SAP Cloud Platform on Azure

November 4 2020

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Microsoft

Microsoft

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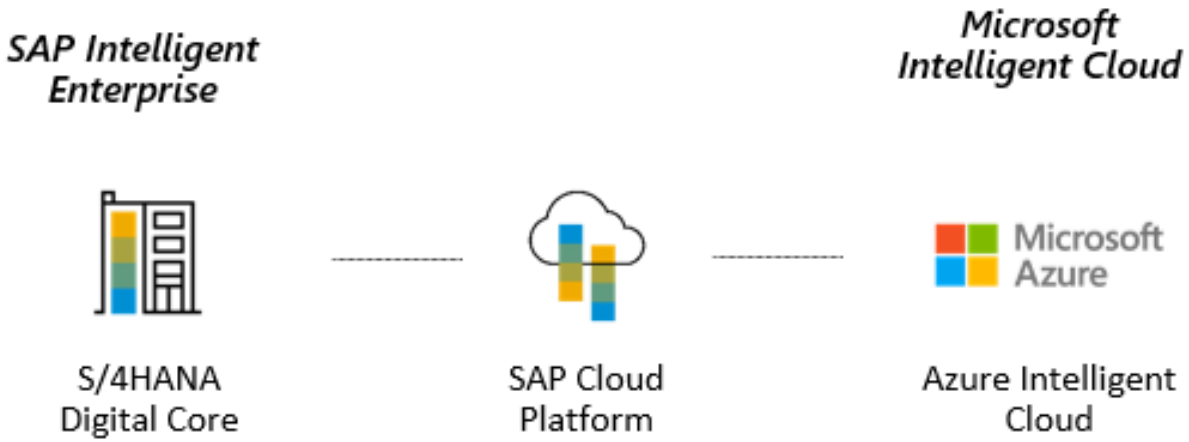
What is SAP Cloud Platform (SCP)?

SCP is a PaaS offering available on Azure, AWS and GCP

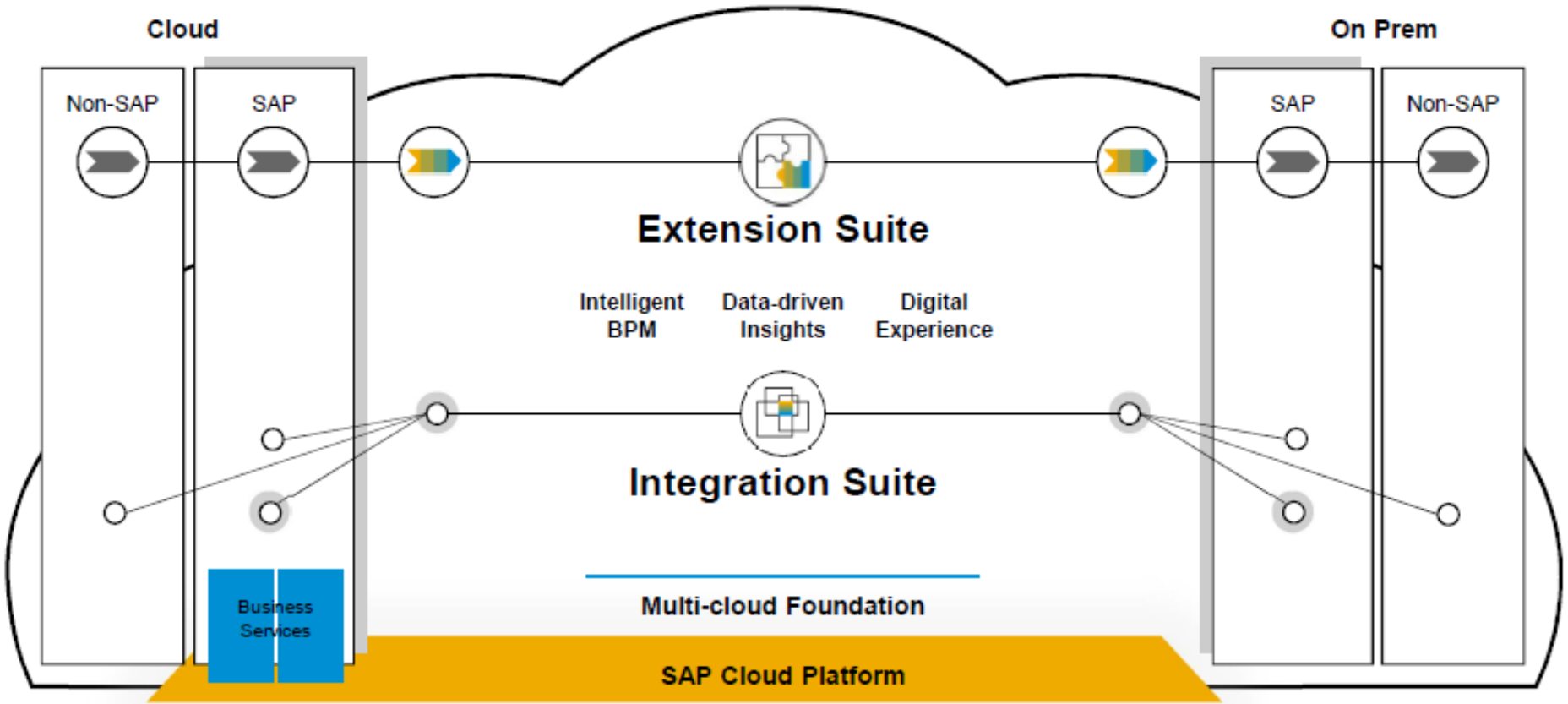
SCP allows customers to build and extend new business and mobile apps, to integrate and connect with ERP systems, regardless of the application location or data source

Microsoft is the only Public Cloud provider who has a 3-year agreement to resell SCP services under a CPEA on Microsoft Paper



Increase business agility and efficiency with SAP Cloud Platform

Your choice for integration and extensions



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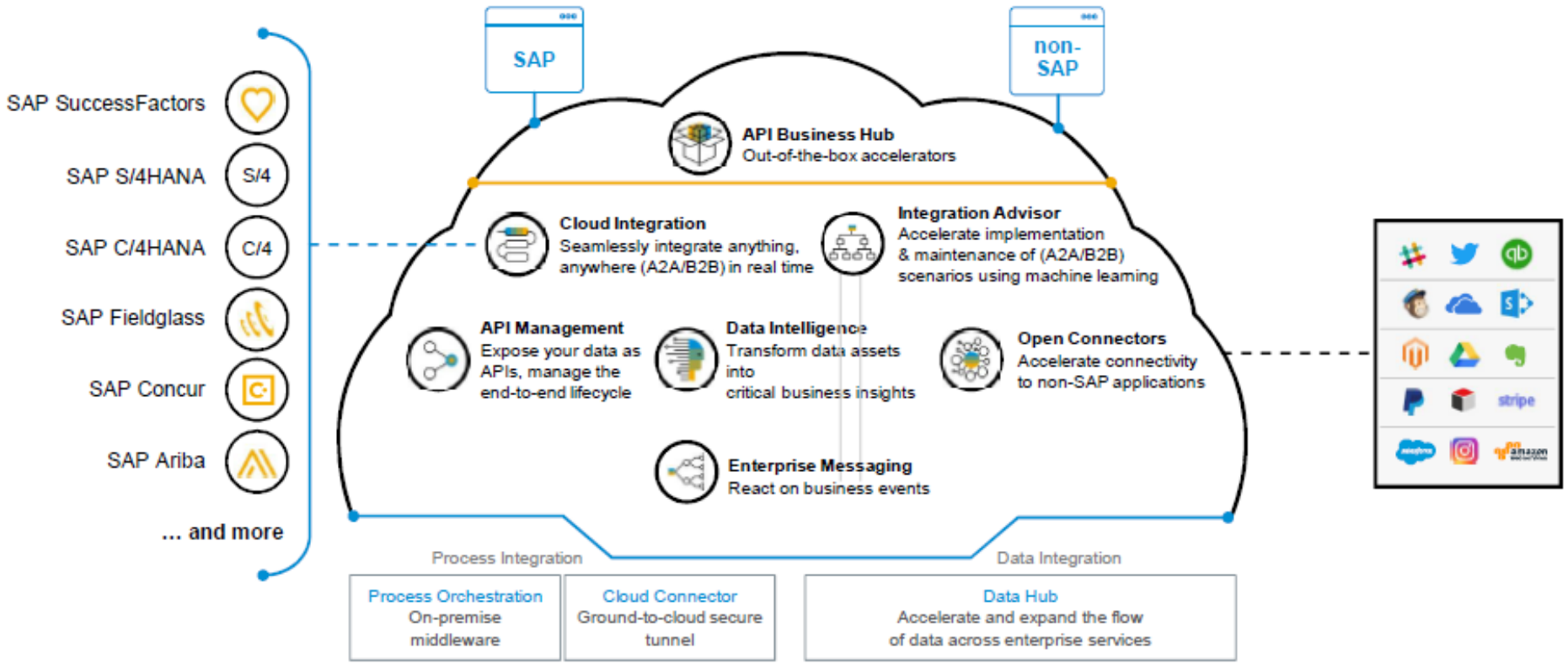
SAP Cloud Platform Integration Suite

Enterprise Integration Suite for Hybrid and Heterogenous Environments



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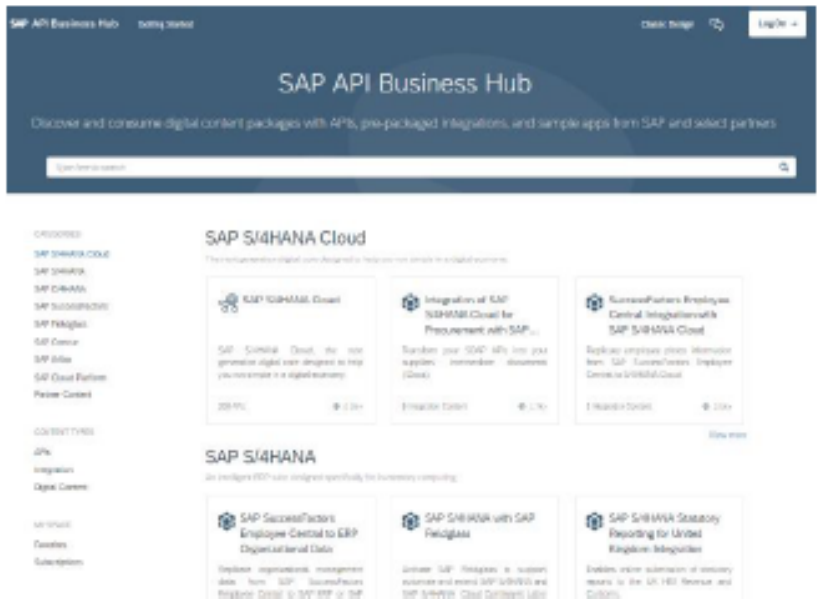
SAP Cloud Platform Integration



Open to the Ecosystem

- Ability to integrate with business networks
- Open to partners for developing integration content and adapters

Prepackaged content to accelerate integration projects

- Safeguard and accelerate your integration projects with out-of-the box integration content
- Prepackaged content to integrate SAP and non-SAP applications, such as e-Document compliant integration with tax authorities
- Search, discover, experience, and consume the right predefined integration packages from SAP and selected partners
- Open to partners for developing content and connectivity
- Integration content can be deployed on SAP Process Orchestration (starting with release 7.5)

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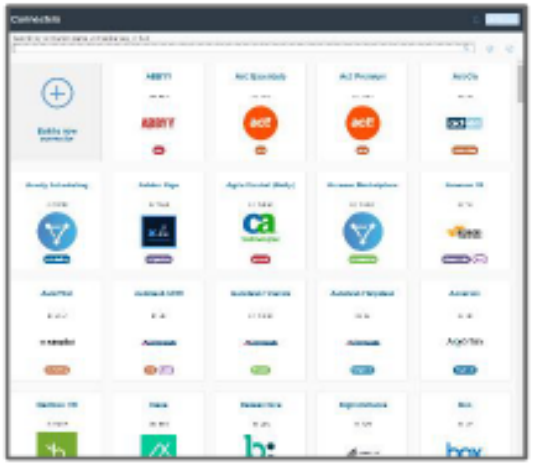
SAP Cloud Platform Open Connectors

Accelerate connectivity to third-party applications



Pre-built Connectors

Out of the box connectivity to non SAP applications.

- Feature rich connectors to 150+ non-SAP applications.
- Easily connect to top SaaS application in use
- Built-in interactive API documentation in Open API Spec

Common Resources

Canonical data model to extend connectors

- Create consistent data model based on your integration needs
- Pre-built common resources that can be easily extended

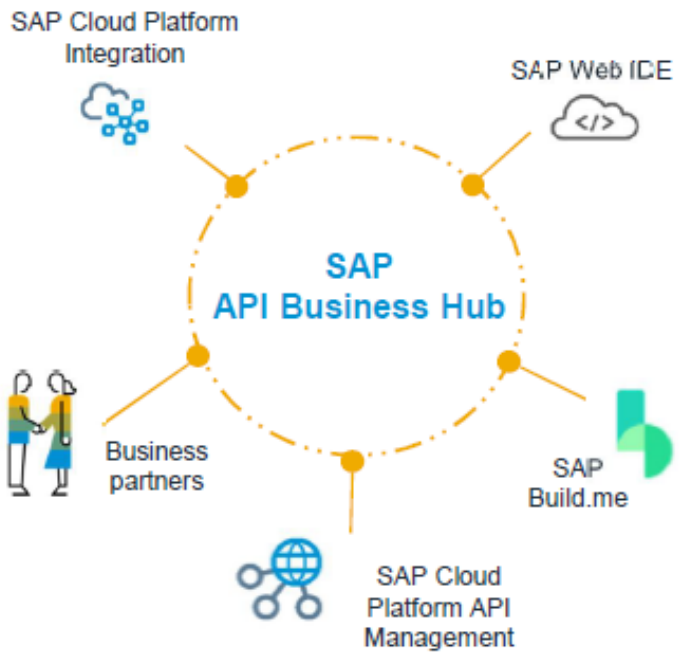
Formulas

Easily build API compositions across connectors

- Build a single template that you can reuse with

SAP Cloud Platform API Management

Secure, manage & govern APIs in the cloud



Fine grained Access Control of API Assets realized via Role based permissions

- Permissions based on Roles for Discovering Products and Consuming Applications in DEV Portal.
- System prompts the Admin of a Role is missing / deleted.
- Error proof method to create API Proxies by changing Properties from existing templatized API Proxies, flexibility in managing multiple proxy virtual host endpoints, visually appealing interface.

Discover diverse catalog – SAP API Business Hub Themes, search, filters and featuring

- New user experience that draws user to the most popular of the 250+ packages
- Product themes, search and filters help users navigate 830+ integrations and ~750 APIs
- Favorites and Subscriptions to keep user up to date with the latest content

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Building Extensions for the Intelligent Enterprise on SAP Cloud Platform

SAP SuccessFactors

SAP S/4HANA Cloud + On Premise[1]

SAP C/4HANA

SAP Fieldglass[1]

SAP Concur[1]

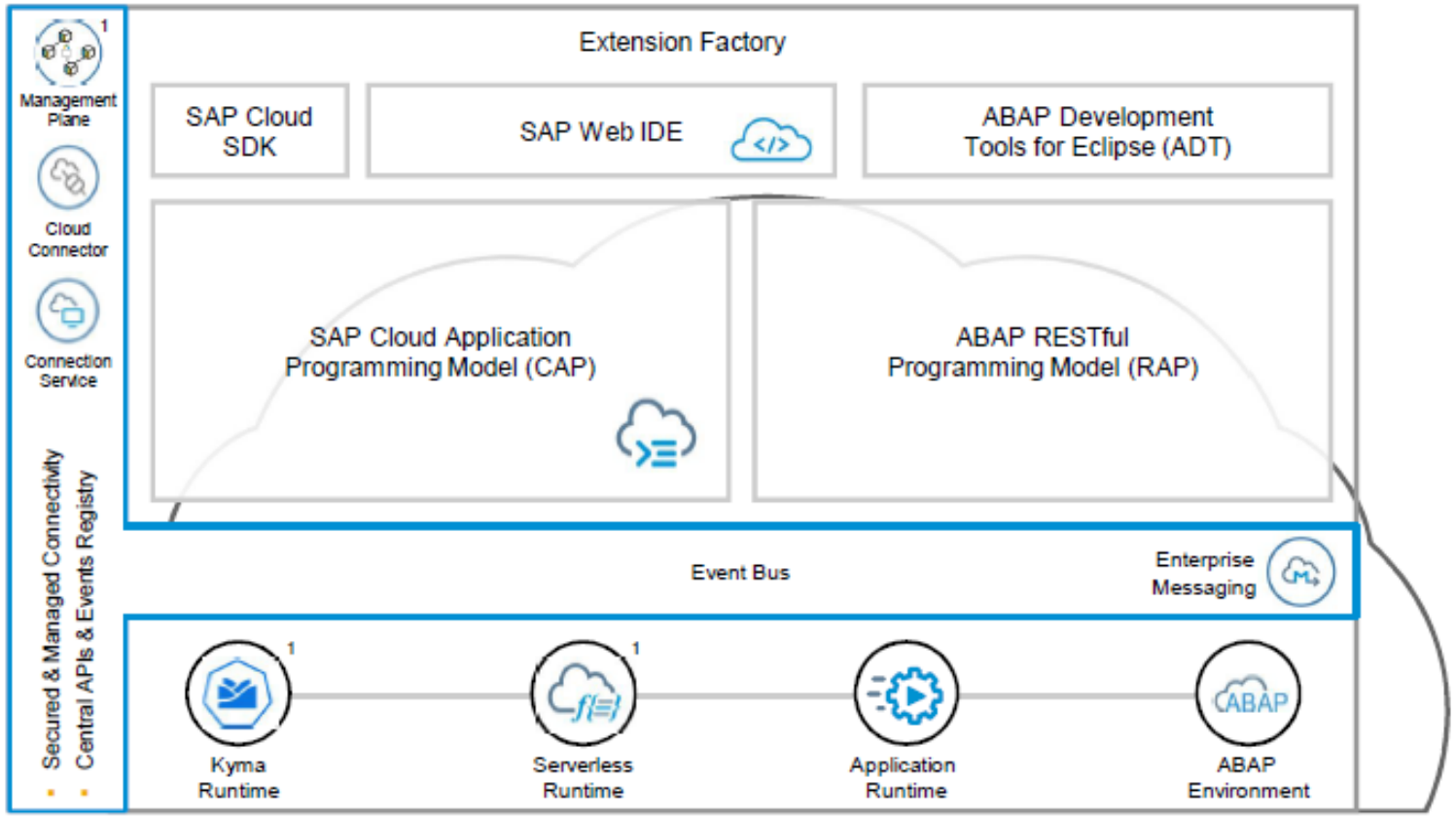
SAP Ariba[1]

SAP Enterprise Core Components[1]

Other SAP Solutions[1]

3rd Party Solutions[1]

[1] Planned Innovation



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SAP Intelligent BPM for Live Processes

Live Processes offer discovery of pre-defined content, real-time authoring and launch (publish to production) of non-complex business processes without coding. Customers "Go Live", and stay flexible in production.

Process Experiences*

Integration of sentiments with Experience Management solutions from SAP (Qualtrics) on product, brand, and customer and employee experience to Live Processes

Process Flexibility*

Configuration of process variants for LoB experts, process extensions, decisions, and responsibilities

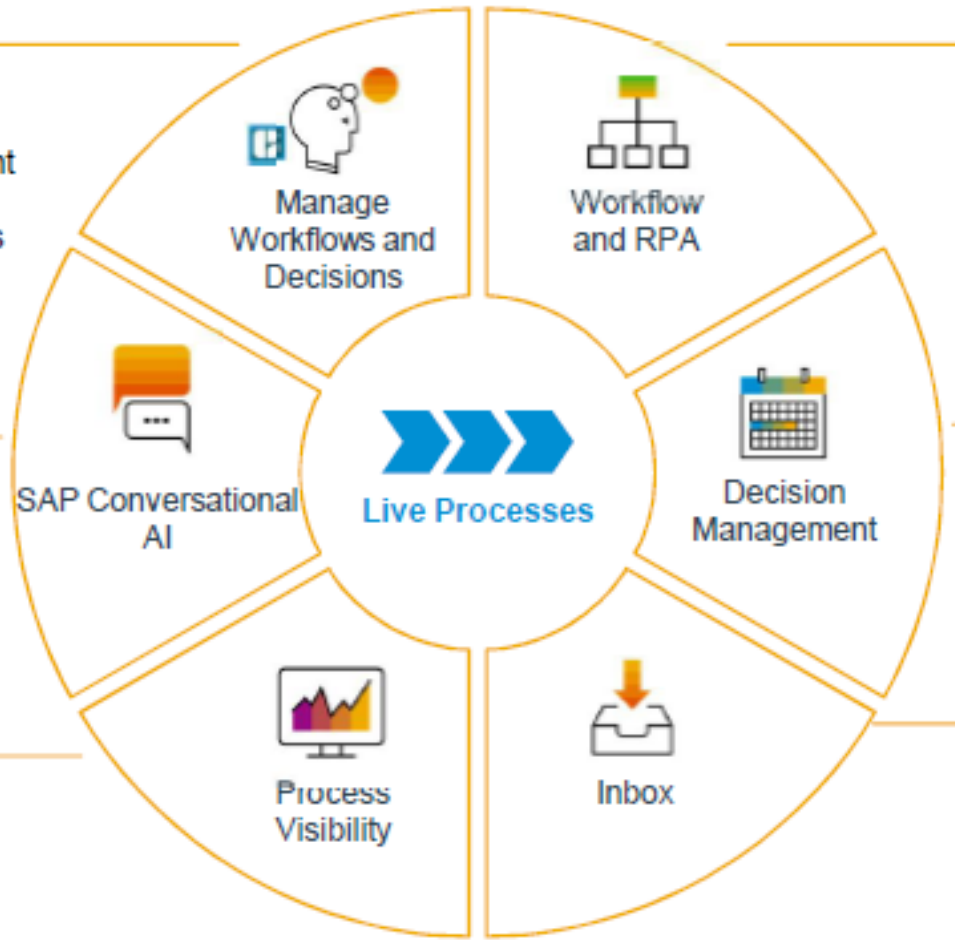
Conversational User Experience

Process Intelligence assistance with SAP Conversational AI

Machine learning identifies hidden patterns in knowledge-intensive processes and learns from the data without being explicitly programmed

Process Intelligence

SAP Cloud Platform Process Visibility
SAP Process Mining by Celonis, cloud edition



Intelligent Automation

Integrated offering of SAP Cloud Platform Workflow to automate structured processes with SAP Intelligent Robotic Process Automation (RPA) to run repetitive, unstructured, and user interface-focused tasks

Automation of decisions with SAP Cloud Platform Business Rules

Live Process Content

Process documentation from enterprise architecture to value and process flows, implementation blueprints

Digital Experience

Management of tasks centrally in portal, central SAP Fiori launchpad, mobile BPM

*Planned

How SCP drives a joint SAP/Azure solution

SAP Intelligent Suite

- Customer Experience
- Manufacturing & Supply Chain
- People Engagement
- Network & Spend Management

SAP Intelligent Enterprise

- S/4HANA Digital Core
- SAP Cloud Platform

Microsoft Intelligent Cloud

- Azure Intelligent Cloud

Intelligent Technologies

SAP Analytics Cloud	Big Data & Analytics	Azure Analytics
SAP Leonardo	Artificial Intelligence & Machine Learning	Azure AI
SAP Leonardo IoT	Internet of Things	Azure IoT
ODI	User Experience	ODI

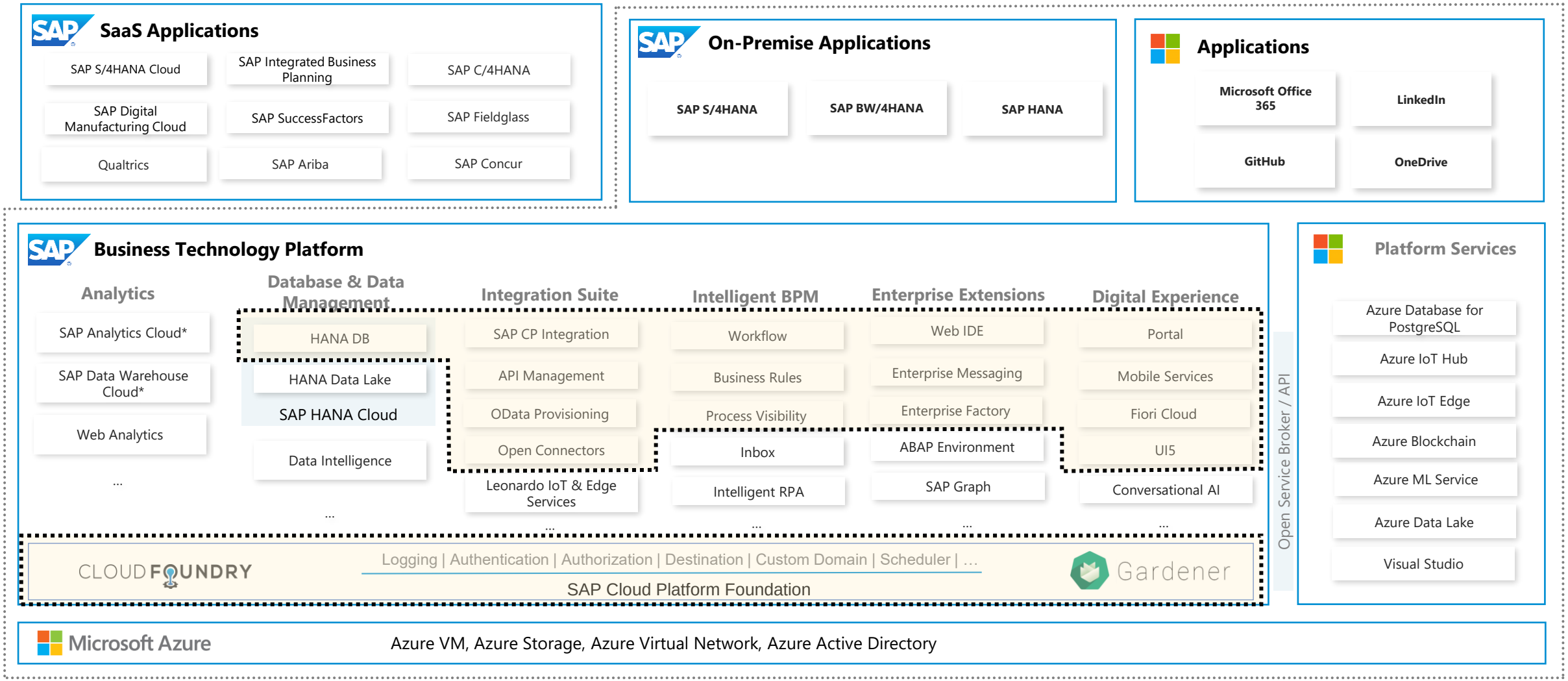
Microsoft Intelligent Edge

- Azure Sphere
- Azure Data Box Edge
- Azure IoT Edge
- Azure Stack

Microsoft Azure

Microsoft SAP

Business Architecture on Microsoft Azure – what we re-sell?



* SaaS offerings

SAP Cloud Platform (SCP) on Azure Embrace Use Cases

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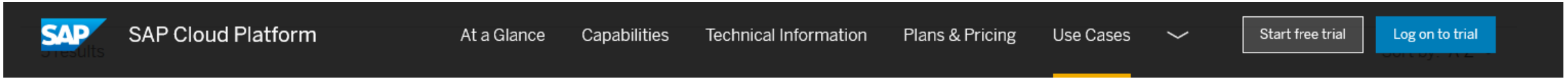

Consume Azure Services in SAP Cloud Platform

Read more

Establish Identity and Authentication Workflow Between SAP and Microsoft

Read more

Extend SAP S/4HANA with SAP and Microsoft Azure Services

Read more

Integrate Business Processes Across SAP and Microsoft Ecosystems

Read more

Optimize and Automate Processes with SAP and Microsoft Azure Services

Read more

https://www.sap.com/products/cloud-platform/use-cases.html

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Use case 1

Consume Azure Services in SCP

Open Service Broker, SAP Cloud Application Programming Model + Azure Blob Storage

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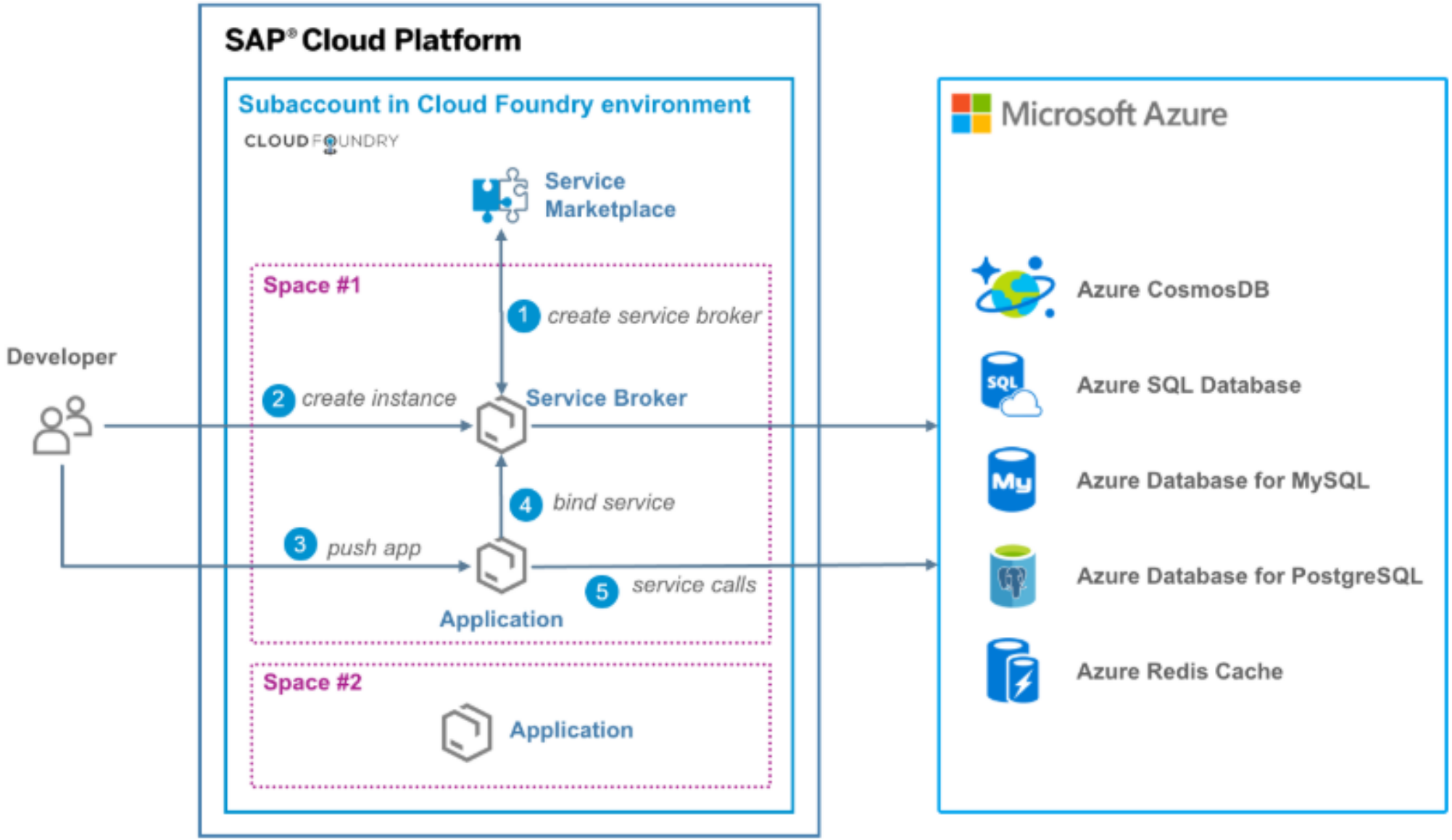

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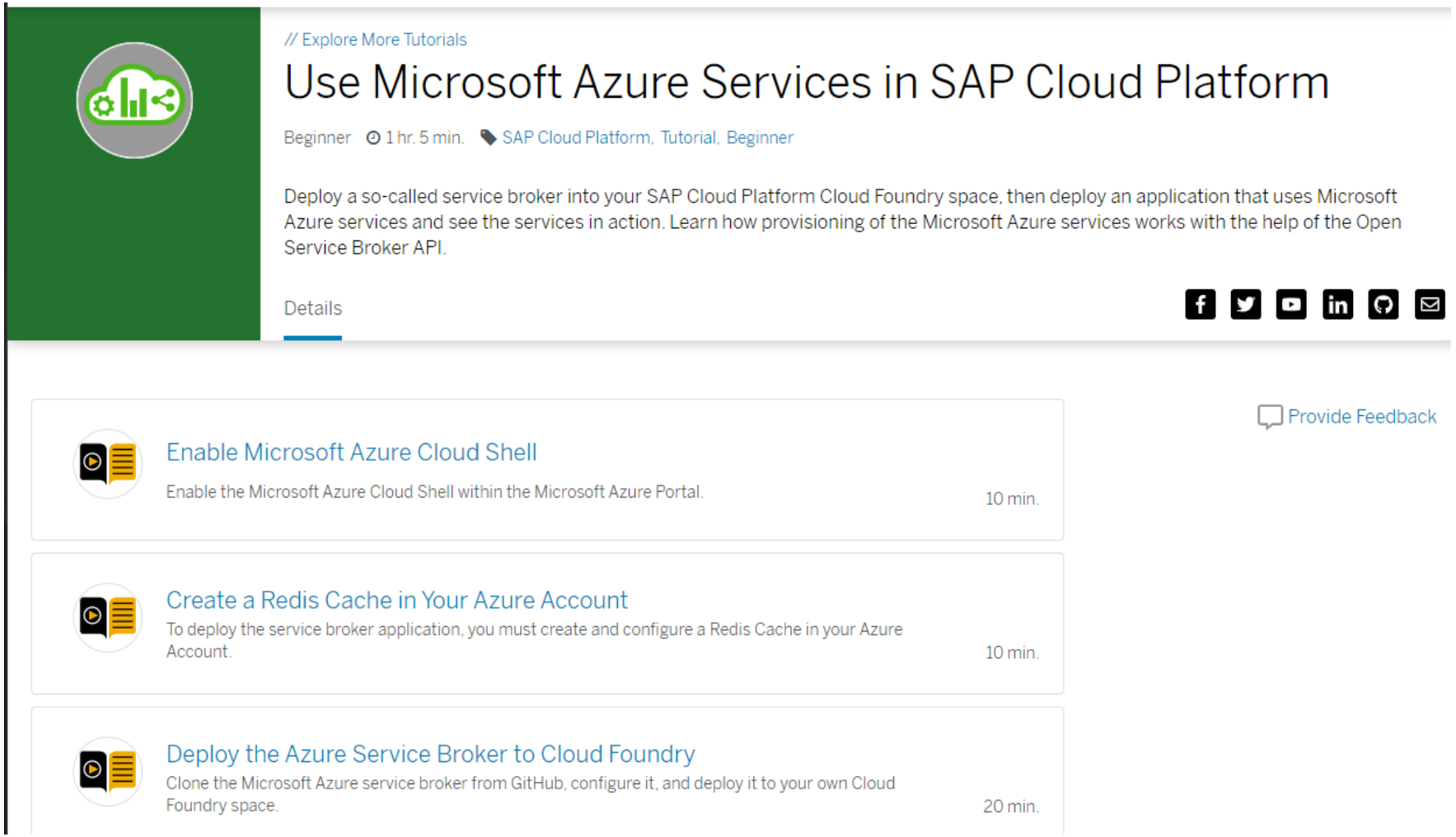
Demo
Open service broker Azure (OBSA) deployment

https://www.sap.com/products/cloud-platform/use-cases/consume-azure-services.html?btp=deb33688-7f0d-4bd1-bfec-f6fb7f103b0b

https://developers.sap.com/mission.cp-azure-services.html



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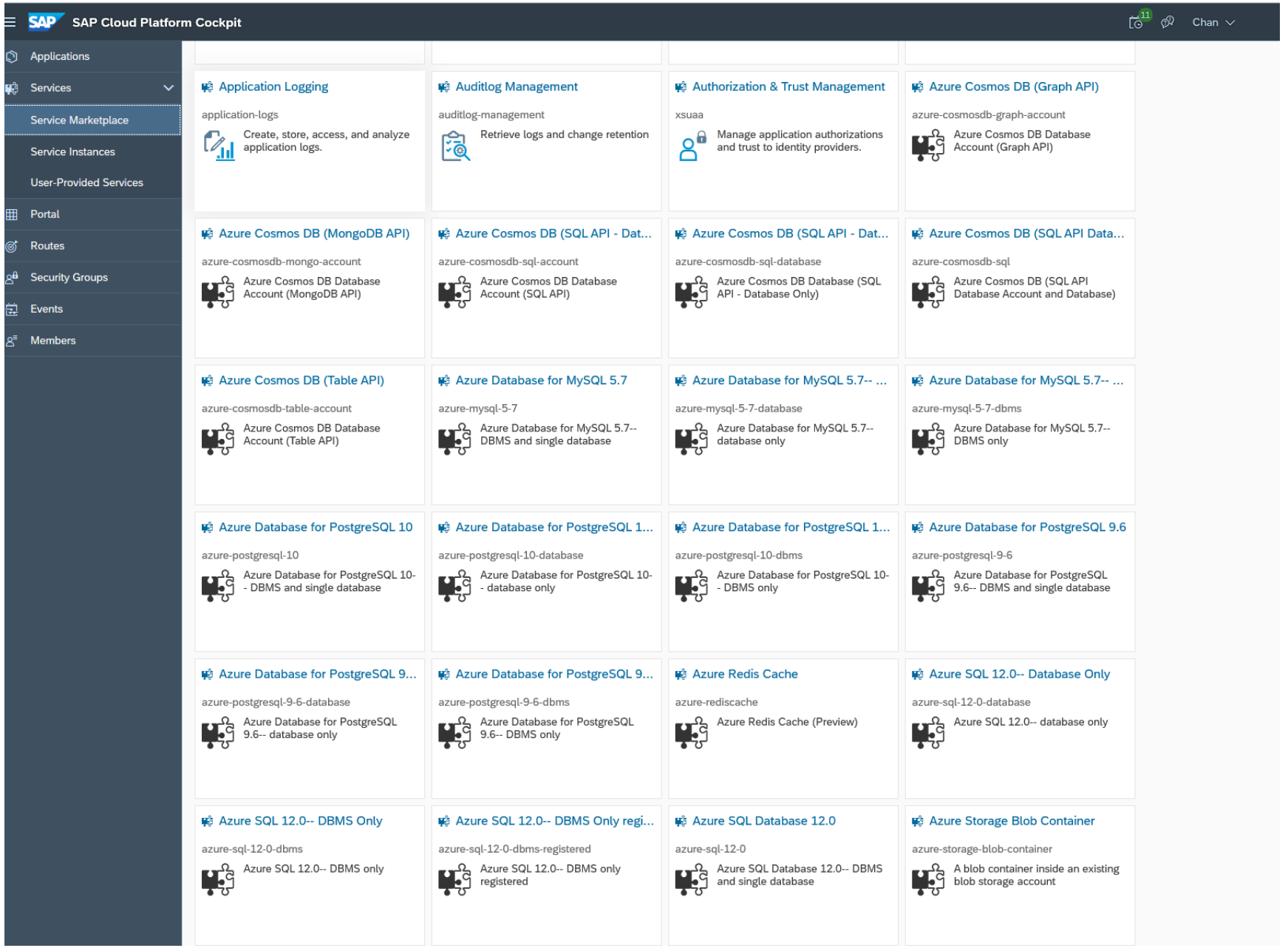

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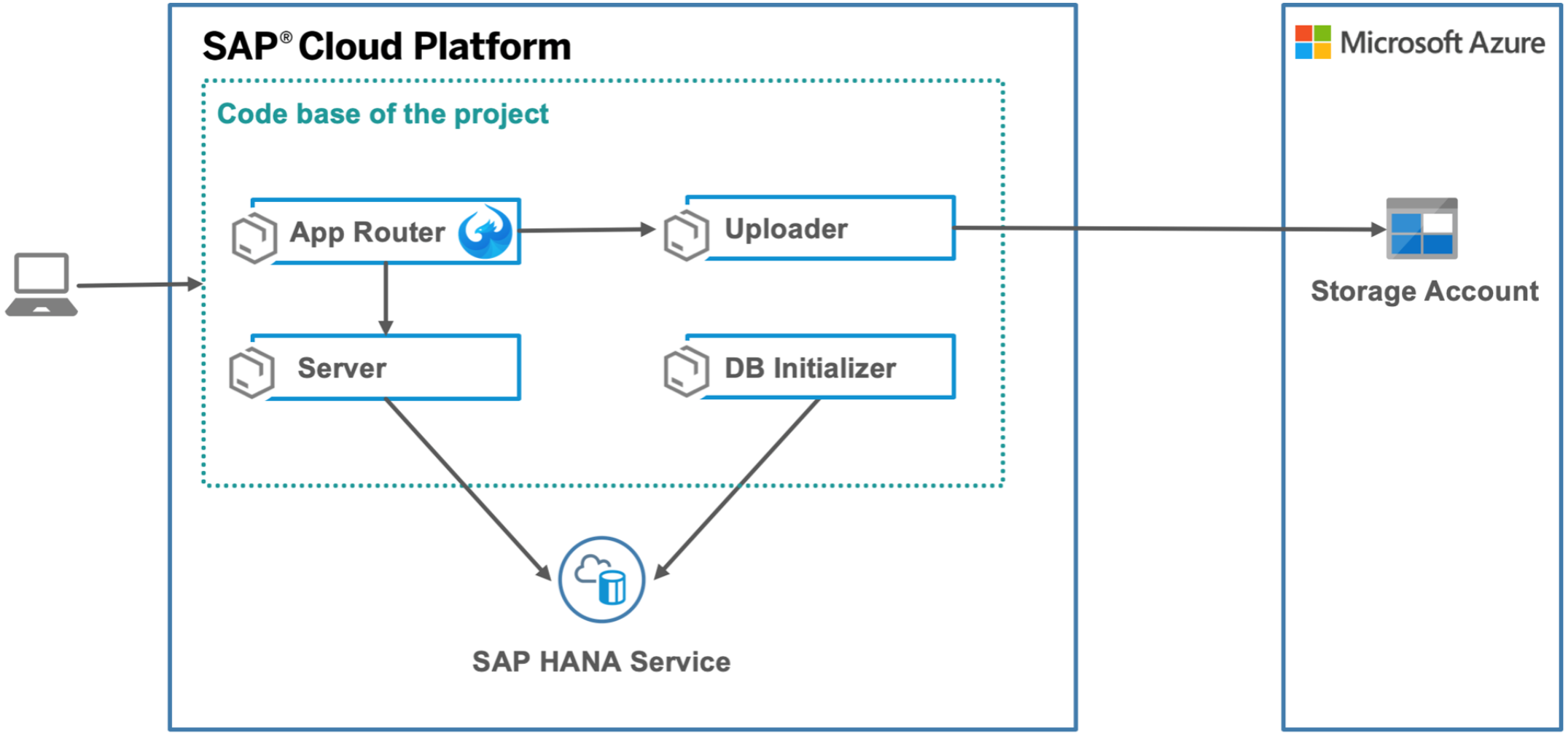
Architecture

The project consists of four modules, as shown in the architecture diagram:



Demo
cf MTA deployment

Multi-Target Application (MTA)

Instead of separately deploying applications and then making them work together, you package them in one specifically structured bundle, and deploy them in one run.

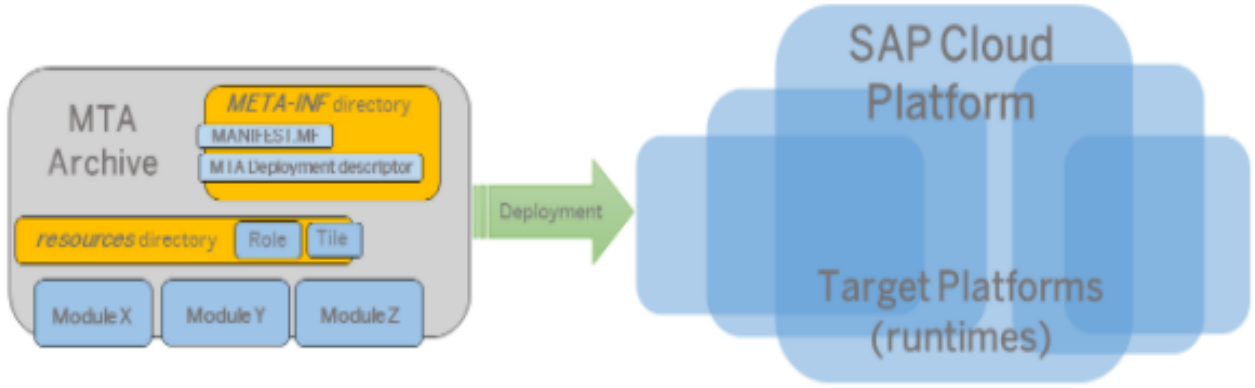


Figure 1 – An MTA with its components, and a Cloud with its runtimes

https://blogs.sap.com/2017/06/09/deploying-solutions-using-complex-application-bundles-mtas-on-the-sap-cloud-platform/

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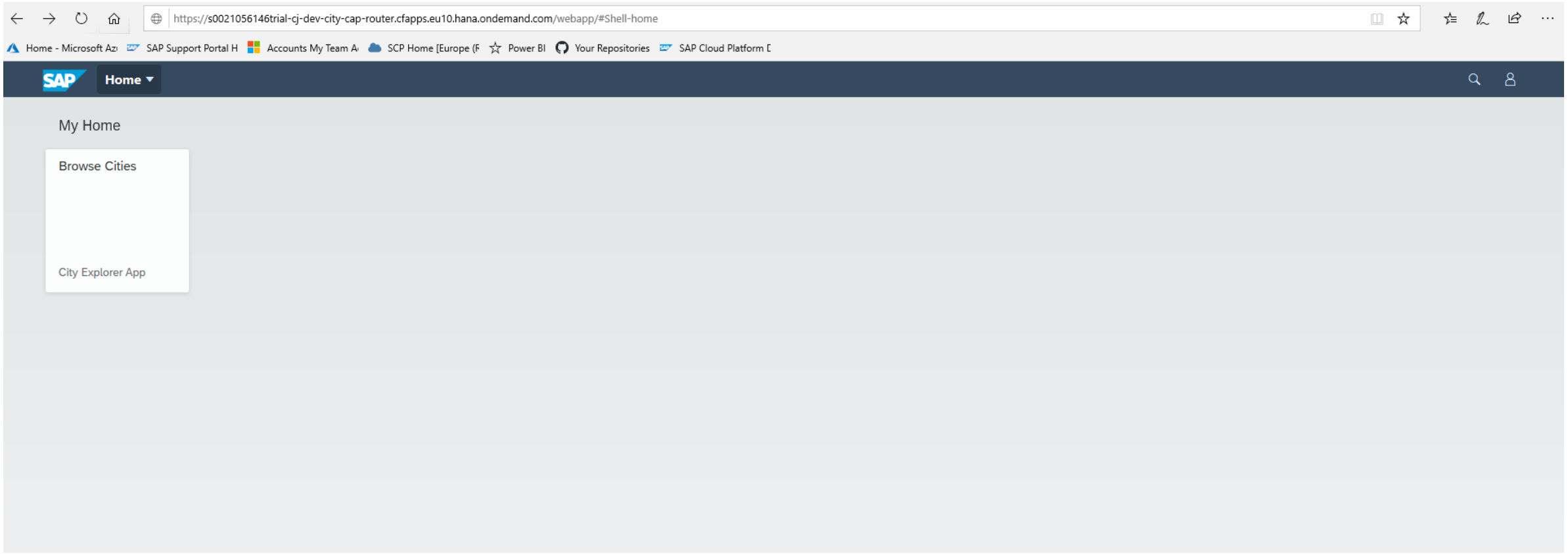
https://developers.sap.com/tutorials/cp-osba-azure-test-application.html

https://github.com/SAP-samples/cloud-foundry-cap-azure-cities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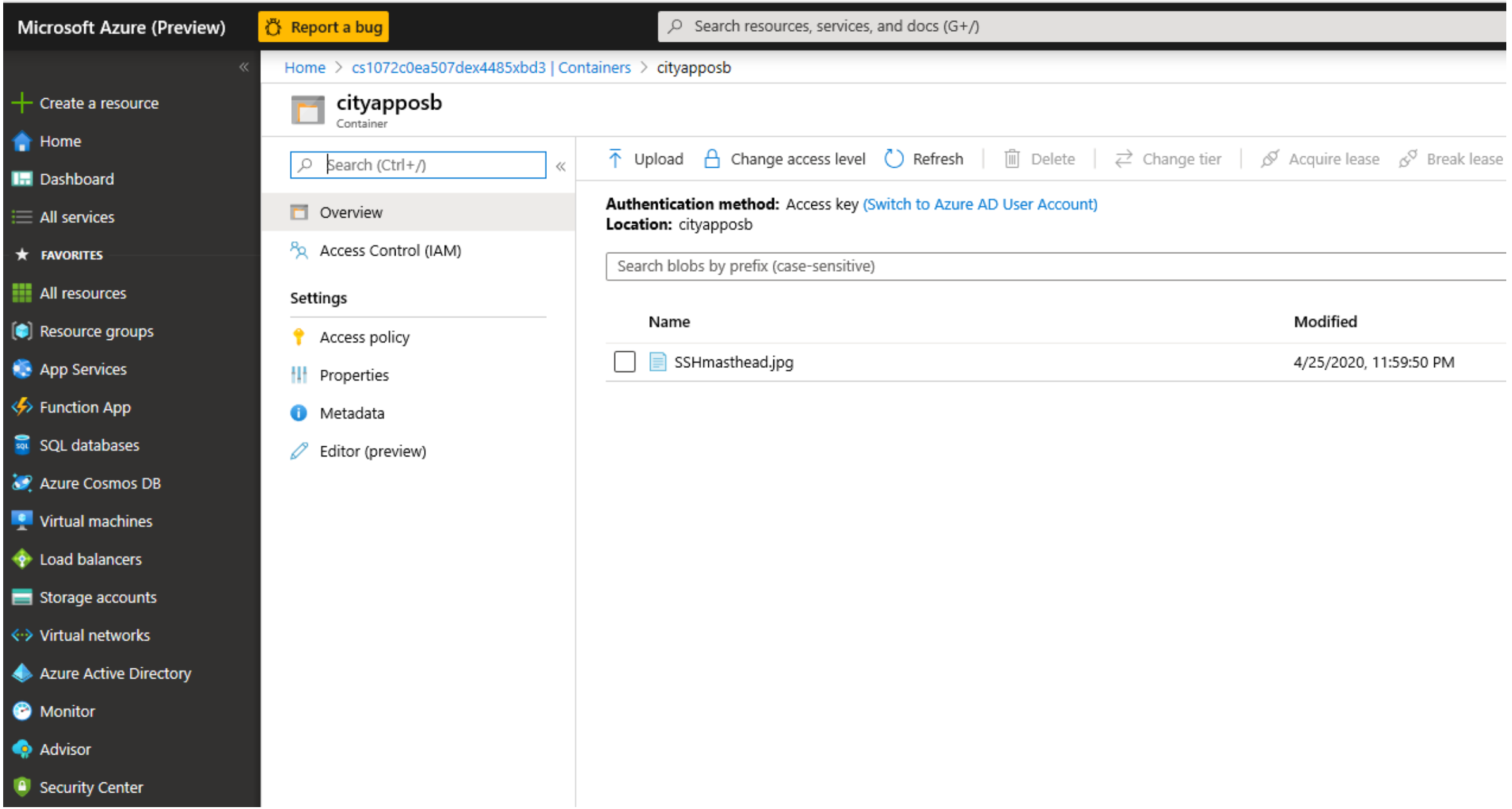
Home - Microsoft Azı
SAP Support Portal H
Accounts My Team A
SCP Home [Europe (F
Power BI
Your Repositories
SAP Cloud Platform D
Home
My Home
Browse Cities
City Explorer App



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Use case 2

Establish identity & authentication workflow between SAP and Microsoft

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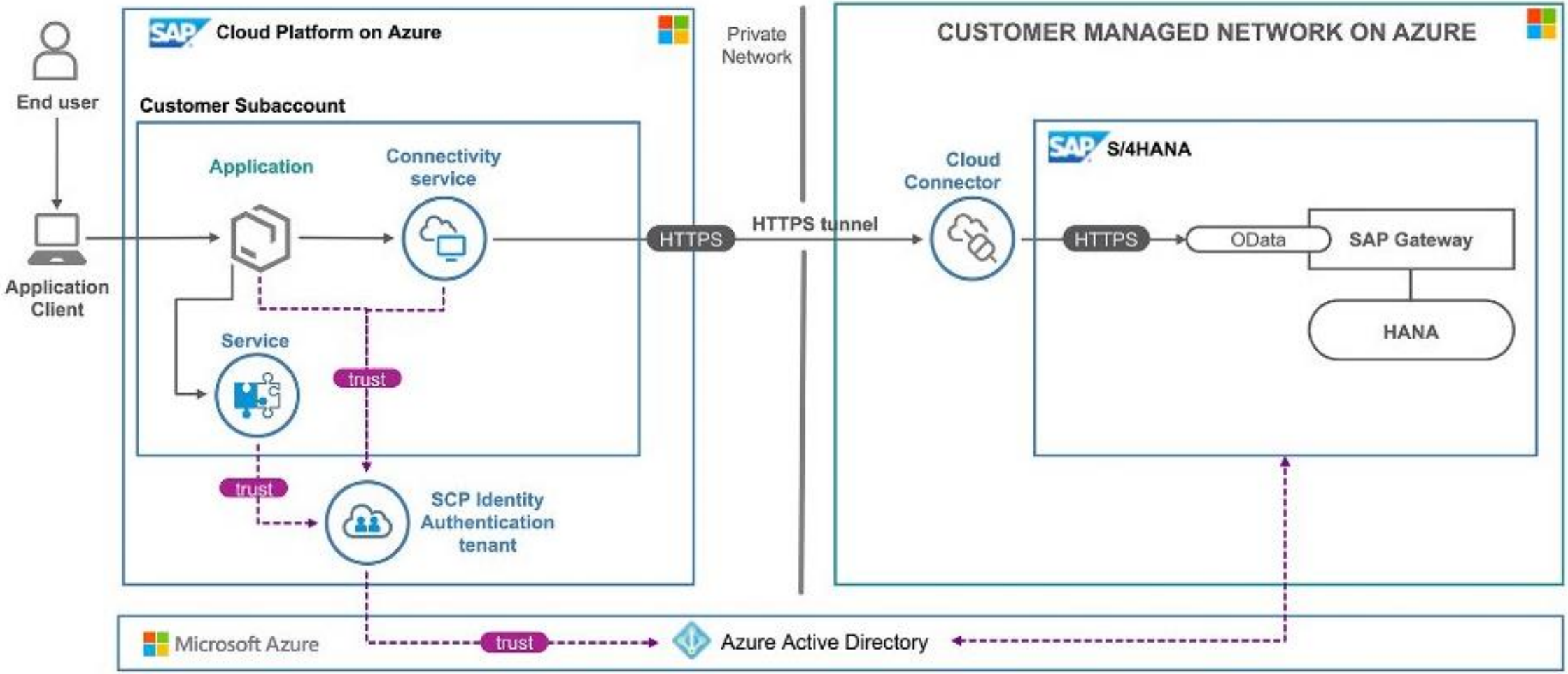
End user
Application Client
Cloud Platform on Azure
Customer Subaccount
Application
Connectivity service
Service
trust
trust
SCP Identity Authentication tenant
HTTPS
Private Network
HTTPS tunnel
CUSTOMER MANAGED NETWORK ON AZURE
Cloud Connector
S/4HANA
HTTPS
OData
SAP Gateway
HANA
Microsoft Azure
trust
Azure Active Directory

SAP Cloud Platform Identity Authentication | Overview

Enterprise Application

- Overview
- Deployment Plan
- Diagnose and solve problems

Manage

- Properties
- Owners
- Roles and administrators (Pre...
- Users and groups
- Single sign-on
- Provisioning
- Self-service

Security

- Conditional Access
- Permissions
- Token encryption

Activity

- Sign-ins
- Usage & insights (Preview)

Properties

Copy to clipboard

Name ⓘ
SAP Cloud Platform Identity...

Application ID ⓘ
6209cfc4-b06d-4ac4-a2e2-...

Object ID ⓘ
cc5daded-5623-43fc-8603-...

Getting Started

1. Assign users and groups

Provide specific users and groups access to the applications

Assign users and groups

2. Set up single sign on

Enable users to sign into their application using their Azure AD credentials

Get started

3. Provision User Accounts

Automatically create and delete user accounts in the application

Get started

4. Conditional Access

Secure access to this application with a customizable access policy.

Create a policy

Use case 3

Extend SAP S/4HANA with SAP and Microsoft Service

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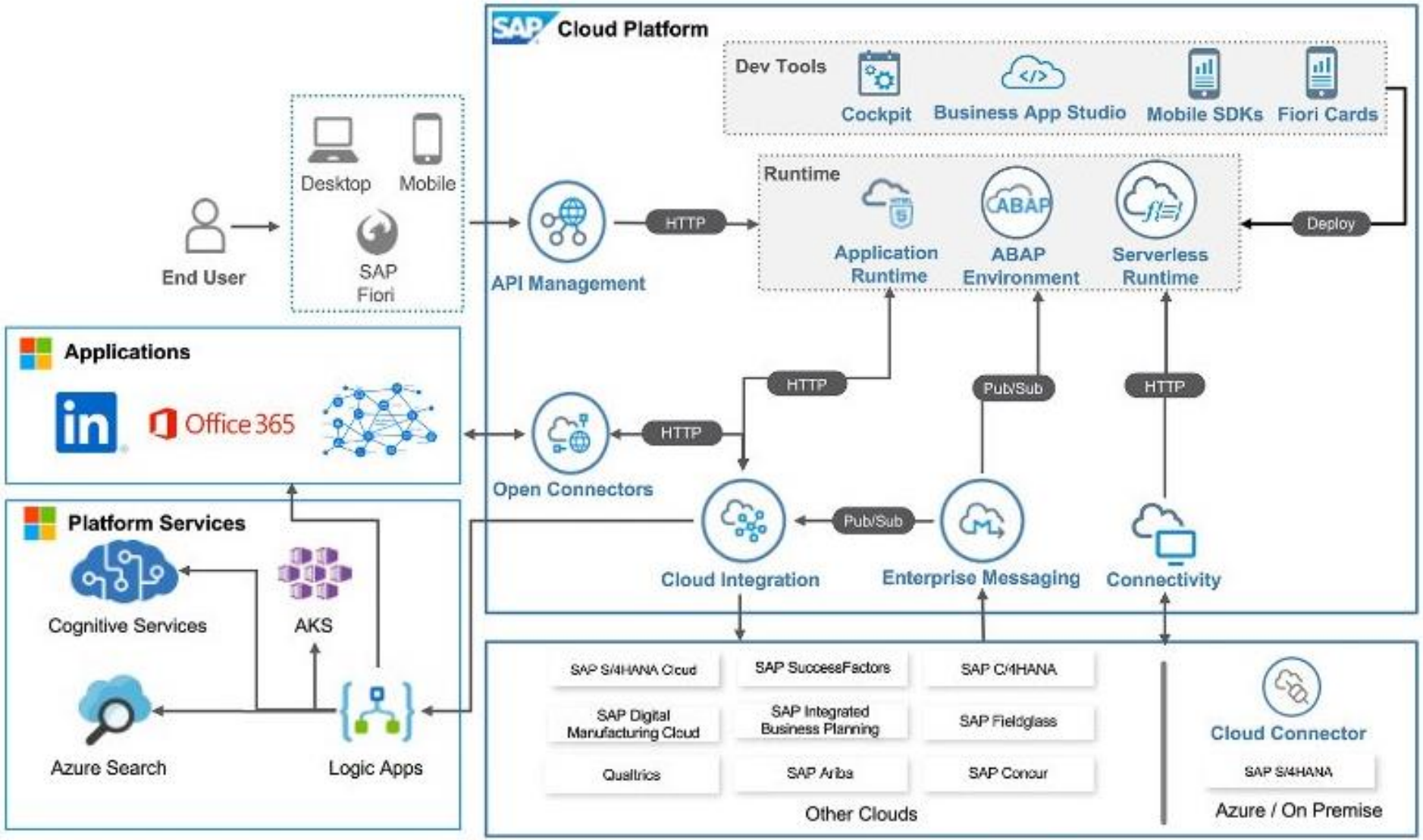

Cloud Platform
Dev Tools
Cockpit
Business App Studio
Mobile SDKs
Fiori Cards
Runtime
Application Runtime
ABAP Environment
Serverless Runtime
Deploy
End User
Desktop
Mobile
SAP Fiori
API Management
HTTP
Applications
Office 365
Open Connectors
HTTP
HTTP
Pub/Sub
HTTP
Platform Services
Cognitive Services
AKS
Azure Search
Logic Apps
Cloud Integration
Pub/Sub
Enterprise Messaging
Connectivity
SAP S/4HANA Cloud
SAP SuccessFactors
SAP C/4HANA
SAP Digital Manufacturing Cloud
SAP Integrated Business Planning
SAP Fieldglass
Qualtrics
SAP Ariba
SAP Concur
Other Clouds
Cloud Connector
SAP S/4HANA
Azure / On Premise

Use case 4

Simplify business process integration across SAP and Microsoft

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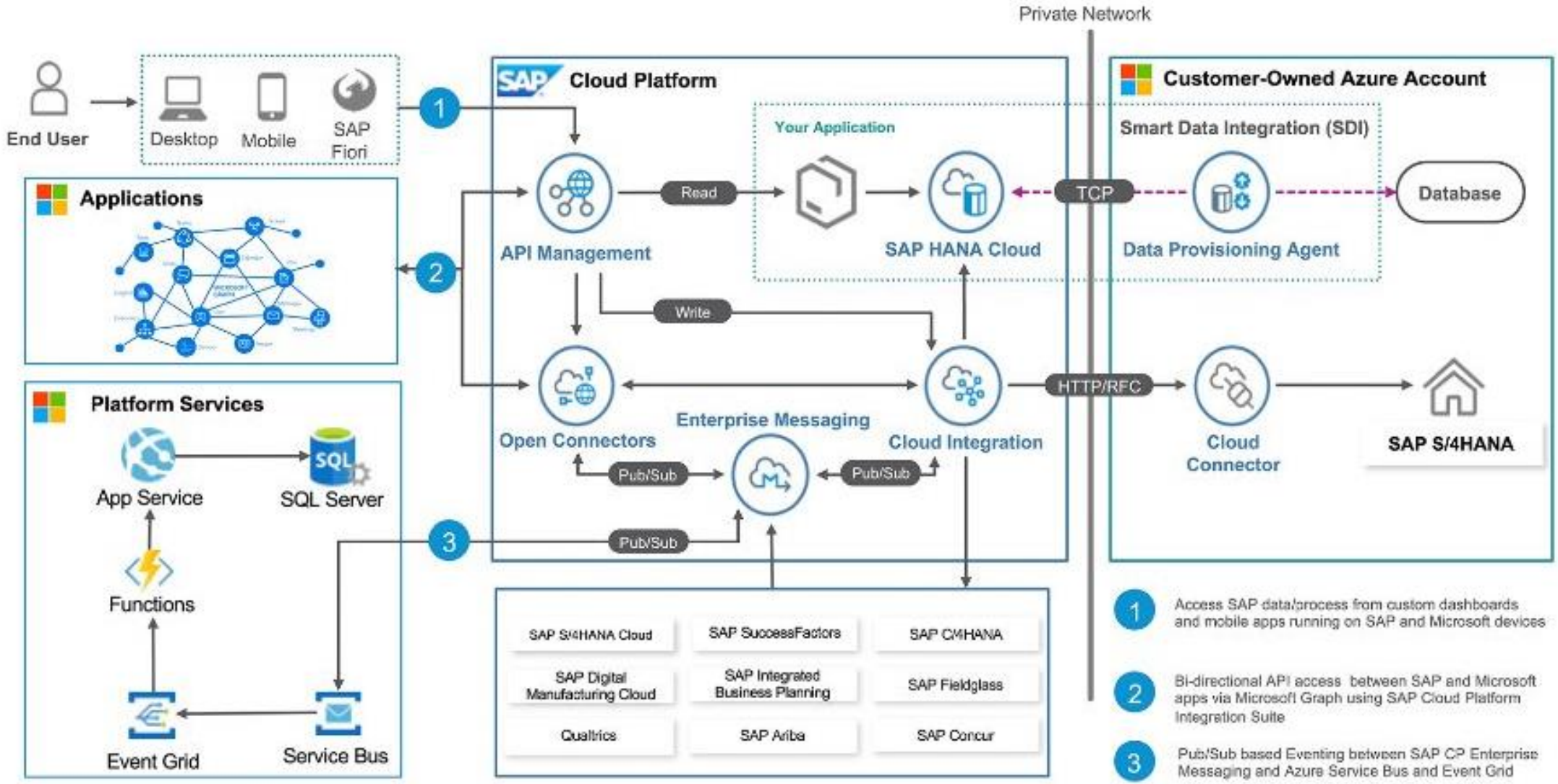

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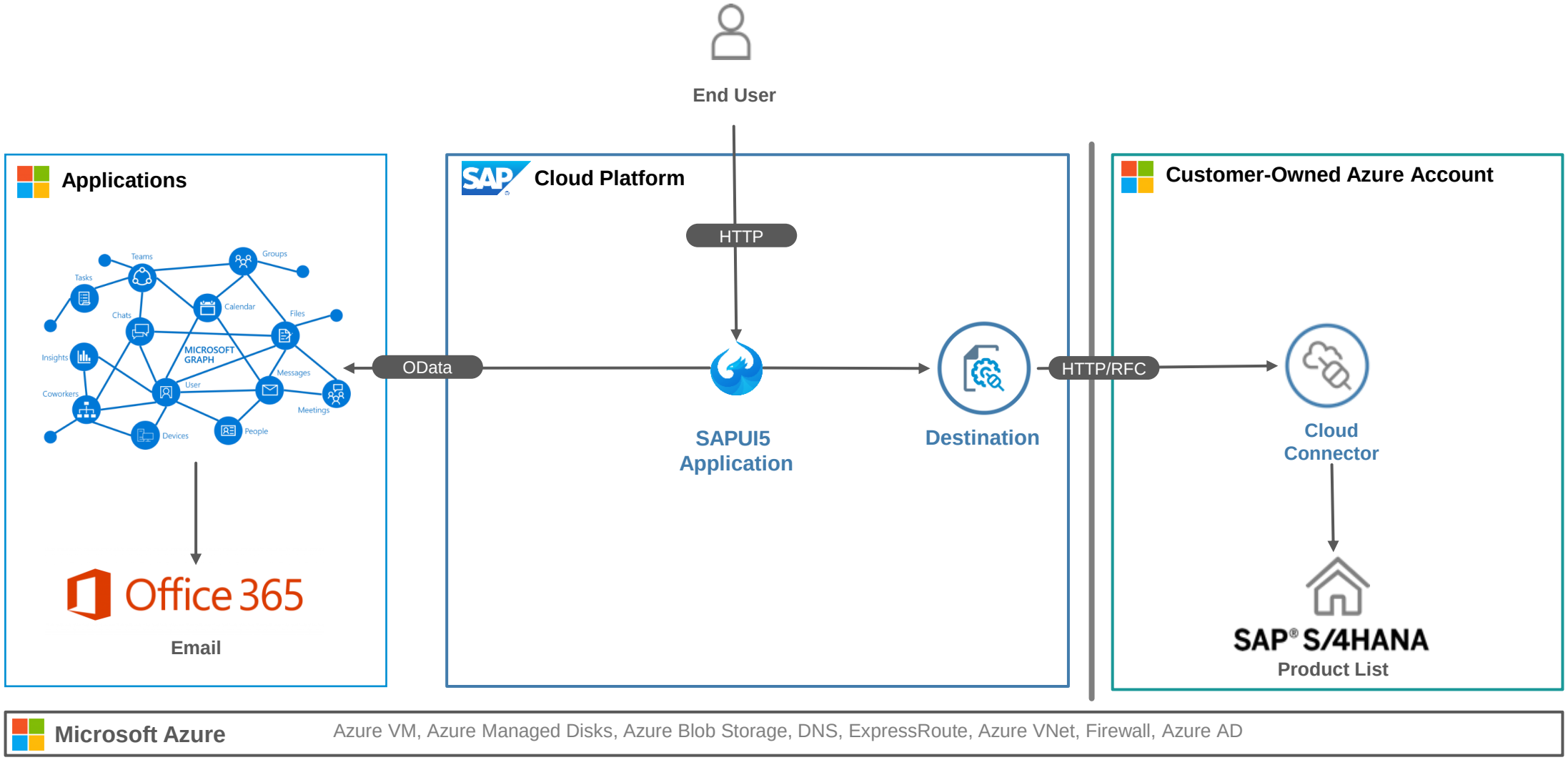
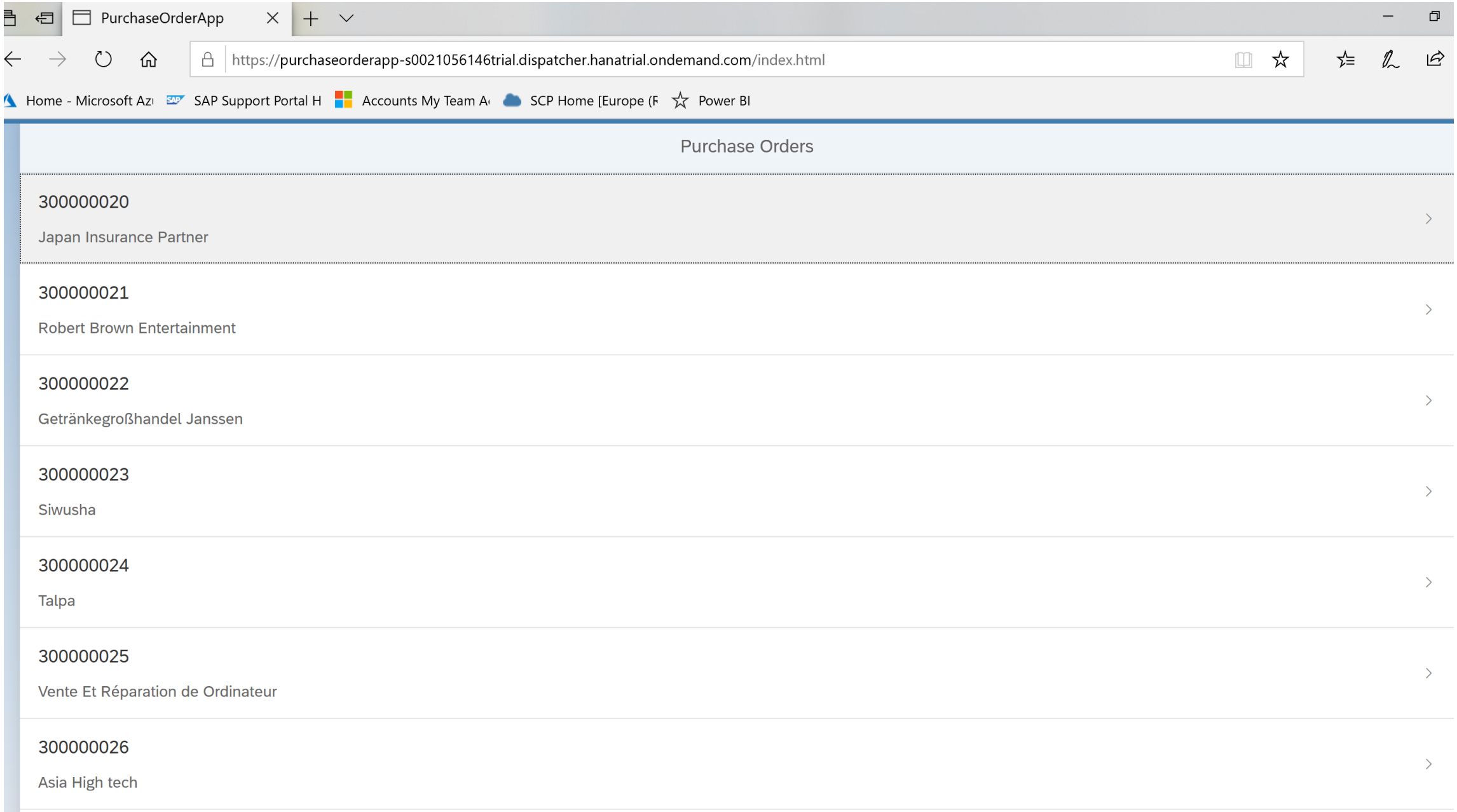
Connect Office365 and SAP Data Through by SAP UI5 Apps



Demo
Connect Office365 and SAP Data Through by SAP UI5 Apps

Microsoft SAP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Home - Microsoft Azı
SAP Support Portal H
Accounts My Team A
SCP Home [Europe (F
Power BI
Purchase Orders
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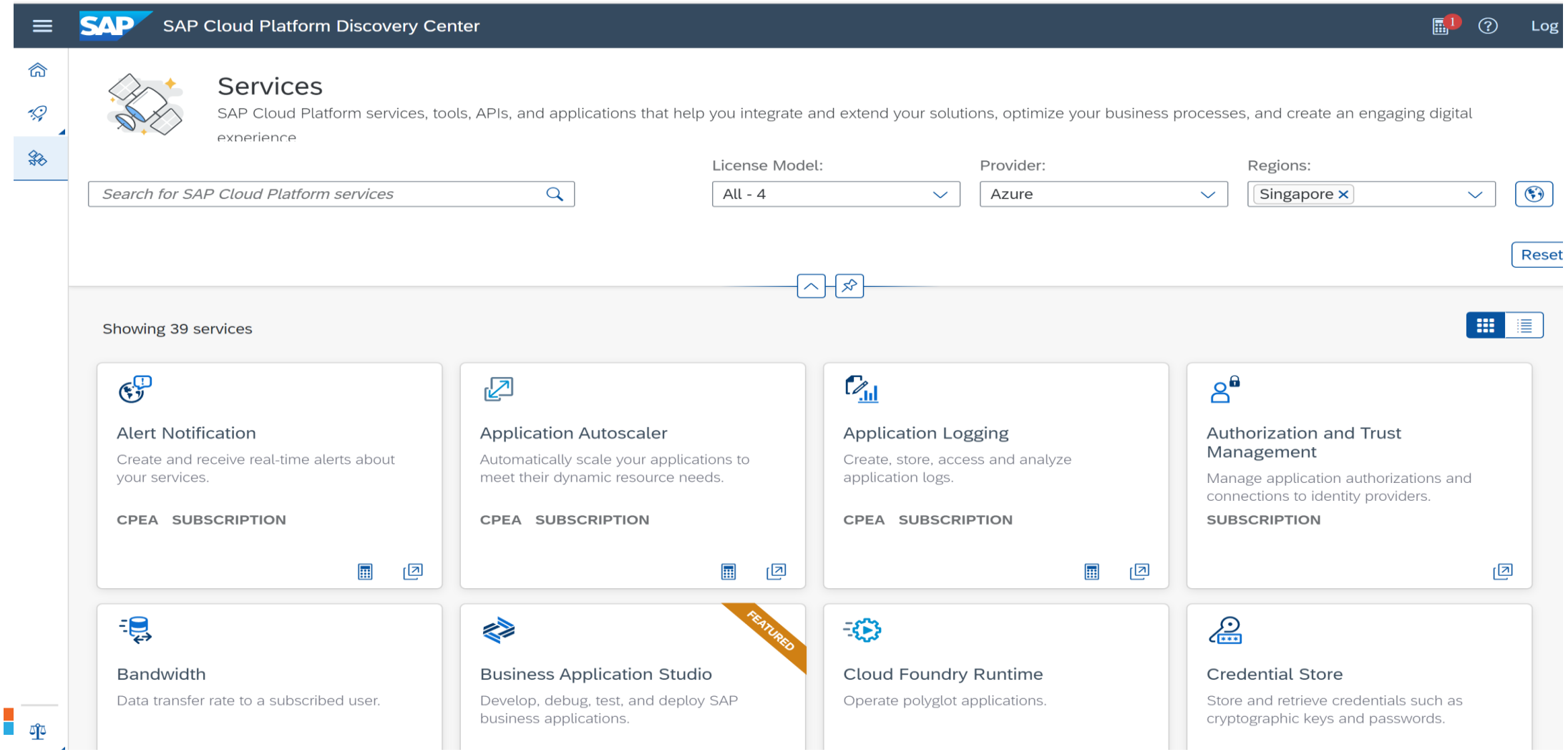
Japan Insurance Partner
300000021
Robert Brown Entertainment
300000022
Getränkegroßhandel Janssen
300000023
Siwusha
300000024
Talpa
300000025
Vente Et Réparation de Ordinateur
300000026
Asia High tech

Available SCP Services on Azure | Singapore

https://discovery-center.cloud.sap/viewServices



Questions & Answers

Microsoft Azure

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