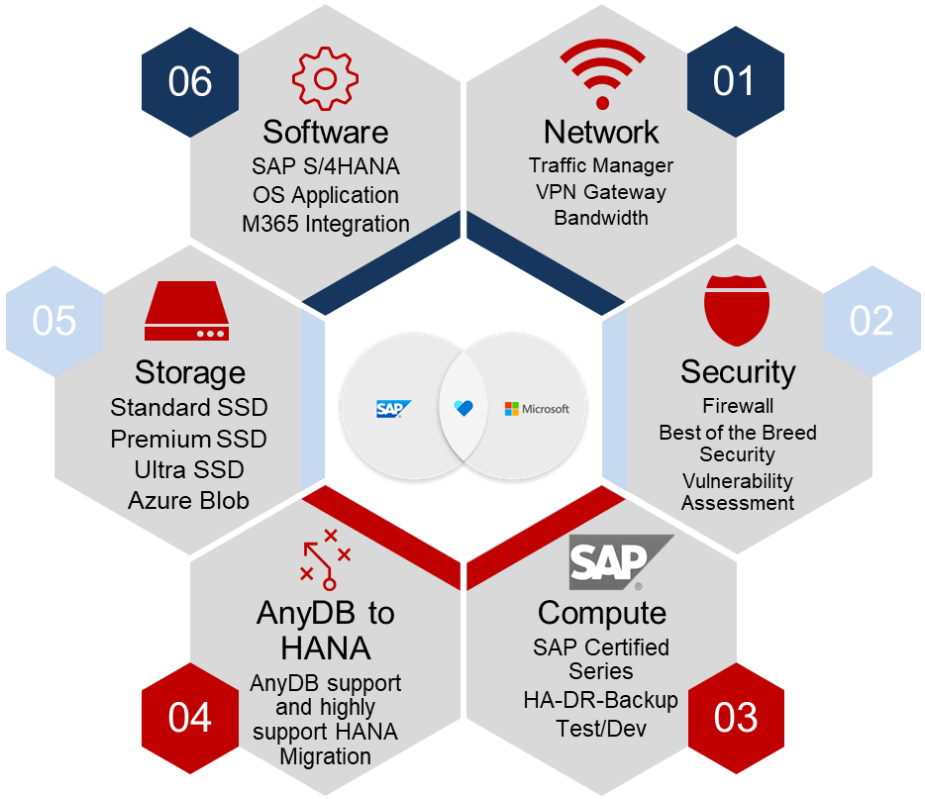
BRAMS – SAP on Azure Practice at a Glance

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



Accelerate Deployment and Migration by Leveraging Best Practices

Gain Value from Cloud & HANA for Differentiation & Innovation

Leverage our End to End SAP on Cloud expert services

OWN IP's

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SysOps

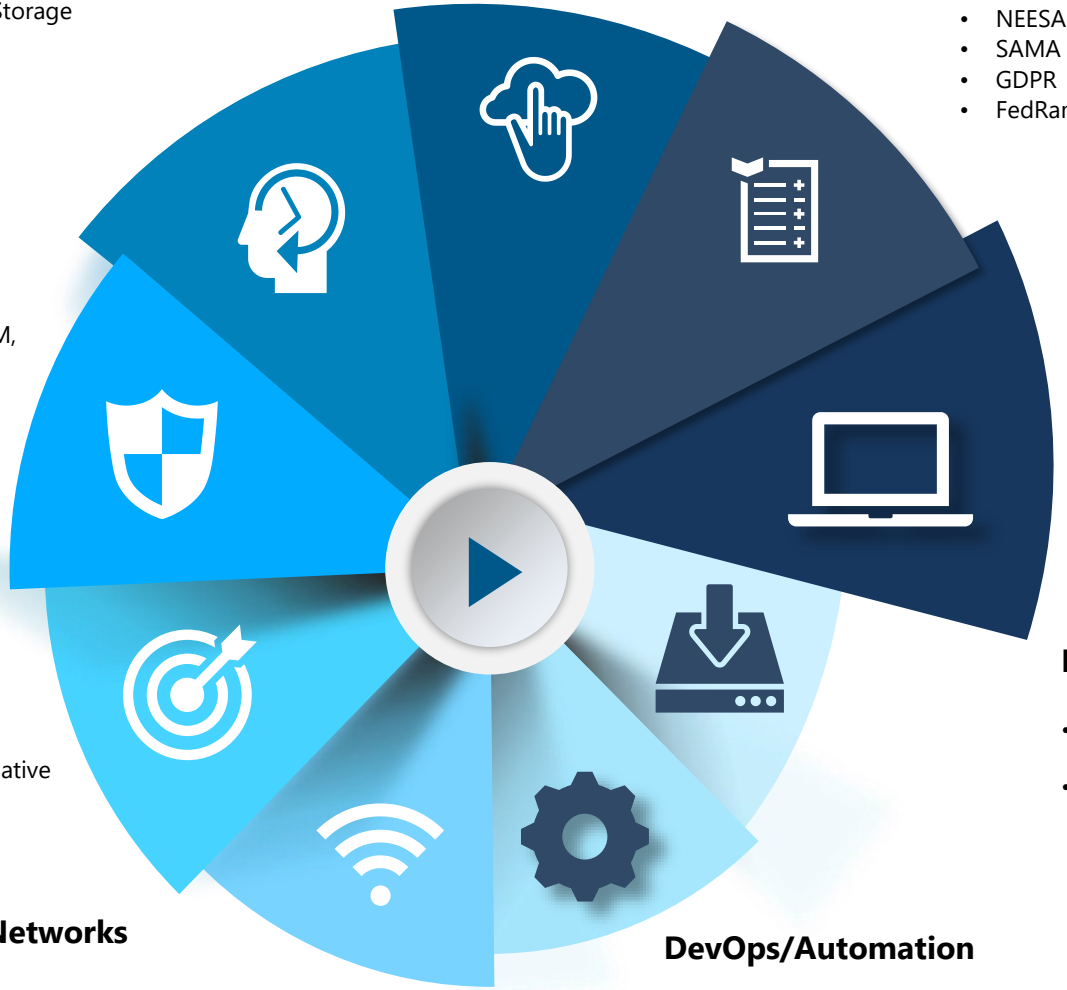
- Virtual Instances – OS [Windows, Linux]
- Containers – Dockers & Kubernetes on VM, AKS and Azure Native Services, Big Data Platform Storage

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



Security

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

Applications

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

Business Continuity

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

Database Management

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

Networks

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

DevOps/Automation

- Terraform
- Ansible
- Azure Automation

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Intelligent – Managed Services Operations

SAP on Azure – Package Comparison

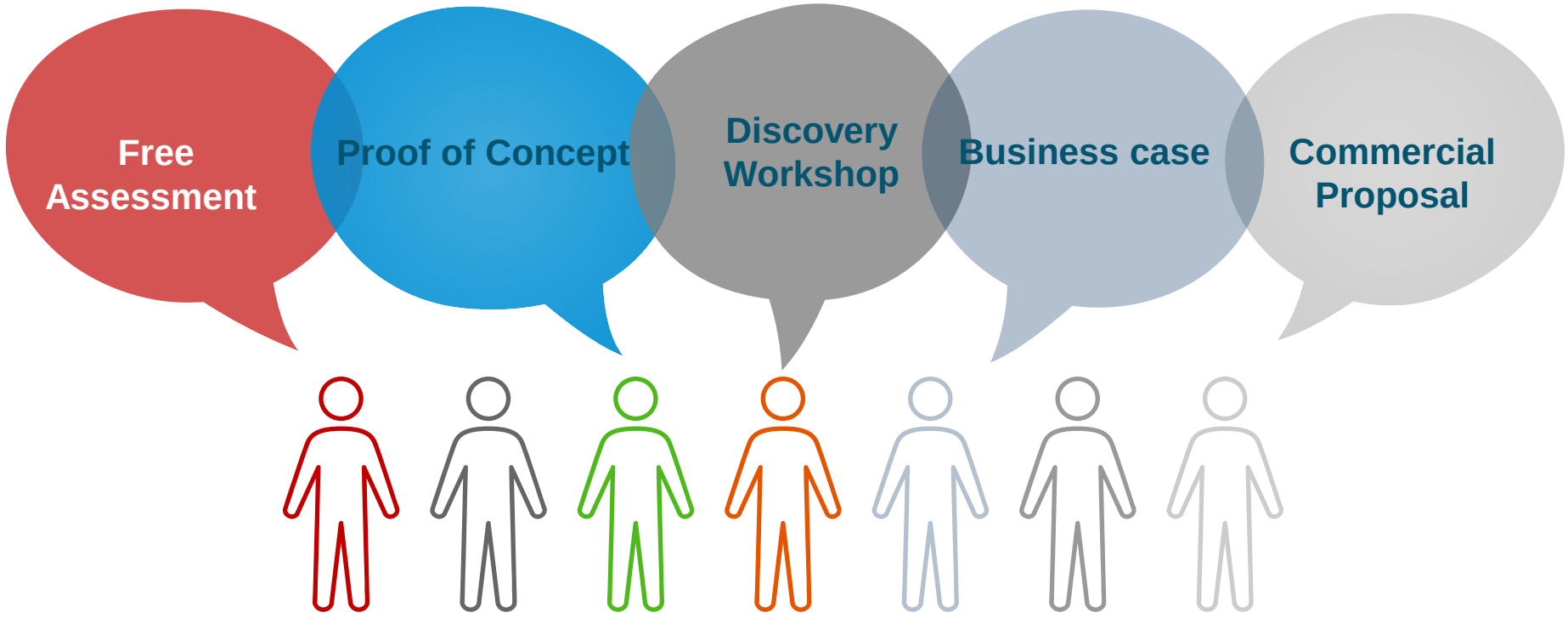
Scenario	Packages	Deliverables	Assessment	Proof of Concept Workshop	Deployment
Lift and Shift to Cloud	SAP Lift & Shift on Azure – Assessment **1 day –Free**	EWA or Manual Assessment for Landscape of SAP	✓		
		SAP Architecture and Solution Design	✓		
		Business Case & Cost Optimization based on the current 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 **3 days-Free**	**SAP Lift & Shift – Assessment (1 Day)** + 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 **7 days - $ 2500**	**SAP and Non- SAP lift & Shift Assessment – 3 Days** + 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 **30 days - $ 20000**	**SAP and Non-SAP Assessment (7 Days)** + 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 **7 days - $ 5000**	**SAP and Non- SAP lift & Shift Assessment – 3 Days**	✓	✓	
		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 **7 days -$ 7500**	**SAP and Non- SAP lift & Shift Assessment – 3 Days** 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 **7 Days – Free**	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 **7 Days - $ 7500**	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 **7 Days - $ 2500**	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 **20 Days $ 15000**	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



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Thank you

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2000
year founded

2009
cloud-first

8
locations

1500+
customers

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