

## MOVE YOUR ERP TO THE CLOUD WEBINAR SERIES

- ❑ **24 Sept – SAP S/4HANA Cloud versus SAP on Azure**
- ❑ 8 Okt – SAP S/4HANA versus SAP ByDesign
- ❑ 22 Okt – SAP S/4HANA Cloud Manufacturing Special
- ❑ 19 Nov – SAP S/4HANA Cloud Migration Special

[scheer-nederland.nl/webinars-overstappen-naar-cloud-erp/](https://scheer-nederland.nl/webinars-overstappen-naar-cloud-erp/)

# SAP S/4HANA CLOUD VS. S/4HANA ON AZURE

GERARD VAN GENT | STEFAN BAUER



## Presenters



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# Agenda

## S/4HANA Cloud vs S/HANA on Azure – 24 Sep 2020

Introduction

1

Cloud Deployment  
Models



2

Migration Scenarios



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Embrace



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# Scheer worldwide

- 30 offices
- > 1,100 employees
- > 1,500 customers
- Main markets:  
Europe, Middle East,  
America, Asia
- Main sectors:  
retail, consumer goods,  
chemicals, pharma,  
manufacturing, automotive,  
energy, telecoms, finance  
and public administration



## August-Wilhelm Scheer

German professor

[august-wilhelm-scheer.com](http://august-wilhelm-scheer.com)

August-Wilhelm Scheer is a German Professor of business administration and business information at the Saarland University, and founder and director of IDS Scheer AG, a major IT service and software company. He is known for the development of the Architecture of Integrated Information Systems concept. [Wikipedia](#)

**Born:** July 27, 1941 (age 79 years), Lübbecke, Germany

**Organizations founded:** IDS Scheer, IMC AG

**Education:** University of Hamburg, Saarland University

**Awards:** Philip Morris Research Prize

**Edited works:** [Business Process Excellence: ARIS in Practice](#), [MORE](#)

### Books

[View 15+ more](#)



ARIS -  
Business



Architektur  
Integrierter



ARIS —  
Business



Business  
process



CIM  
Computer



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**Scheer** The Process Experts  
To move your ERP to the Cloud



SAP Value Added Reseller



SAP Service Partner

**SAP® Certified**  
in Application Management Services

SAP Technology Partner

**SAP® Certified**  
in Hosting Services

Scheer Managed Services

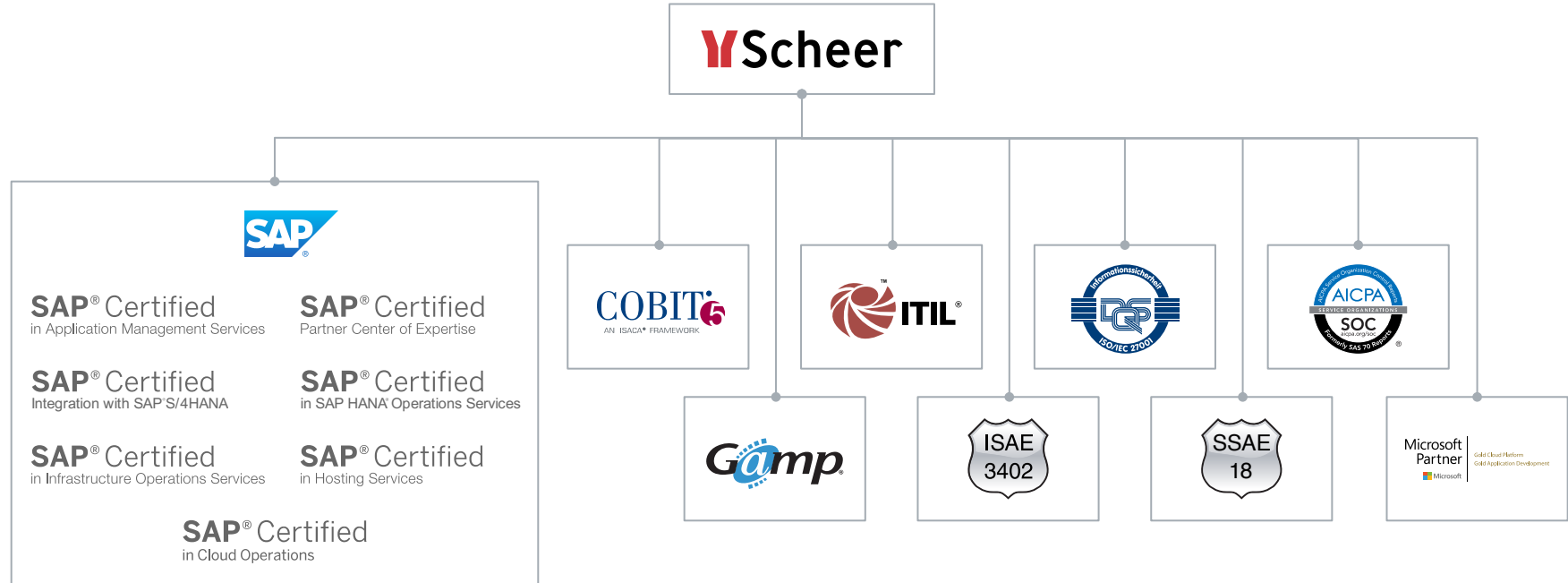
# Our Azure Journey Overview



*As a result of the portfolio's high attractiveness and high degree of innovation, ISG (Information Services Group) has ranked Scheer as the leader for SAP on Azure. In addition to the company's certifications and service offerings, Scheer stands out from other market players through **process orientation workshops**.*



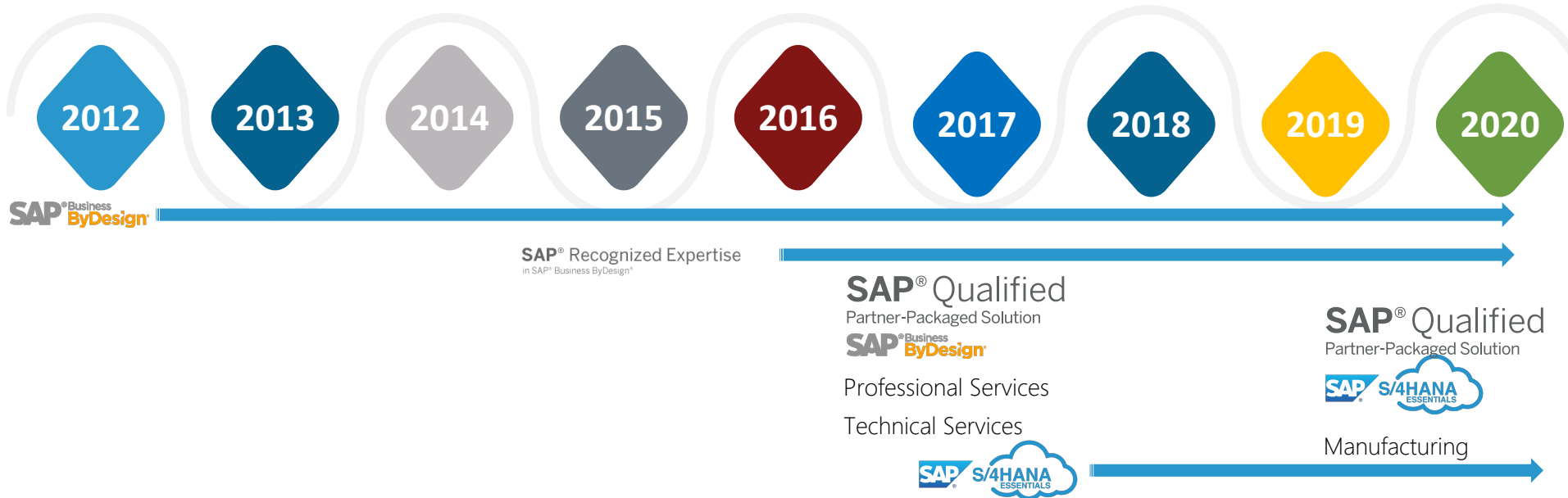
# Process Experts with special focus on Compliances & Operations



# SAP CLOUD ERP JOURNEY

SAP BUSINESS BYDESIGN – SAP S/4HANA CLOUD

## SAP CLOUD PARTNER



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# Is there a reason for cloud?

## Key drivers from customers



## Challenges to overcome by migrating to Azure



Midsize **Consumer Goods** producer in Germany

**Challenge:** lack of IT resources, investments in datacenter, business growth and flexibility and innovation needs, cost reduction, high availability requirements



World's third largest provider of **global business travel management**

**Challenge:** By introducing SAP Hybris billing on HANA including storing and processing of credit card data this system needed to become PCI-DSS compliant on short notice



Big German **Insurance** company

**Challenge:** No fit for new business models on legacy systems, need of Data Analytics and Big Data workload. High security requirements. BW/4HANA on Cloud. BAFIN & StGB203 compliance. Agile DevOps team. Legacy integration.



Family business providing **high quality veterinary medicines** for farm animals

**Challenge:** Carve-out by Boehringer at short notice, needing new DC location, ERP system (S/4HANA), and a setup under GxP conditions

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# S/4HANA in the Cloud <> S/4HANA Cloud



## Software on Cloud infrastructure

- „Traditional“ SAP ERP operation on Cloud (Infrastructure as a Service)
- Purchased SAP License
- E.g. SAP S/4HANA On-Premise on Azure



## Cloud as Software

- SAP S/4HANA as SaaS from SAP
- Leased SAP License
- SAP S/4HANA Cloud Essentials / Extended Edition

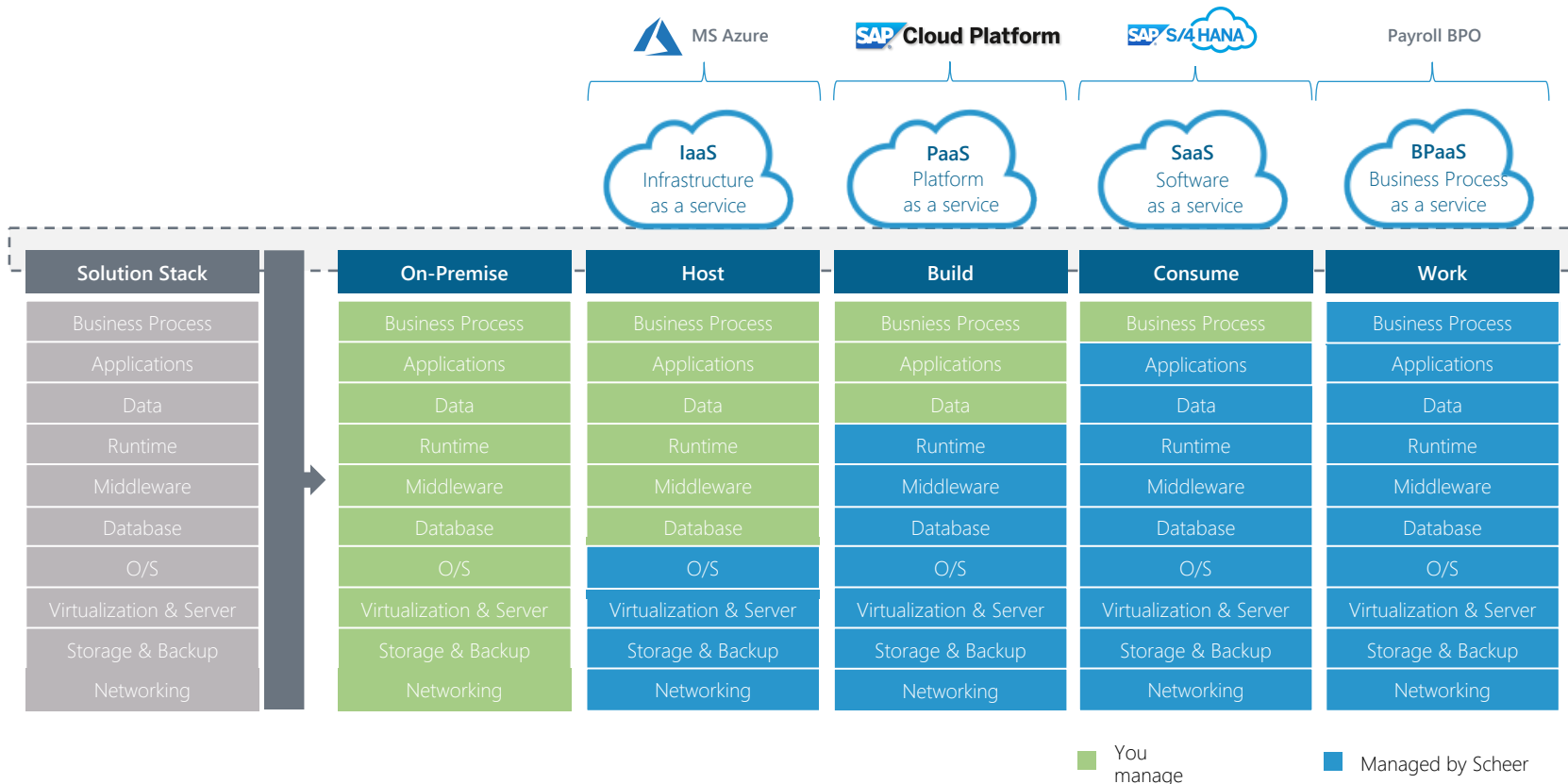
## SAP Cloud Platform (Platform as a Service)



## Cloud Only Add-on

- SAP Add-ons, that are only available in the Cloud
- E.g.: SAP SuccessFactors, Ariba, Concur

# Define your level of shared responsibility with SAP



# S/4HANA in the Cloud vs S/4HANA Cloud

	SAP S/4HANA on Azure	SAP S/4HANA Cloud Edition
<b>1. Licensing Model</b>	Traditional Licensing	Subscription Licensing
<b>2. Infrastructure Maintenance Model</b>	Deployment and maintenance is implemented and managed by the IT staff of a customer	System infrastructure and maintenance are under SAP's control
<b>3. Speed of Innovation</b>	Planning, testing, controlling, upgrading and changing within the system are the full responsibility of a customer One major release per year	The automatic latest innovation upgrades happen quarterly without customer's participation
<b>4. Implementation Approach</b>	High compliance with individual business requirements and customization	Predefined best-practice configuration with limited specialization
<b>5. Functional Scope</b>	Full ERP Scope, integration with SAP Hybris Marketing, SAP JAM and SAP Ariba Network Specific functionality for a broad range of industries  Feature Scope Description 2005: 650 pages	Key scenarios, Embedded ERP scenarios, integration with SAP SuccessFactors Employee Central, SAP Fieldglass, SAP Hybris Marketing, SAP JAM, and SAP Ariba Networks  Feature Scope Description 2005: 234 pages

# Preferred Deployment Model

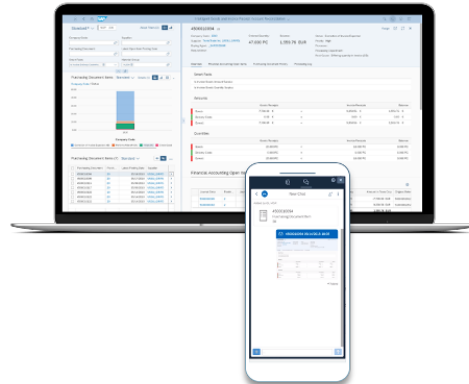
SAP S/4HANA on Azure	SAP S/4HANA Cloud Edition	Hybrid Model
Large enterprises with very well-proven business processes	Companies who look for a light and flexible database platform to scale while growing	Best of both worlds: flexible IT solutions and innovative business transformation under full control of core business applications
Full range of features consolidated with highly flexible customization	Seeking for a solution that covers their core business strategies, but also provides greater agility, flexibility and faster upgrades cycle	Fast onboarding of newly acquired business or local branch offices
Business critical processes contained in custom code	Rapidly developing enterprises who want a platform that can grow and change with their speed	Supported by a growing number of two-tier scenarios
More effective monitoring, configuration and tuning	Companies without SAP ECC legacy	



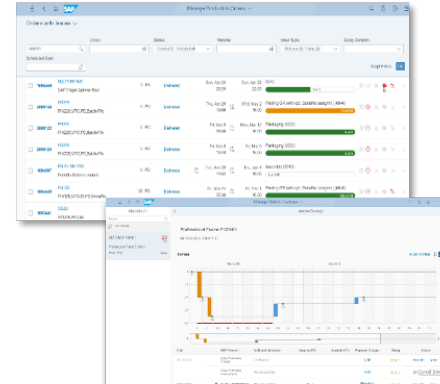
# S/4HANA Cloud and S/4HANA on Azure are alike regarding ...

- User Experience through Fiori Apps
- Embedded analytics supporting 'Insight to Action'
- Using SAP Cloud Platform to integrate with other cloud apps
- Code base
- Next step after ECC

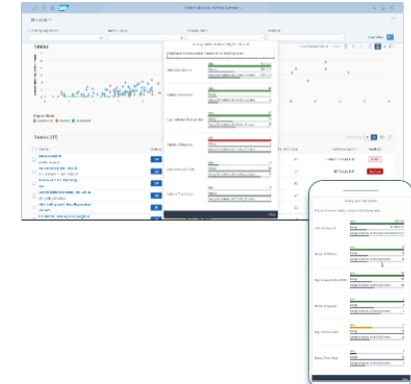
On any Device, use  
role based cockpits  
with digital assistant



Embedded analytics for  
simulation, prediction &  
insight-to-action



Machine learning for  
automated processing &  
decision support



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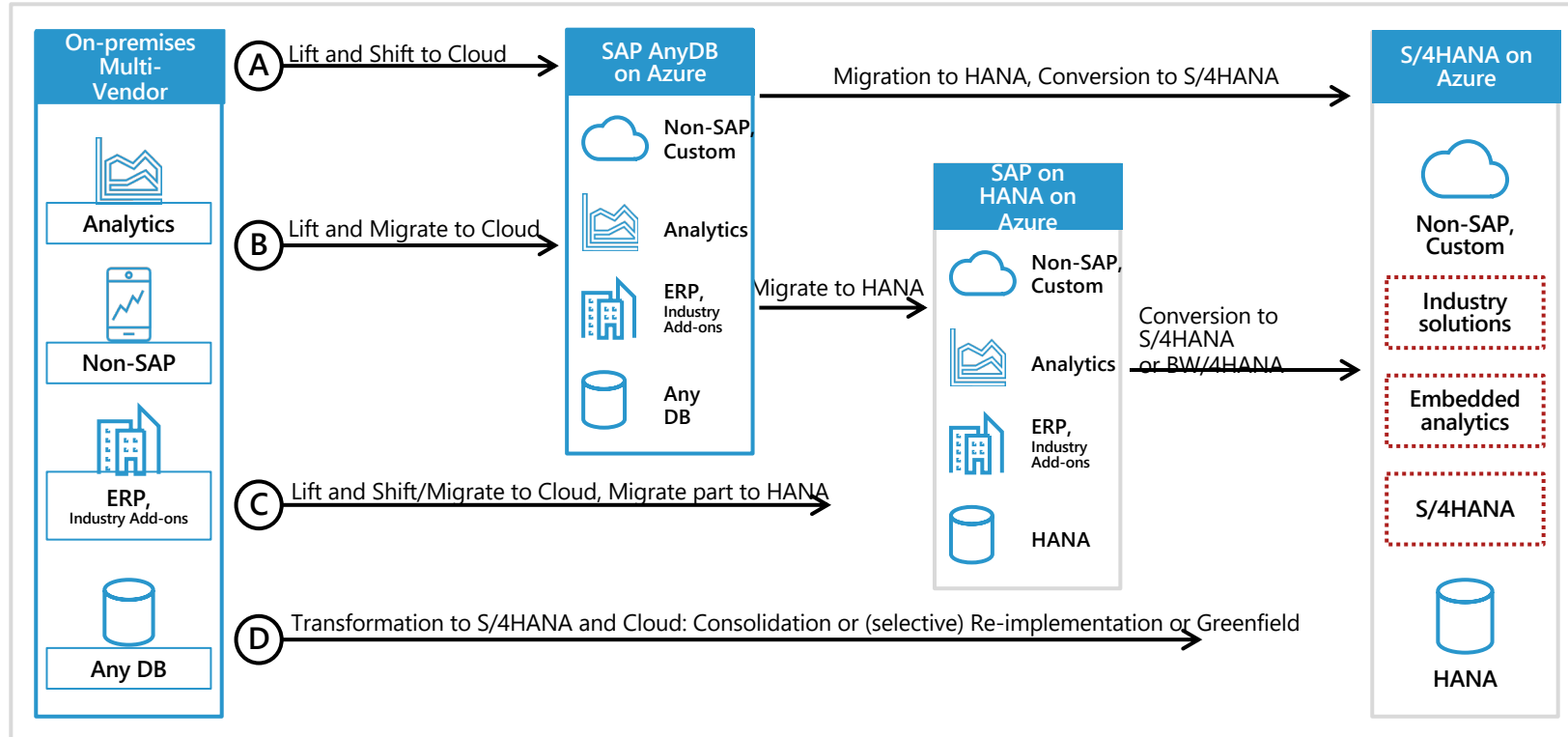


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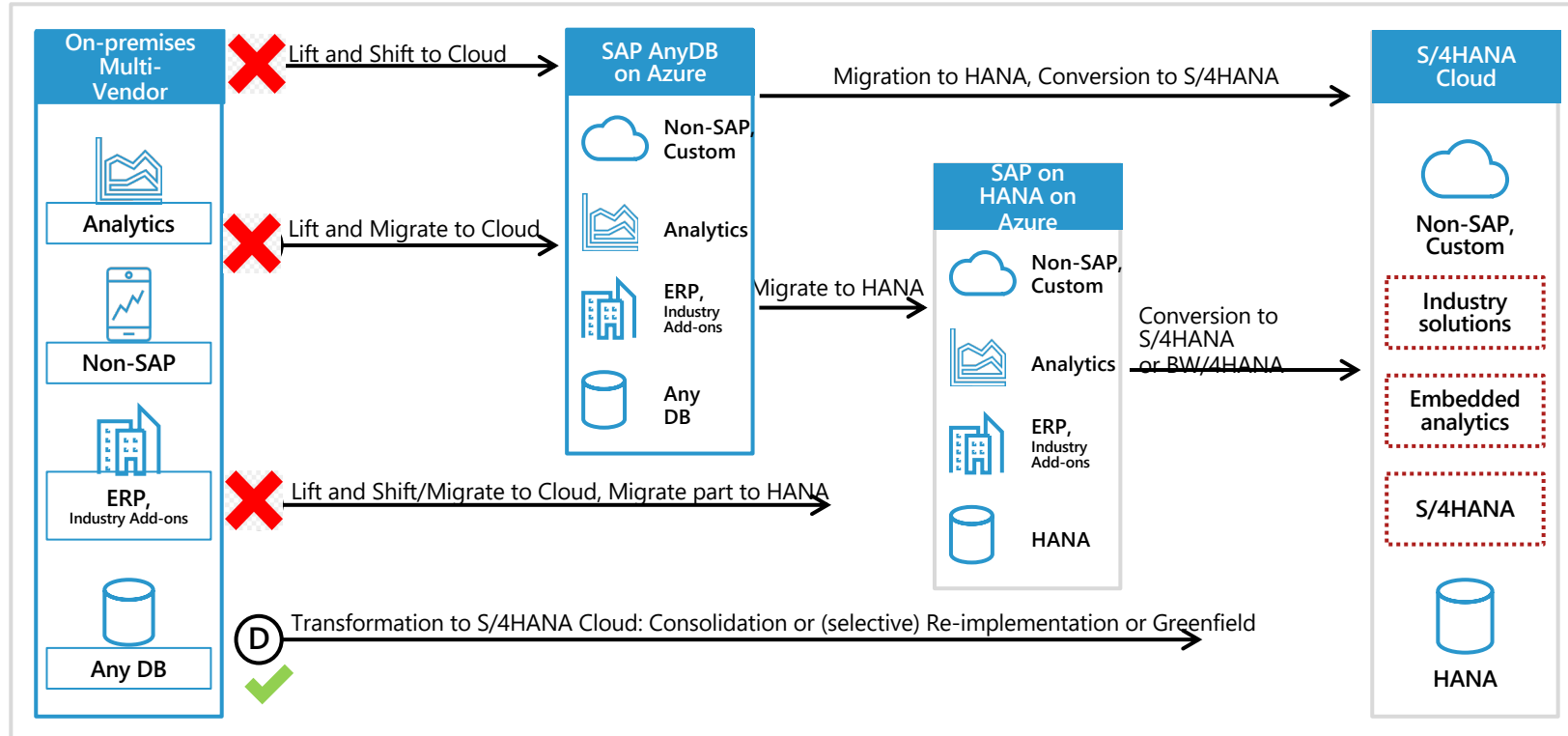
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# Move your ERP to S/4HANA on Azure - Scenarios

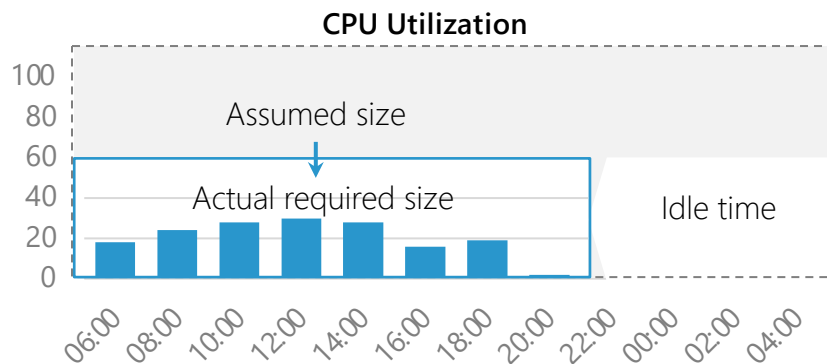


# Move your ERP to S/4HANA Cloud - Scenarios



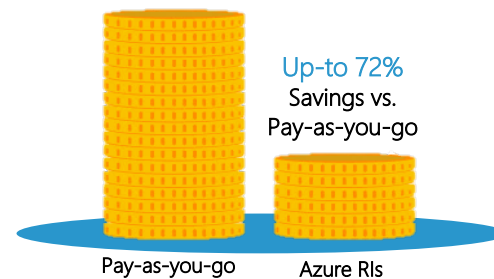
# Lift & Shift into Azure Cloud

Key driver: cost savings. Two billing models available:



## Flexibility: Usage-based Billing (Pay-as-you-go)

- The computer capacity does not need to be known in advance

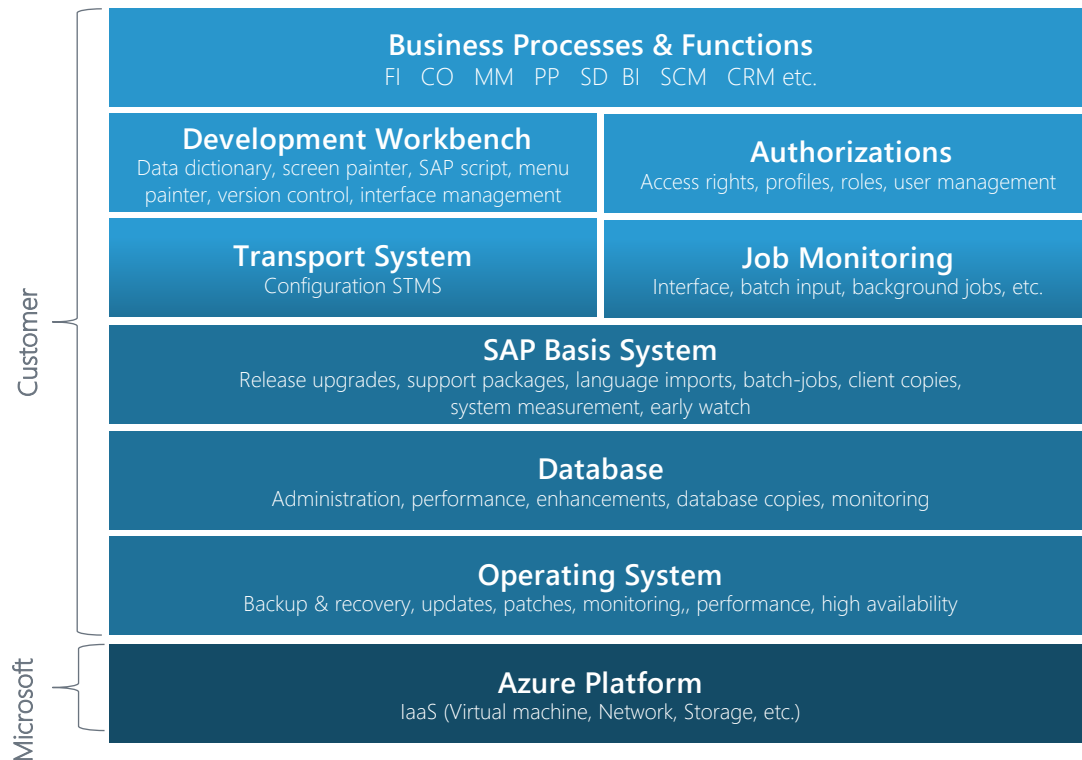


## Cost-effective: Reserved Azure VM Instances (RIs)

- Discounted reservation of an Azure Virtual Machine that runs for a long period of time

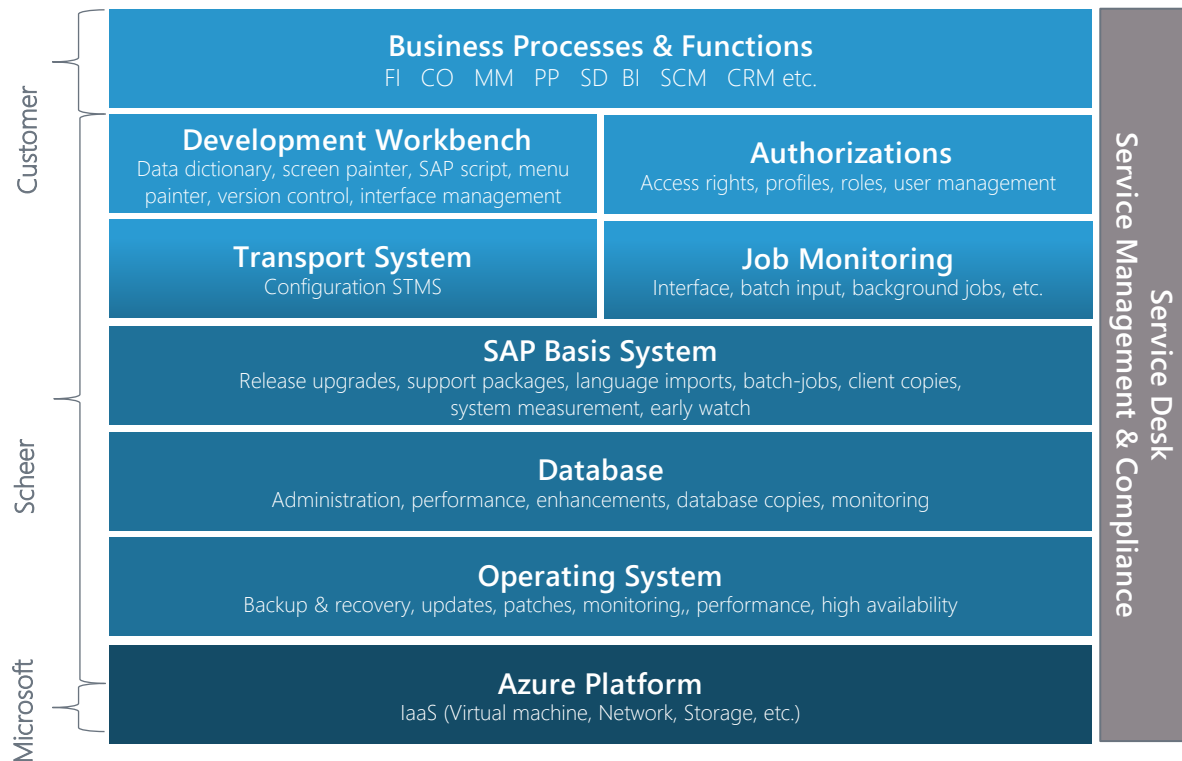
## Responsibilities – Base Scenario

- Microsoft is responsible for provisioning and maintenance of the platform
- Customer is responsible for all other aspects: data, application, SAP Basis, DB, OS, and security and compliance



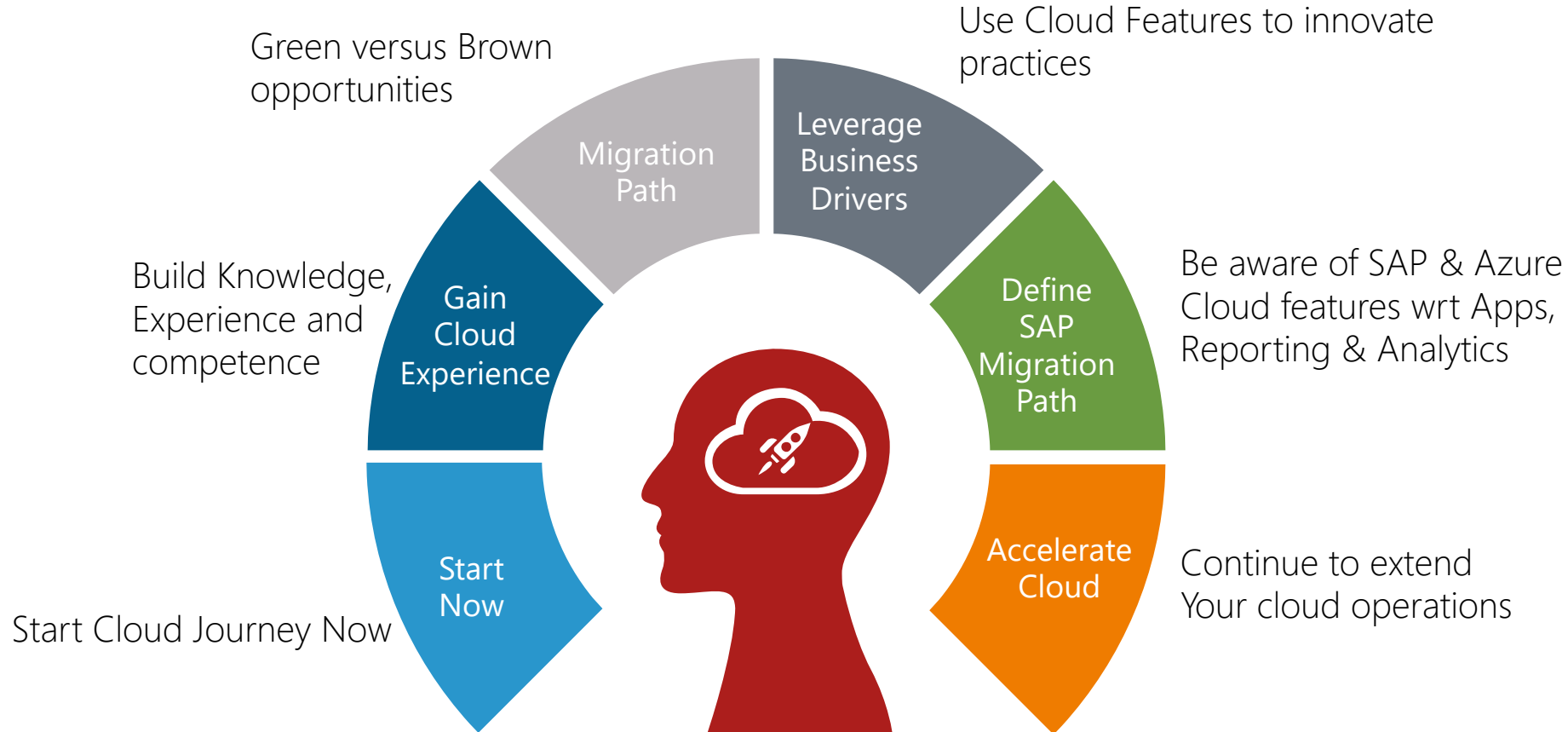
# Responsibilities – Managed Services model

- Full Managed Services up to the application by Scheer
- Responsibility for SAP Basis, DB, OS and the Azure platform belongs to Scheer
- Customer is responsible for the data and the application
- Security and compliance is the responsibility of Scheer
- Detailed responsibility matrix defined via RACI





# Customer Learning Curves – Cloud Adoption



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# The Power of Embrace

## Driving Innovation together

Common roadmap for SAP S/4HANA and other SAP solutions



## The Embrace Initiative



 **Scheer**

## Reference architectures

Jointly developed technical architecture templates



## Use Cases

Best of Breed – The best from all worlds



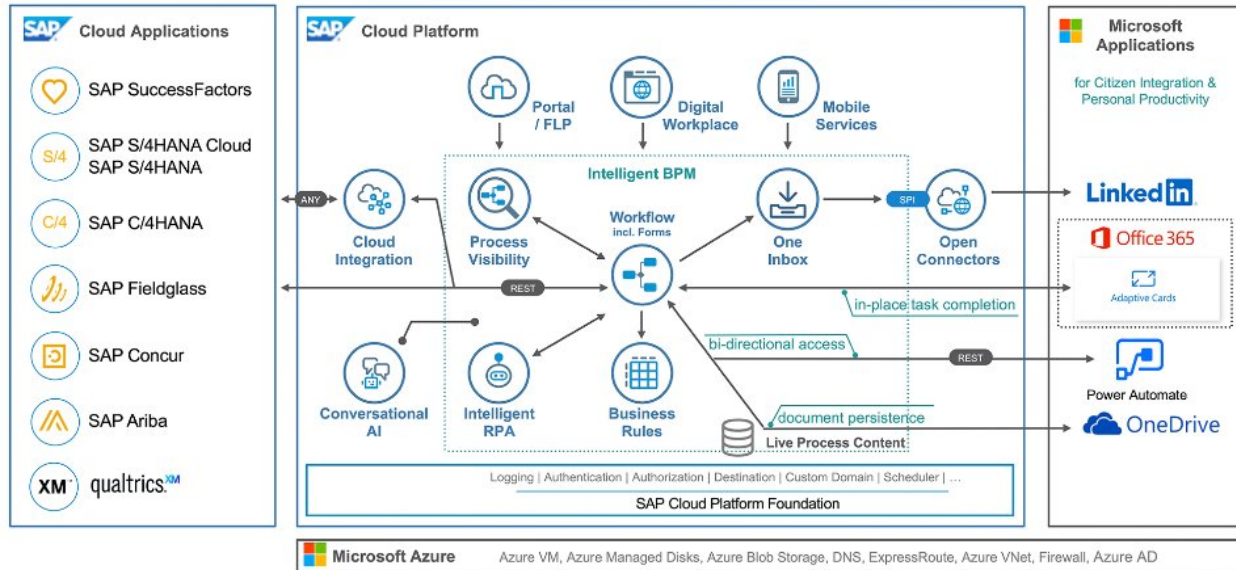
## Azure as the optimal Platform

Bas services for continuous innovation and secure SAP operations



# Intelligent optimization and automation of processes with SAP and Microsoft services

- Provision of information to proactively identify bottlenecks and make recommendations for improvements
- Real-time visibility to meet process efficiency KPIs



## Further integration examples

- Outlook & SAP Workflow
  - Automatic mails for "Pending" workflow items
- SAP Single Sign On
  - Single Sign On via (Azure) Active Directory
- Data Tiering
  - Hot Store directly in the HANA DB; Warm Store via an extension node
  - Cold Store via Azure HD Insight (NLS; Hadoop HDFS)
- Backup Integration
  - Integration of the HANA DB/Log Backup into the Azure Backup Service

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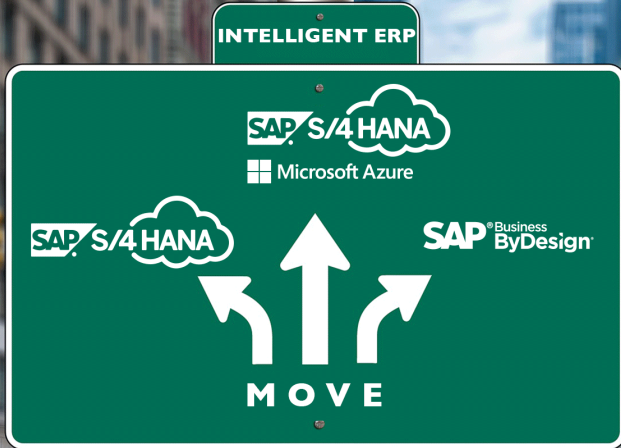
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# Questions via the Chat Box



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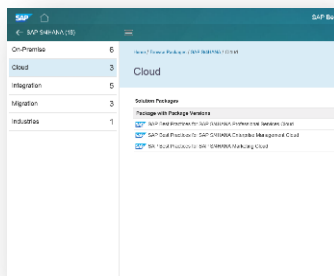
MORE INFORMATION:

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[INFO@SCHEER-NEDERLAND.NL](mailto:info@scheer-nederland.nl) OR TEL :0347-322 875

# Further Reading

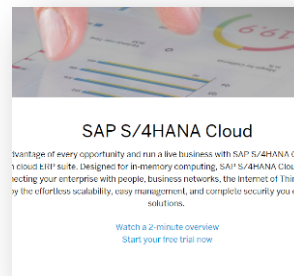
## [Best Practices Explorer](#)



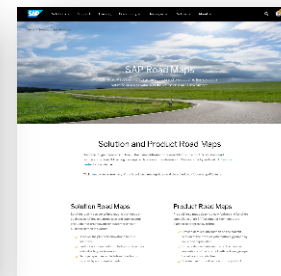
## [SAP S/4HANA Trials](#)



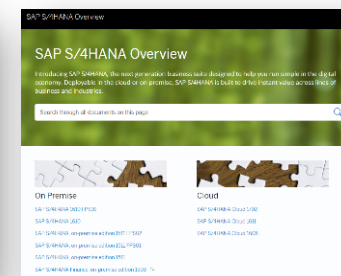
## [SAP S/4HANA Release Info](#)



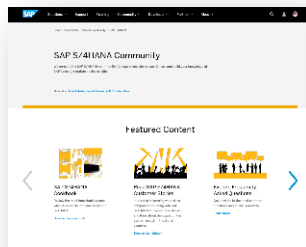
## [SAP S/4HANA Roadmaps](#)



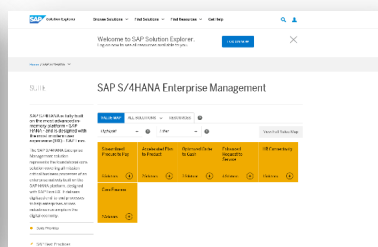
## [SAP Help Portal](#)



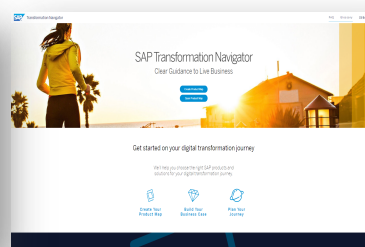
## [Join the SAP S/4HANA Community](#)



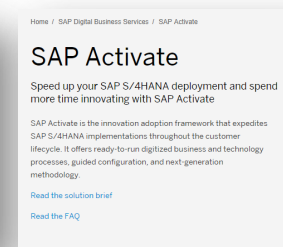
## [Explore the scope](#)



## [Transformation Navigator](#)



## [SAP Activate](#)



## [SAP Roadmap Viewer](#)



## Handy links related to SAP on Azure

SAP on Azure OpenSAP training (starting 6 Oct): <https://open.sap.com/courses/ma1>

### SAP on Azure Getting Started

➤ <https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/get-started>

### SAP Workload on Azure Planning and Deployment Checklist

➤ • <https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/sap-deployment-checklist>

### SAP Applications on Azure: Supported Products and Azure VM types

➤ <https://launchpad.support.sap.com/#/notes/1928533>

- The SAP supported VM types of Azure & SAPS throughput of each SKU
- The SAP supported products/releases on Azure
- The supported OS and DBMS releases for the specific SAP releases in Azure

### SAP on Microsoft Azure: Support prerequisites

➤ <https://launchpad.support.sap.com/#/notes/201555>