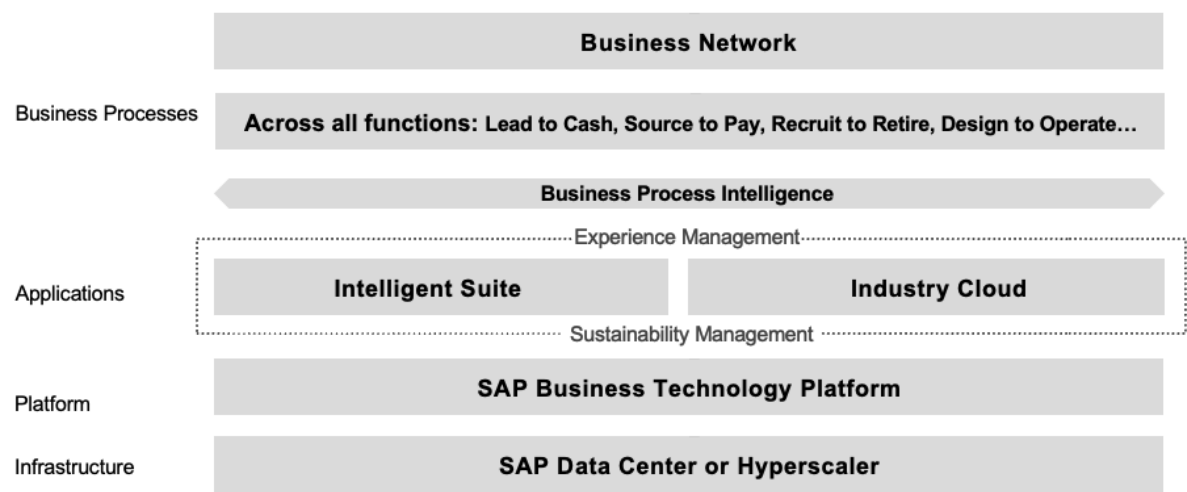


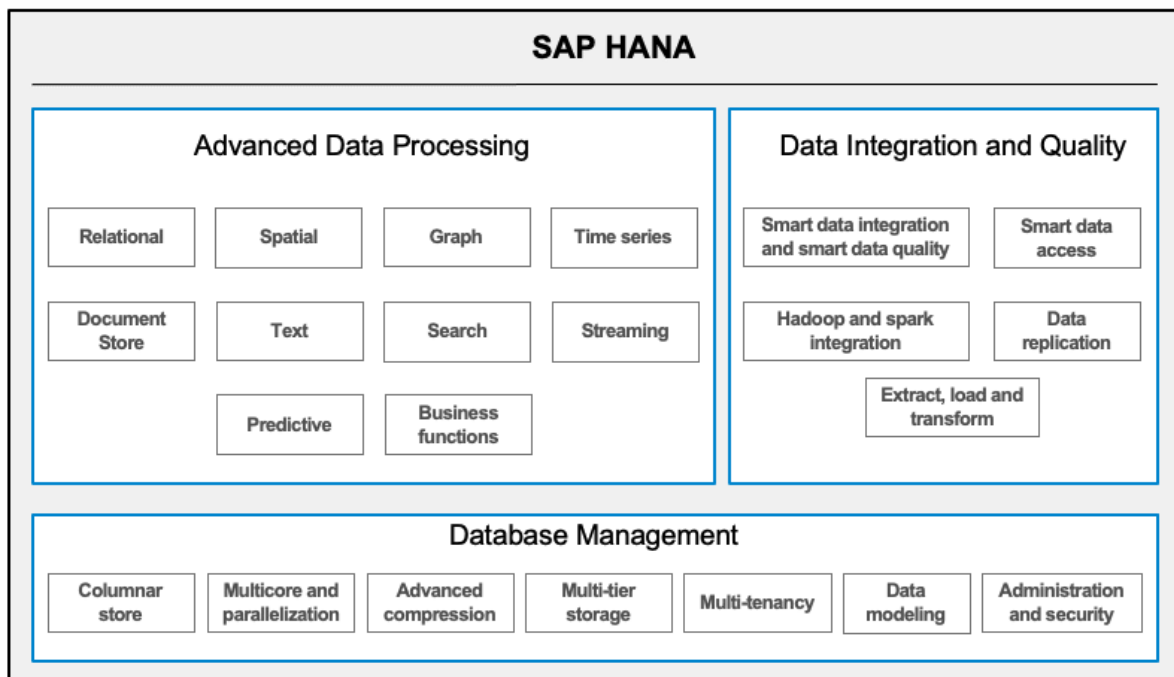
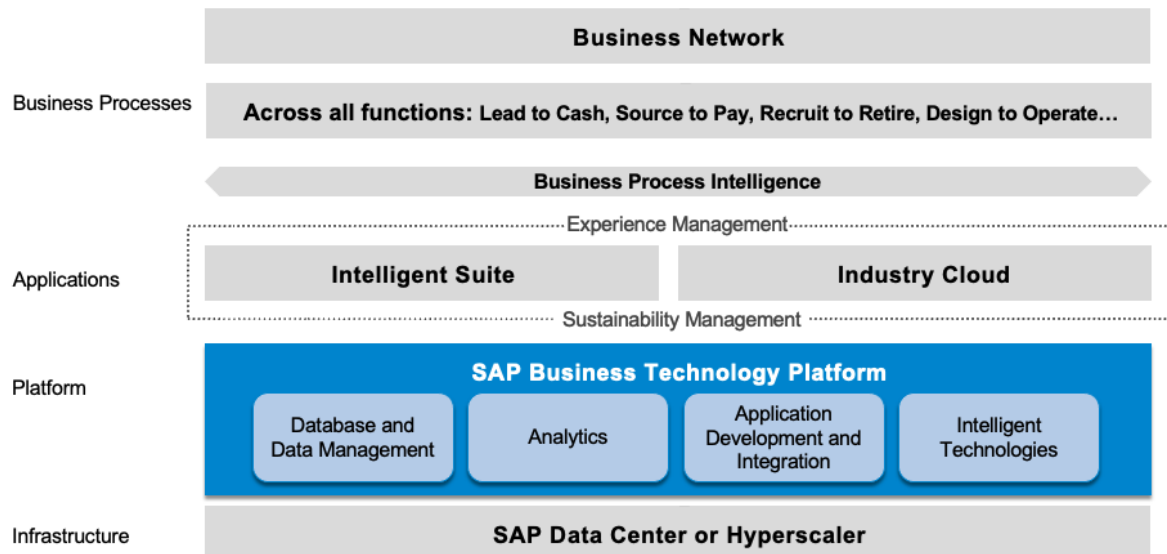
Chapter 1: The Intelligent Enterprise

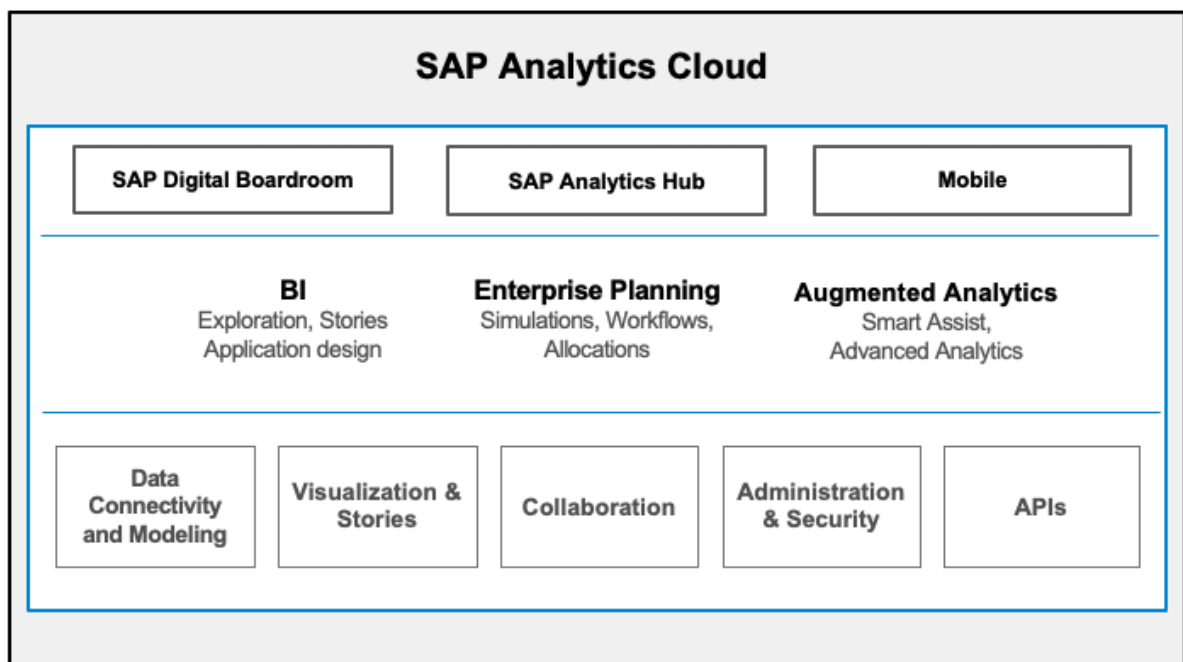
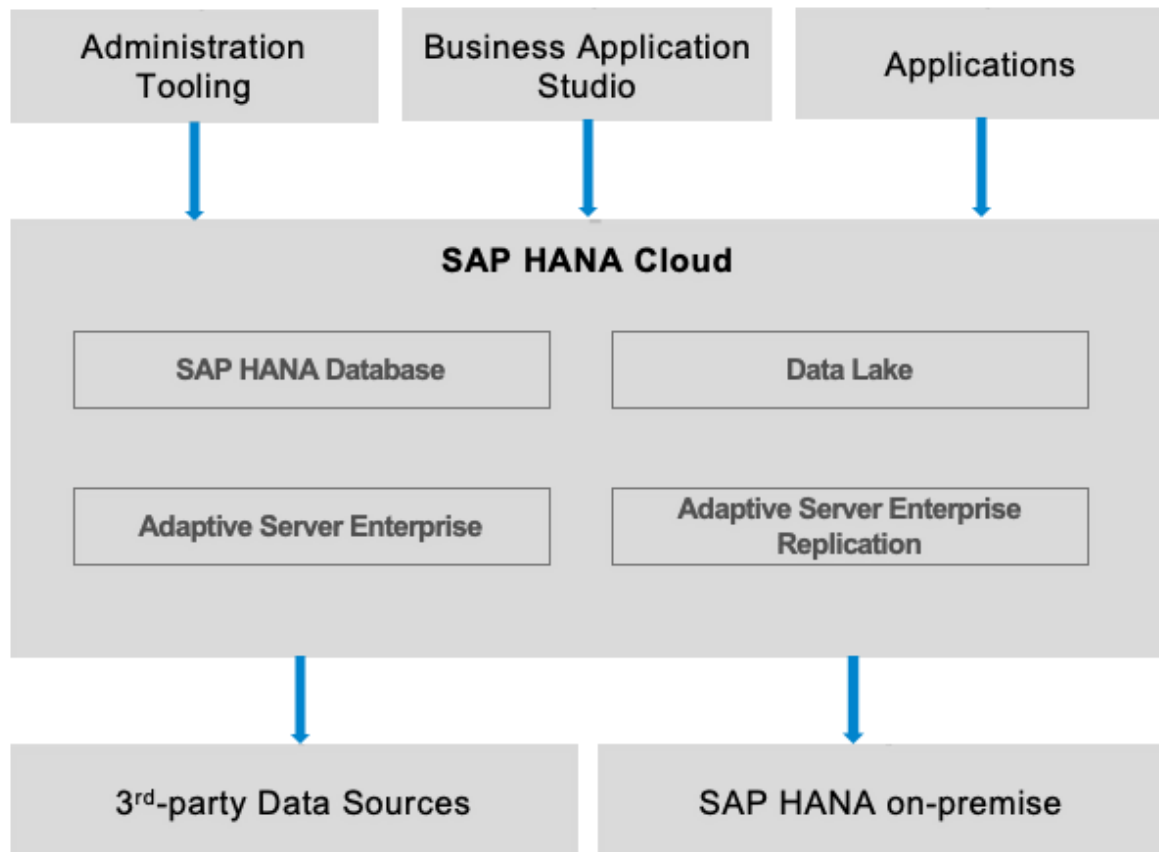
Intelligent Enterprise

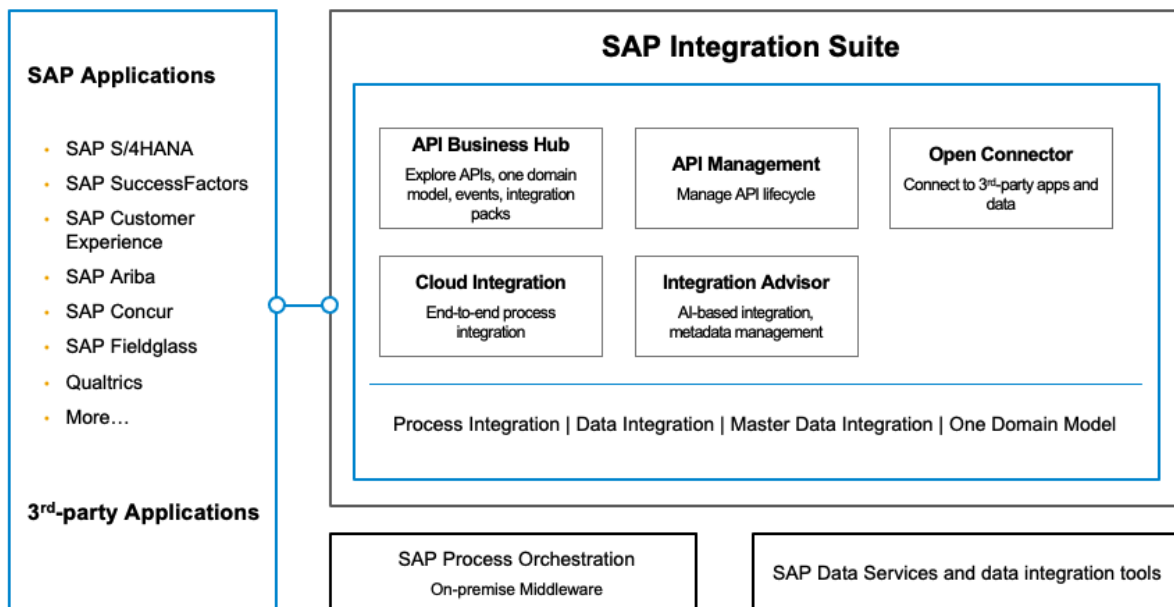
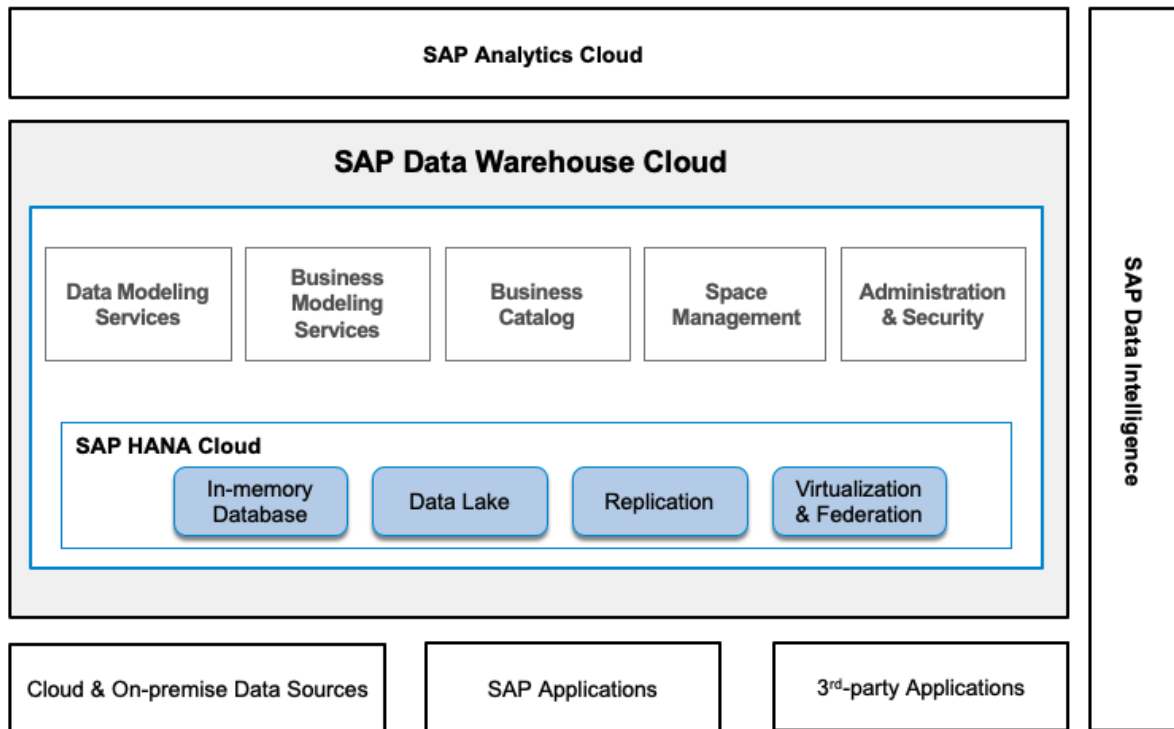


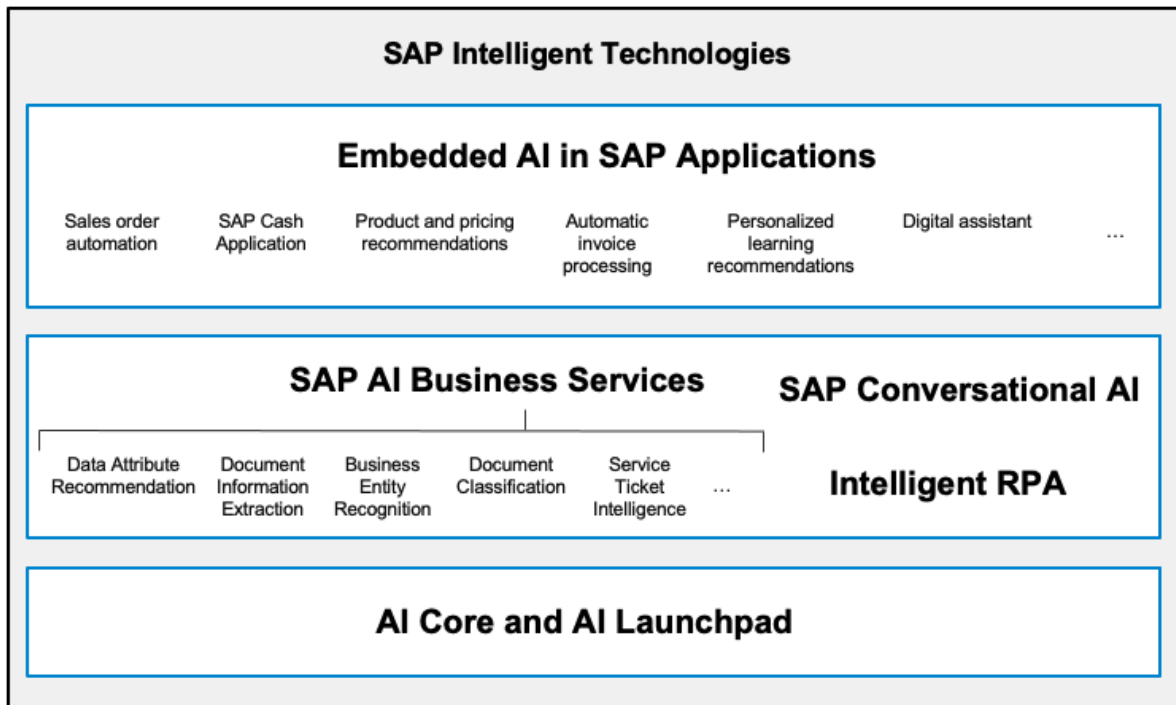
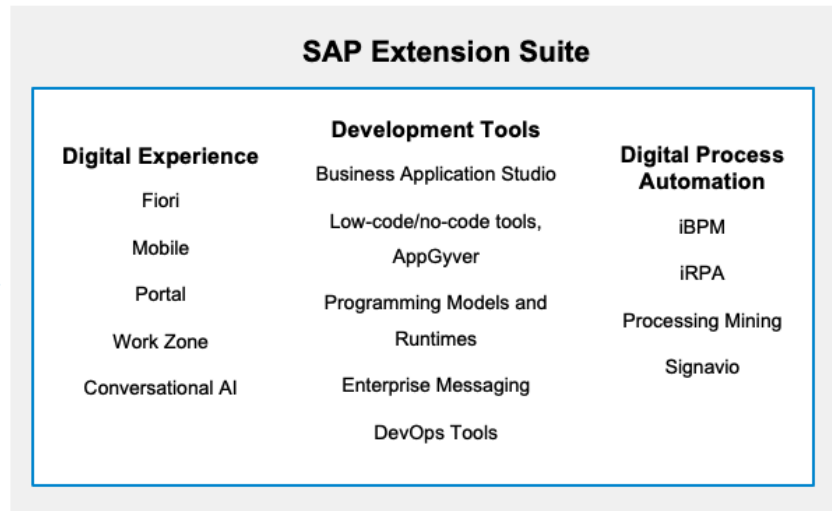
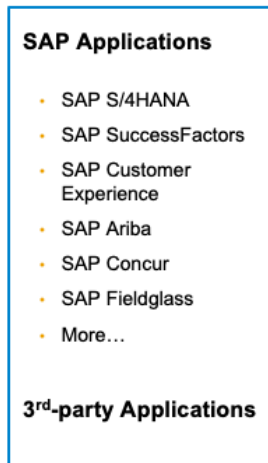
Chapter 2: SAP Business Technology Platform Overview

SAP BTP as the Platform for Intelligent Enterprise

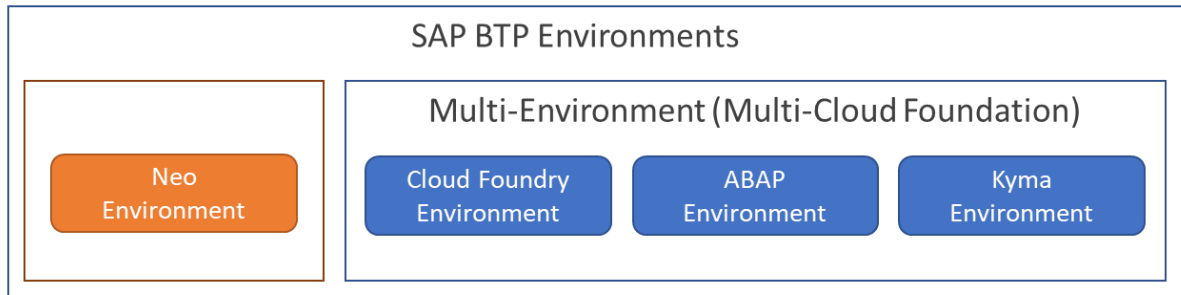








Chapter 3: Establishing a Foundation for SAP Business Technology Platform



STORE

Search by Solution, Publisher, Keyword

[Help](#) **United Kingdom** [Log On](#)

1 Your Selection Cart ID: 164341294

⚠ This item has the following prerequisite(s):

- [SAP Cloud Platform Portal](#)
- [SAP Business Application Studio](#)

If you have any questions about these prerequisites or need assistance in placing an order, please [contact us](#)



SAP Workflow Management

Provided by SAP (UK) Ltd.
SAP Workflow Management

Users

-

100

+

(Min 100)

Duration

3 month

▼

Price per user per month

GBP 2.58

Start Date

05-Sep-2021

14

Subtotal

GBP 774.00

[Enter a promotion code](#)

Estimated Tax

GBP 154.80

TOTAL

GBP 928.80

Export

Environment:

Environment:

Service:

Integration Suite

Directory/Subaccount:

☐ trial (All

Space:

Period:

Current Month

Service Plan	Subaccounts	Available Regions	Usage in Current Month
Integration Suite - Messages	1	cf-eu10	1 message
	1	cf-eu10	1 message
Integration Suite - Trial	1	cf-eu10	1 tenant

Monthly Usage ⓘ

Usage for the selected service plan



Directory/Subaccount:

00 trial (All)00 trial (All)

Space:

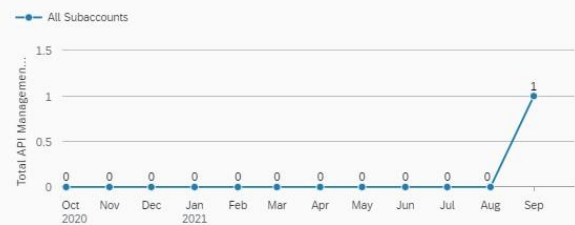
Period:

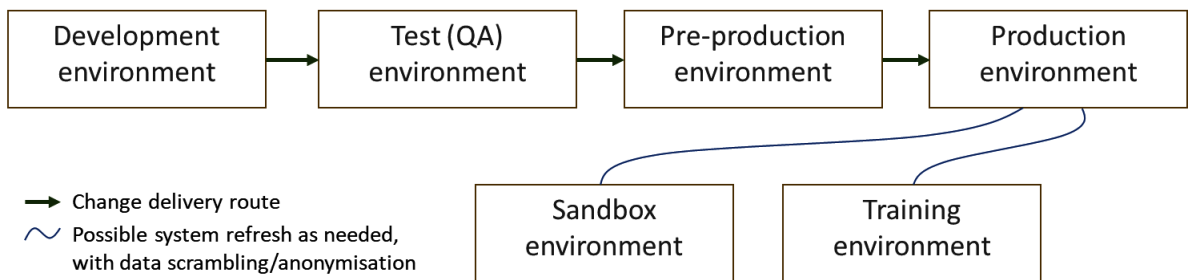
Last 12 Months

Service Plan	Subaccounts	Usage in Current Month
Integration Suite - Messages	1	1 message
	1	1 message
Integration Suite - Trial	1	1 tenant
Kyma Runtime - Standard	1	169.0 capacity units
Launchpad Service - Standard	1	1 user
	1	1 user

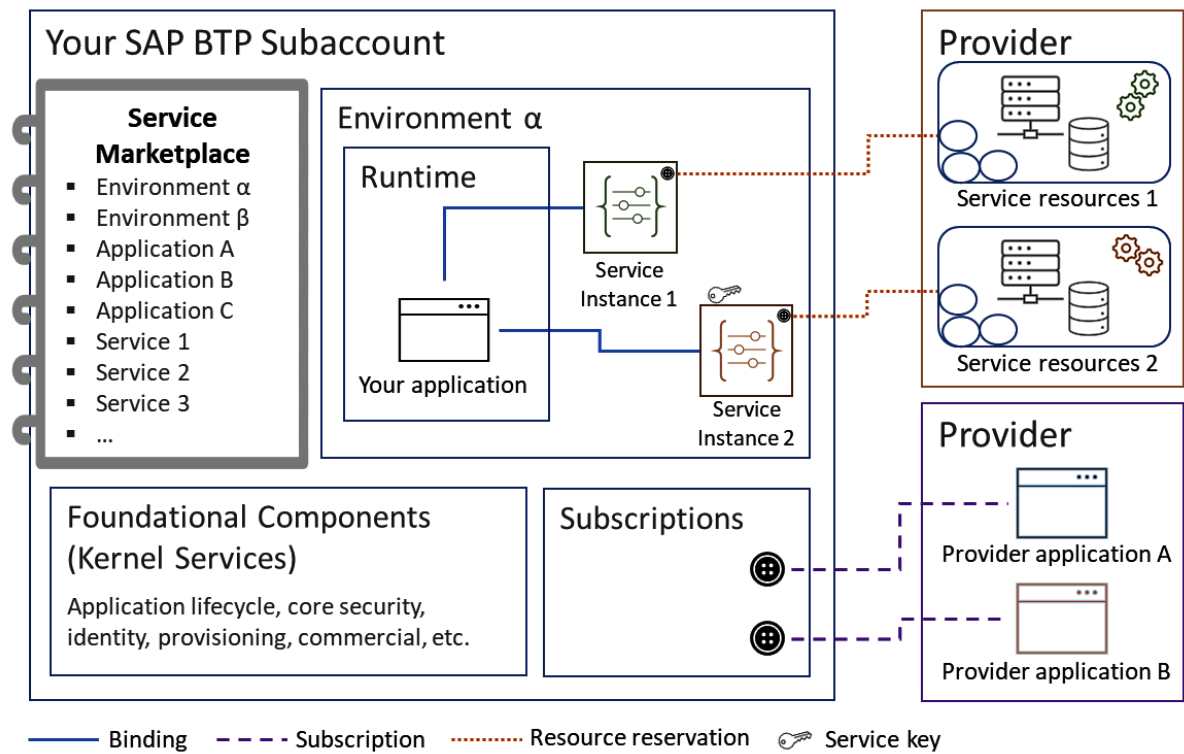
Monthly Usage ⓘ

Usage for the selected service plan



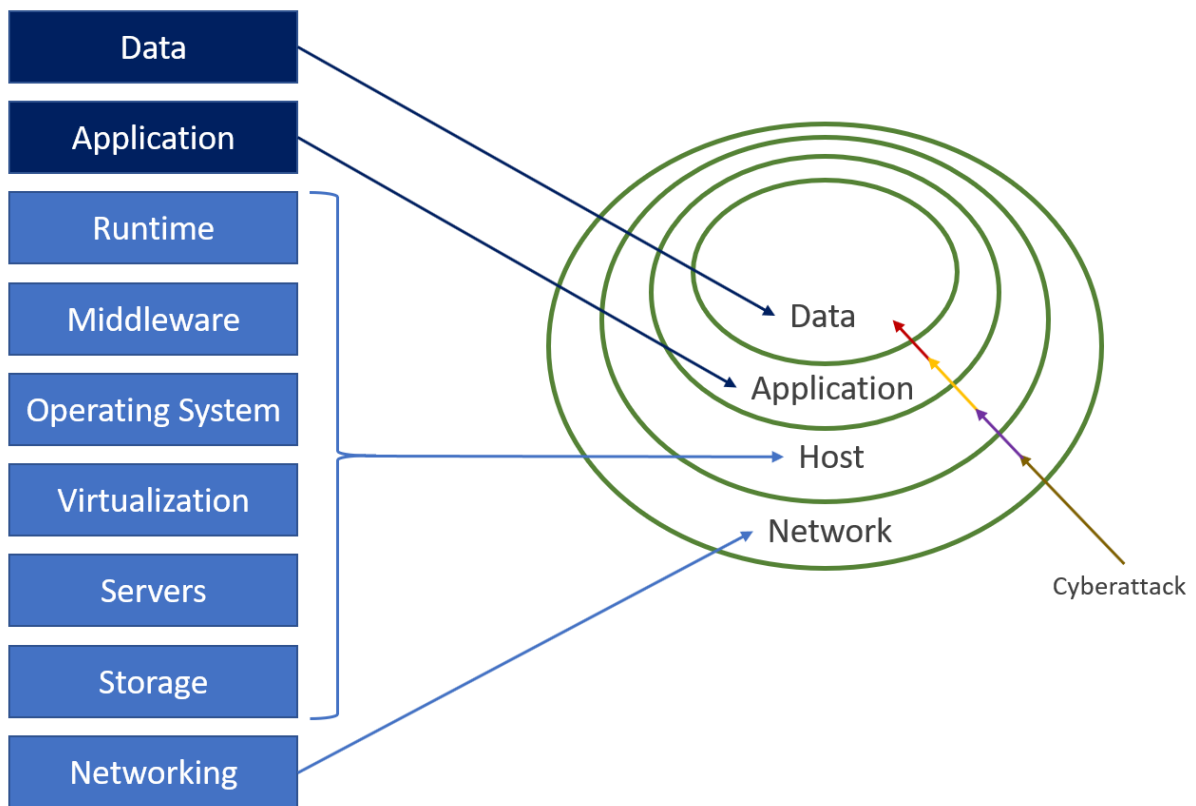


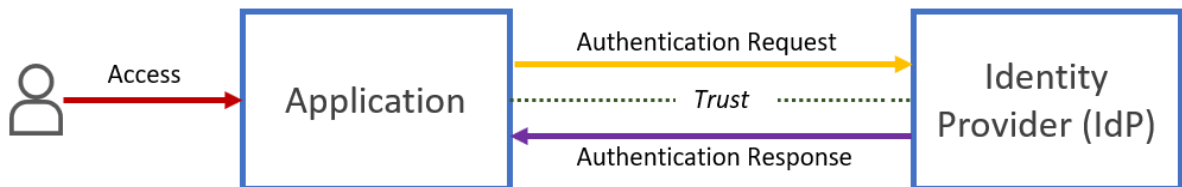
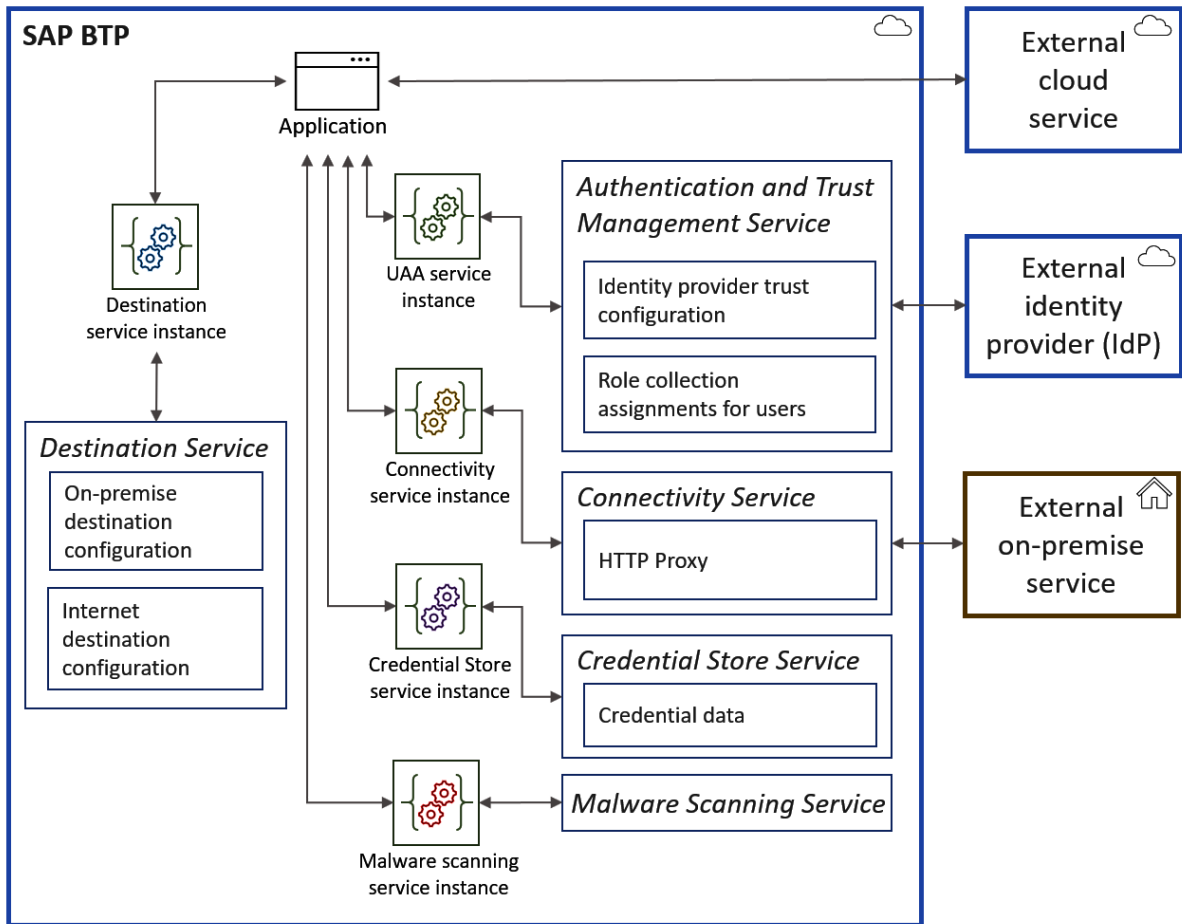
Business Unit 1 Region A Multi-Environment	Development	Test	Pre-production	Production	Training	Sandbox
Business Unit 1 Region B Multi-Environment			Pre-production	Production		
Business Unit 1 Region A Multi-Environment Product X	Development	Test	Pre-production	Production		
Business Unit 2 Region A Neo Environment	Development	Test	Pre-production	Production		
Business Unit 2 Region A Multi-Environment	Development	Test	Pre-production	Production	Training	

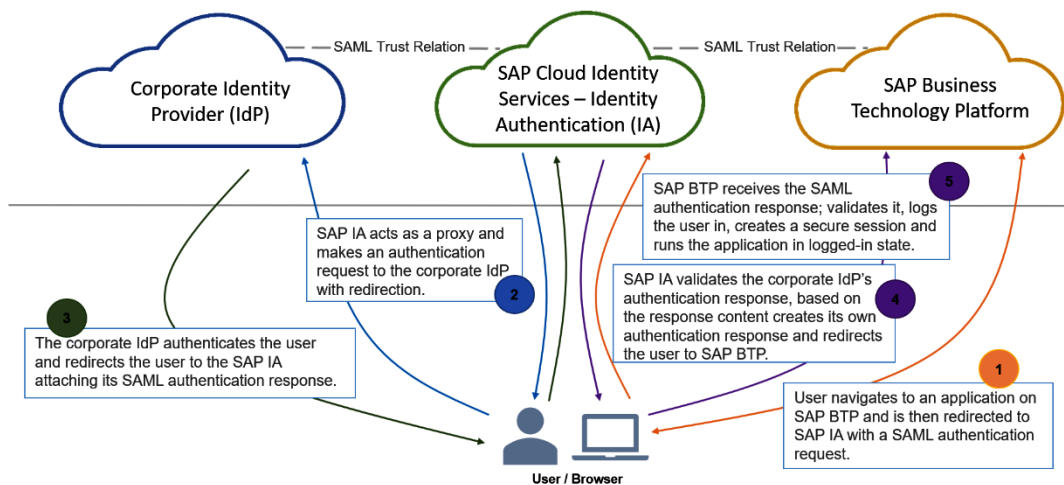
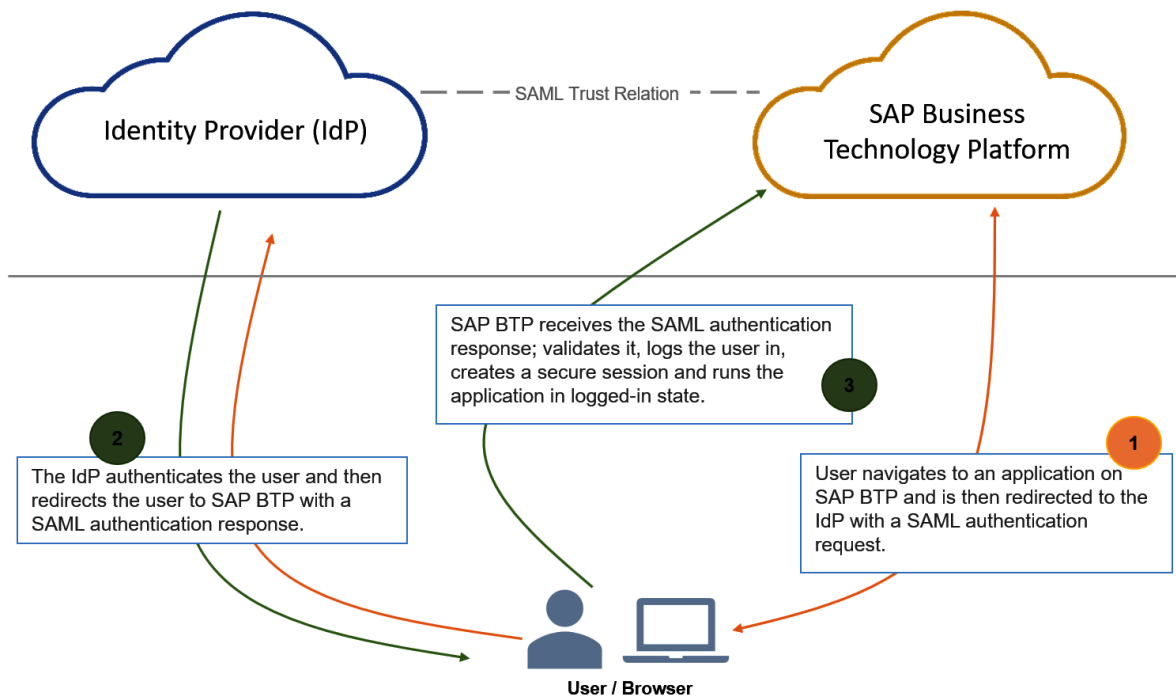


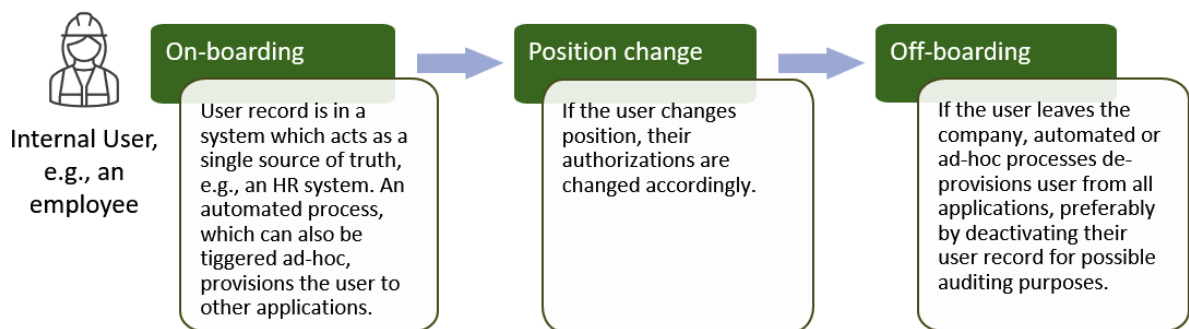
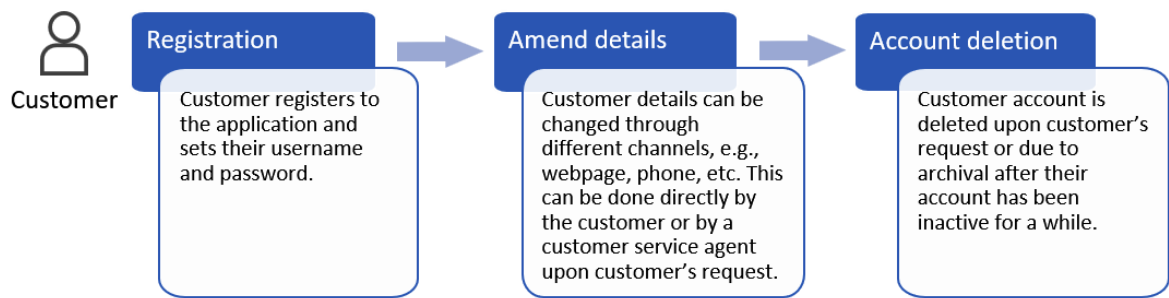
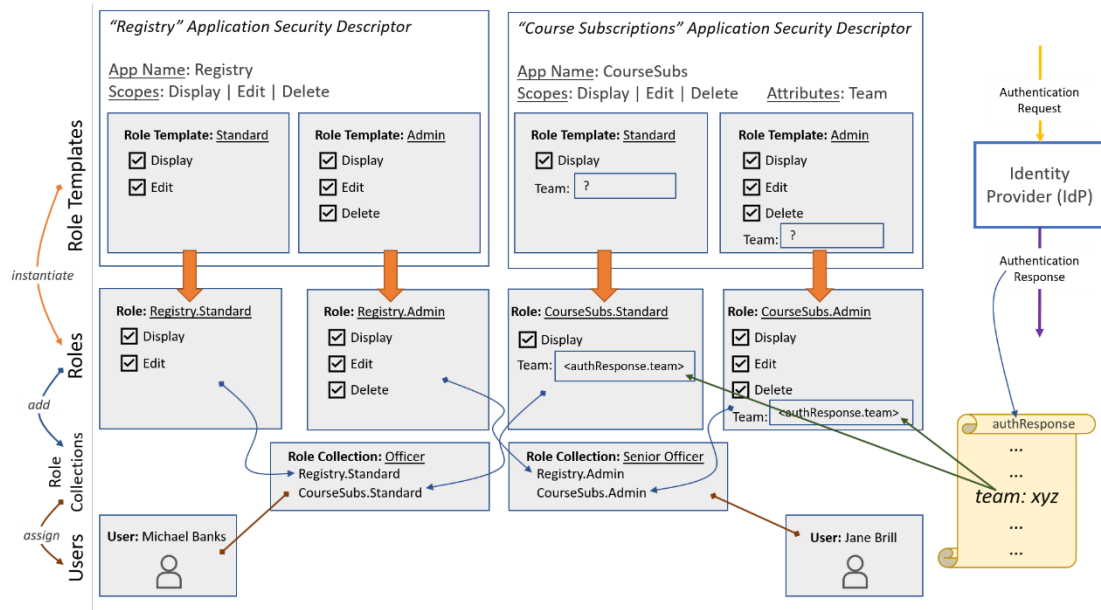
Integration	Data-to-Value	Extensibility
<ul style="list-style-type: none"> ▪ SAP Integration Suite <ul style="list-style-type: none"> ▪ Cloud Integration ▪ API Management ▪ API Business Hub ▪ Open Connectors ▪ Integration Advisor ▪ Event Mesh ▪ ... 	<ul style="list-style-type: none"> ▪ SAP HANA Cloud <ul style="list-style-type: none"> ▪ HANA DB, ASE, Data Lake ▪ SAP Analytics Cloud ▪ Data Warehouse Cloud ▪ PostgreSQL (hyperscaler) ▪ Redis (hyperscaler) ▪ Object Store ▪ ... 	<ul style="list-style-type: none"> ▪ SAP Workflow Management ▪ SAP Intelligent RPA (iRPA) ▪ Cloud Foundry and Kyma Runtimes ▪ Authorization and Trust Management ▪ Business Application Studio ▪ Continuous Integration and Delivery ▪ ...
<ul style="list-style-type: none"> ▪ SAP Data Intelligence ▪ Master Data Integration 		

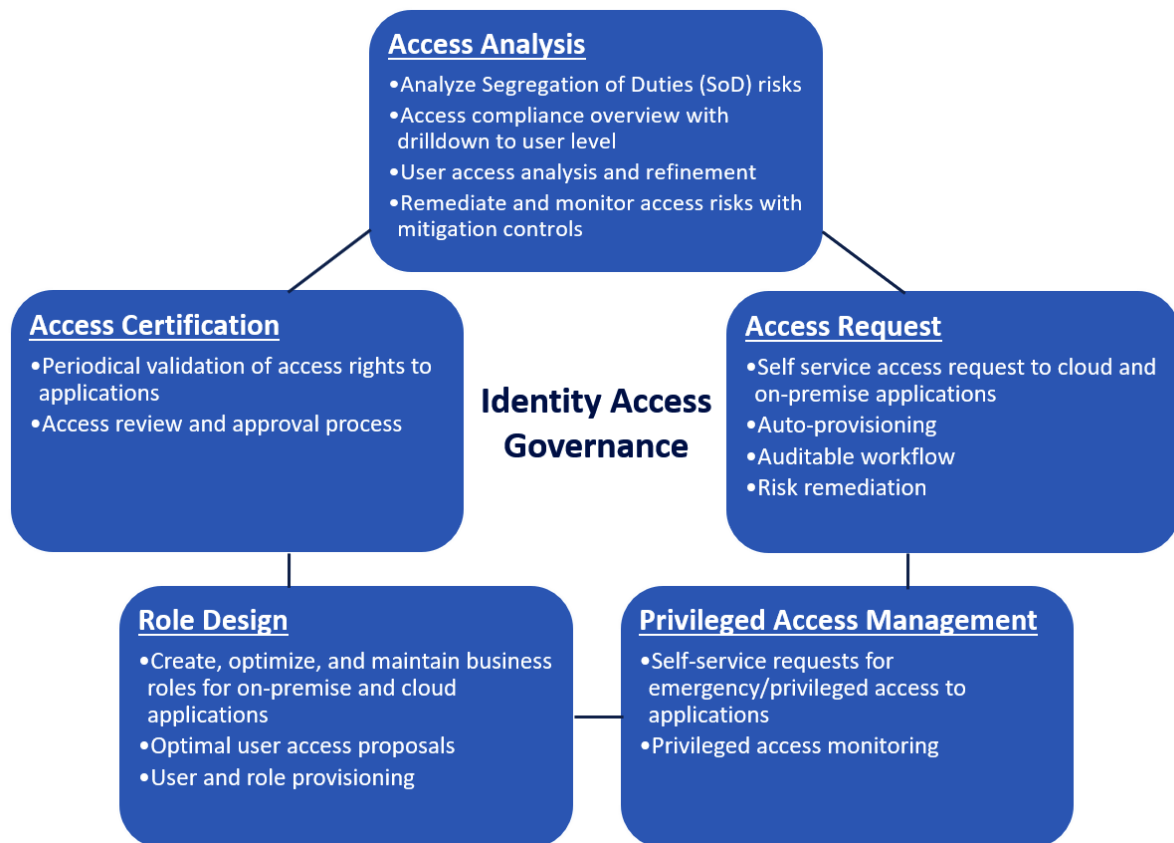
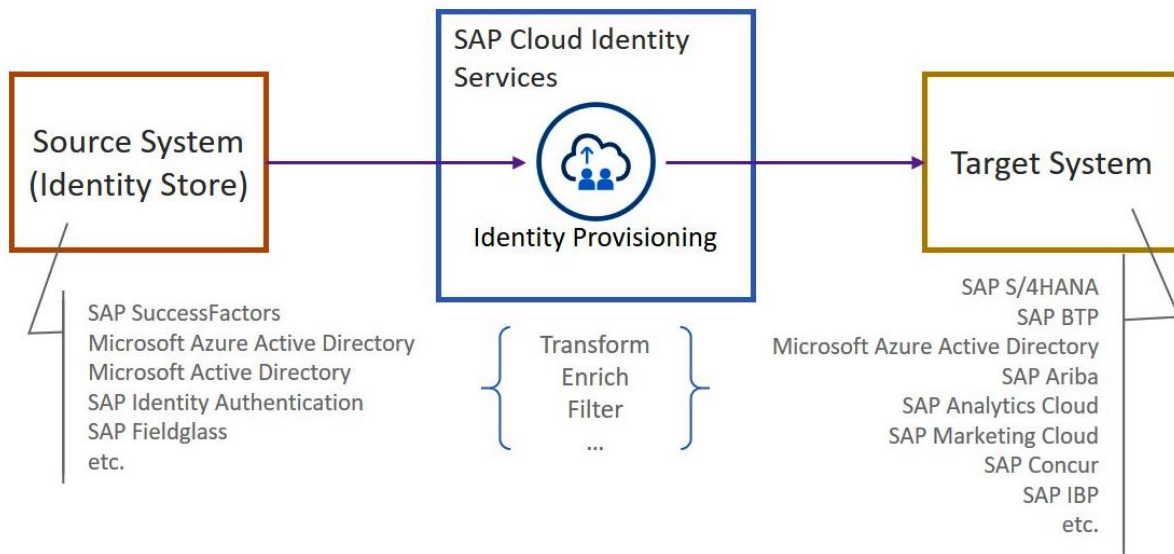
Chapter 4: Security and Connectivity

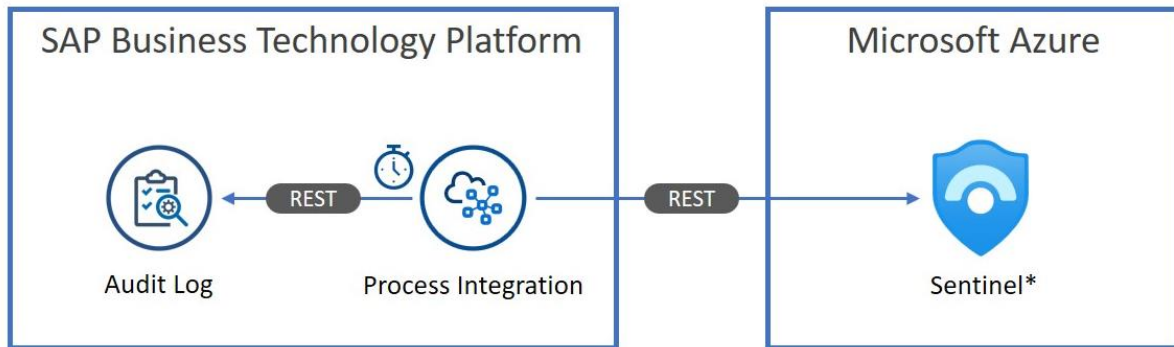




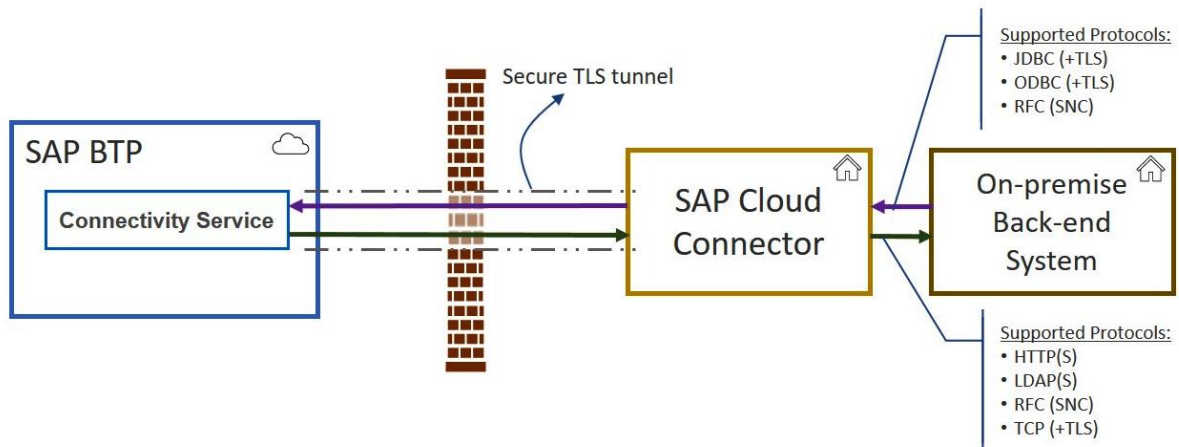








* via Azure Monitor Data Collector API**
 ** At the time of authoring this book, this API was in preview.



SAP Cloud Connector Administration

Subaccount: Trial - Acme - Dev

Connector

Connector Overview

Connector ID: B4A6007D Security Status: ⚠ Low risk

Local Name: sid-hdb-s4h.dummy.nodomain High Availability: ⬢ Disabled

Local IP: 10.0.0.125 Alerts: 🟢 1

Subaccount Dashboard (1)

Status	Subaccount	Display Name	Location ID	Region	Actions
🟢	33a...	Trial - Acme - Dev		Europe (Frankfurt) - AWS	🔍 ✎ 🗑 📄 ➡

Service Channels Overview (0)

Status	Port	Type	Subaccount	Details	Actions
No data					

SAP Cloud Connector Administration 1 Administrator

Subaccount: Trial - Acme - Dev

Cloud To On-Premise

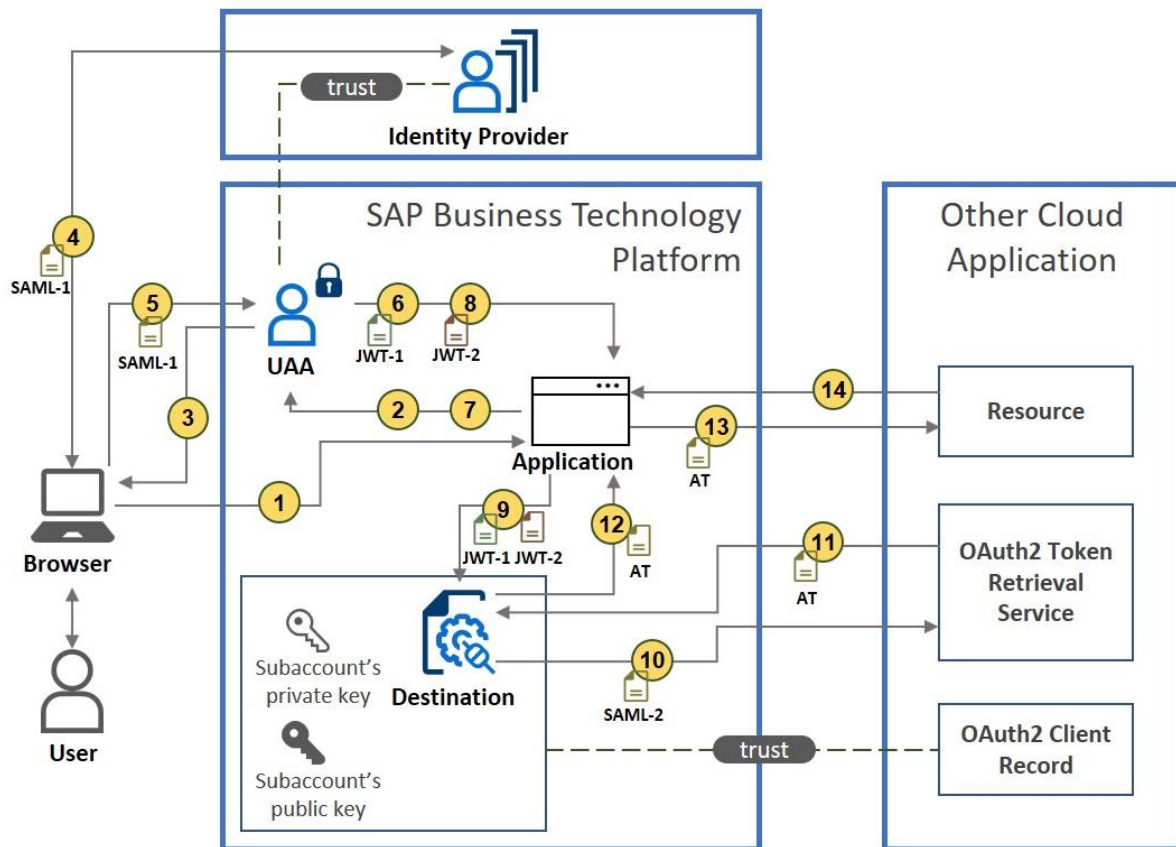
ACCESS CONTROL COOKIE DOMAINS APPLICATIONS PRINCIPAL PROPAGATION

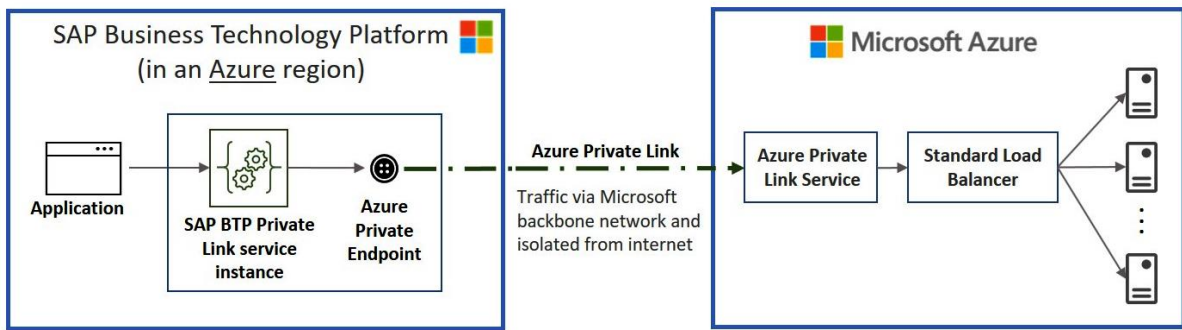
Mapping Virtual To Internal System (1)

Status	Virtual Host	Internal Host	Check Result	Protocol	Back-end Type	Actions
<input checked="" type="checkbox"/>	dev.s4h.acme:1234	vhcals4hcs.dummy...	Reachable	HTTPS	ABAP System	

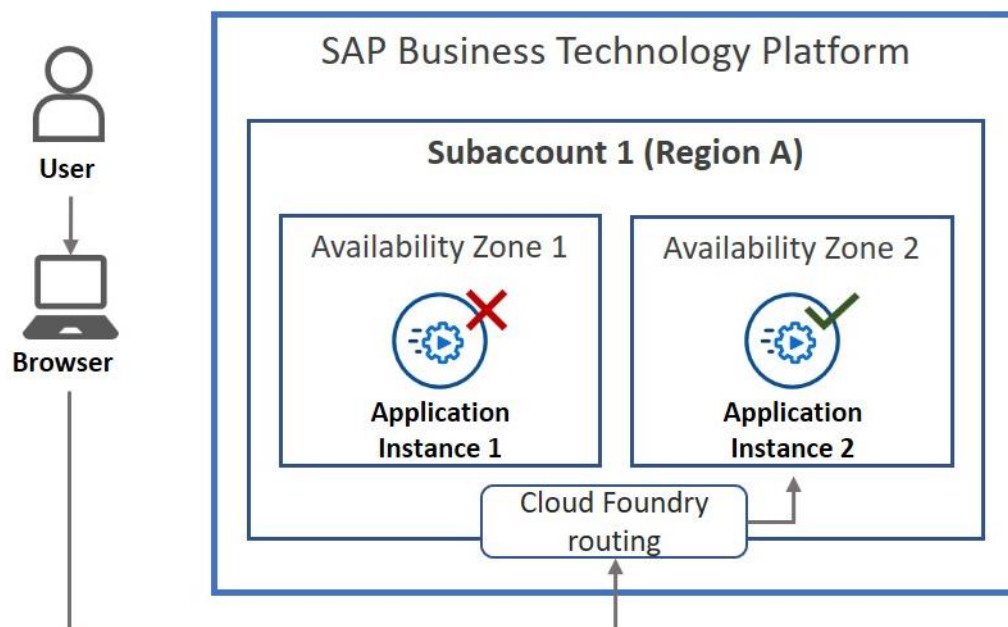
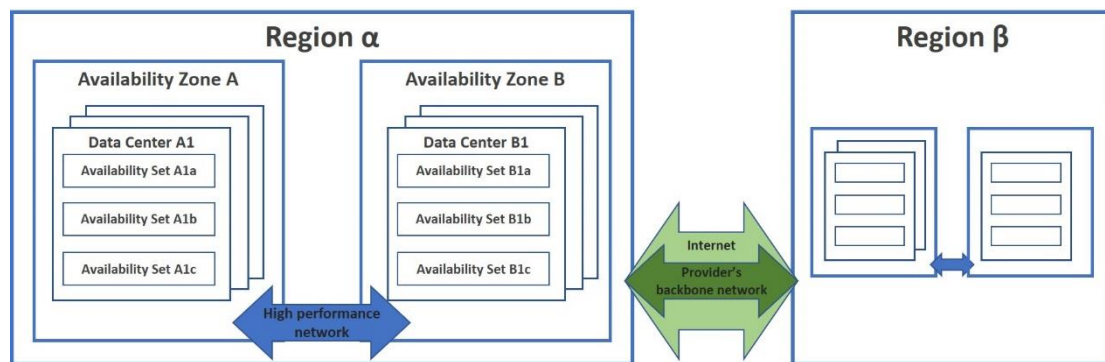
Resources Of dev.s4h.acme:1234 (1)

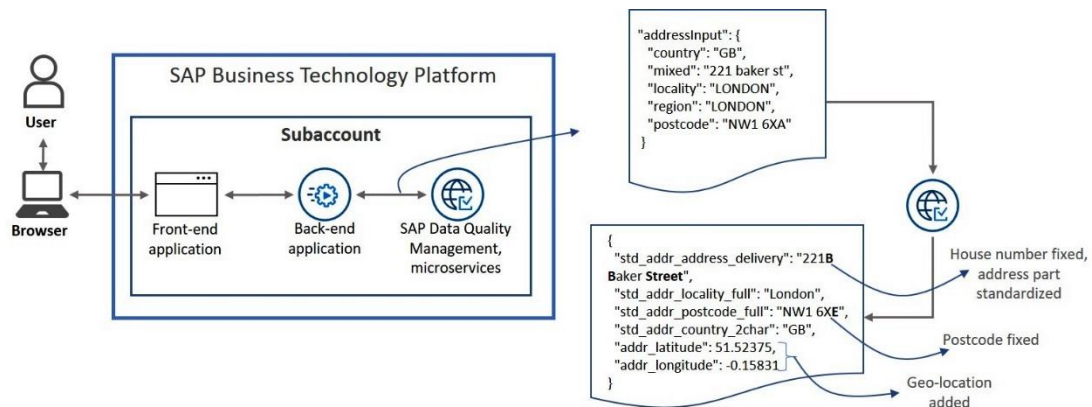
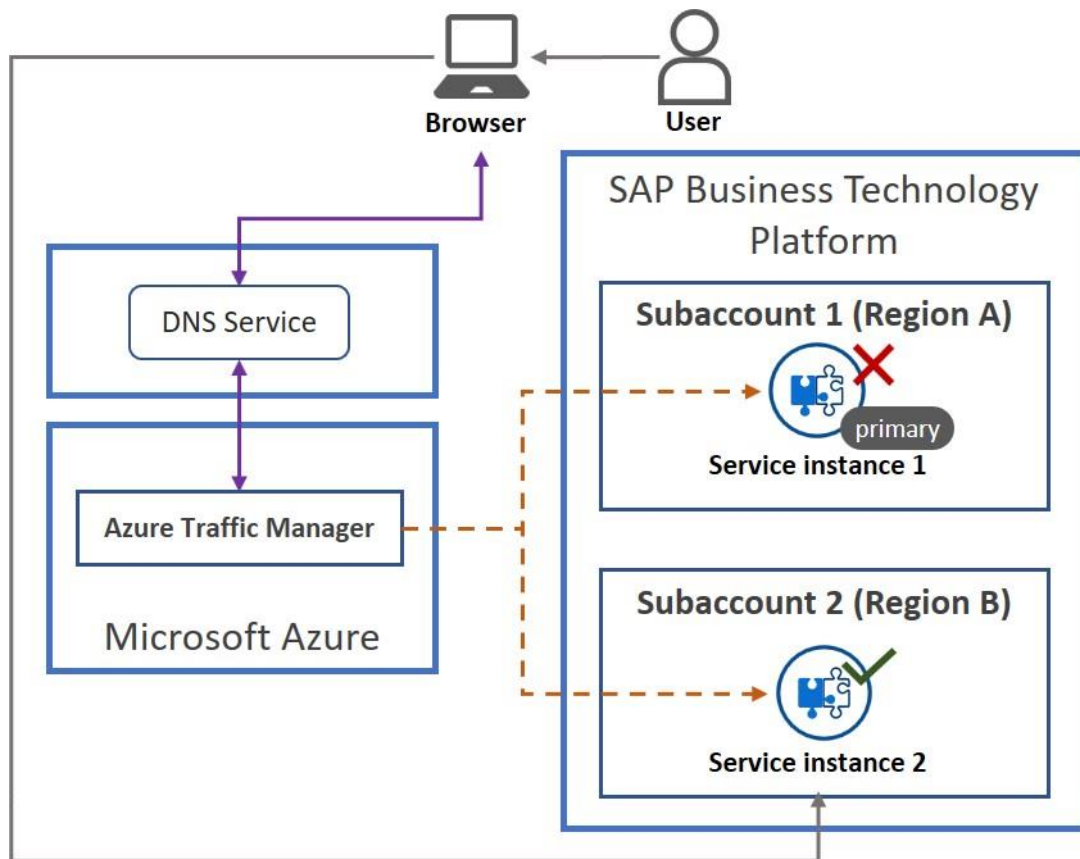
Status	URL Path	Access Policy	Actions
<input checked="" type="checkbox"/>	/sap/opu/odata/	Path And All Sub-Paths	



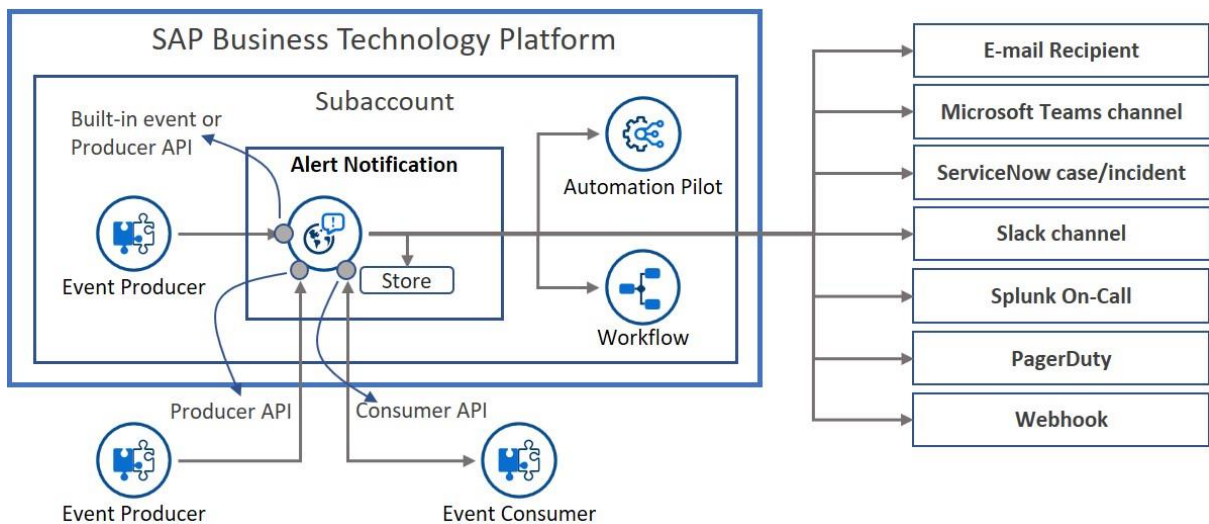


Chapter 5: Non-Functional Design for Operability





SAP HANA Database Configurations (i)					
Name	Amount	Rate	Activity Hours	CU (per month)	
Memory					
Memory size of a SAP HANA database	<input type="text" value="128"/> GB	0.025 CU / GB / Hour	730	2336.00 CU	
Compute					
The number of vCPUs of a SAP HANA database	<input type="text" value="8"/> vCPUs	0.184 CU / vCPU / Hour	730	1074.56 CU	
Storage					
The disk storage space of a SAP HANA database	<input type="text" value="360"/> GB	0.013 CU / 16 GB / Hour	730 (fixed per month)	213.52 CU	
Backup Storage					
The backup storage space of a SAP HANA database	<input type="text" value="2688"/> GB	0.011 CU / 64 GB / Hour	730 (fixed per month)	337.26 CU	
Network Data Transfer					
The amount of network traffic	<input type="text" value="128"/> GB	0.438 CU / GB	N/A	56.06 CU	
SAP Cloud Connector					
Connect to an on-premise SAP HANA database	<input type="checkbox"/>	0.197 CU / Hour (i)	730	0.00 CU	
Synchronous Replicas					
Number of synchronous replicas of a SAP HANA database	<input type="text" value="1"/> Replicas	(i)	730	3624.09 CU	
Total Estimate				7641.49 CU	



Support

[How to report an incident](#)

Support component for this service: EP-CPP-CF



Microsoft
Dataverse



AI Builder



Microsoft
Dataverse...



Triggers

Actions

See more



Delete a row **PREMIUM**
Microsoft Dataverse



Get a row by ID **PREMIUM**
Microsoft Dataverse



Relate rows **PREMIUM**
Microsoft Dataverse



Update a row **PREMIUM**
Microsoft Dataverse



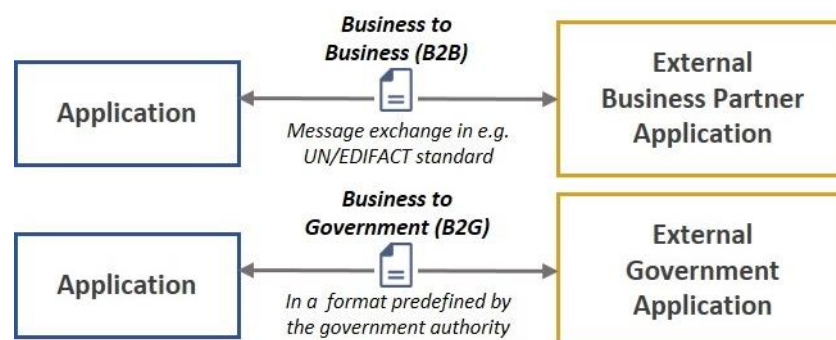
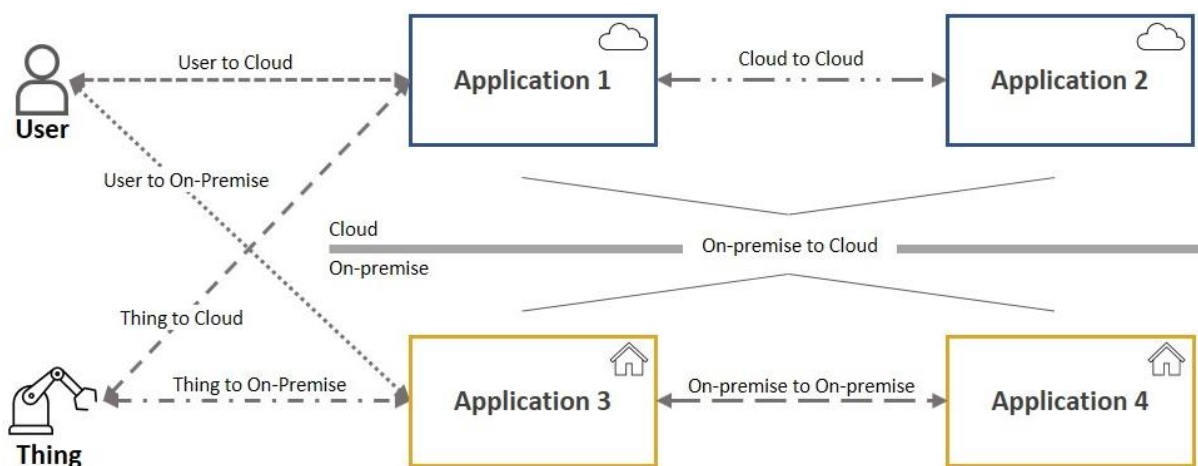
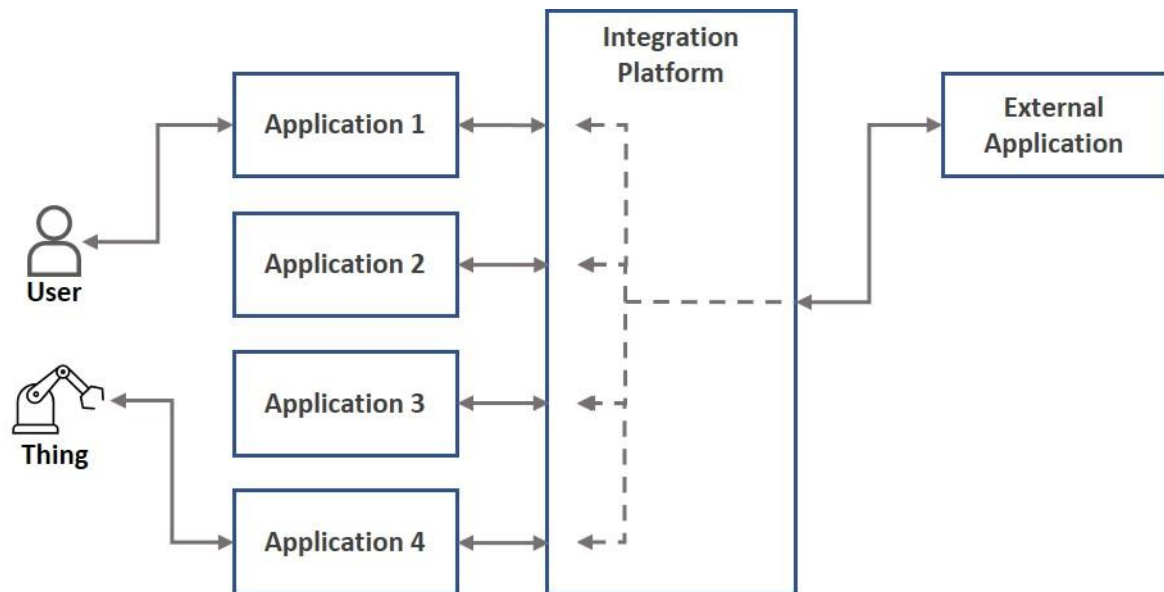
Download a file or an image **PREMIUM**
Microsoft Dataverse

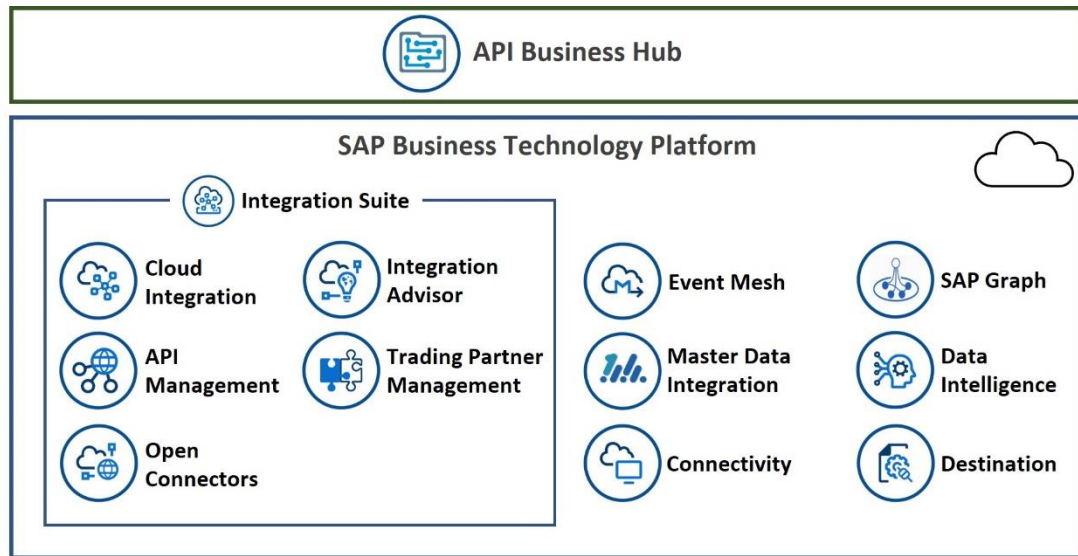
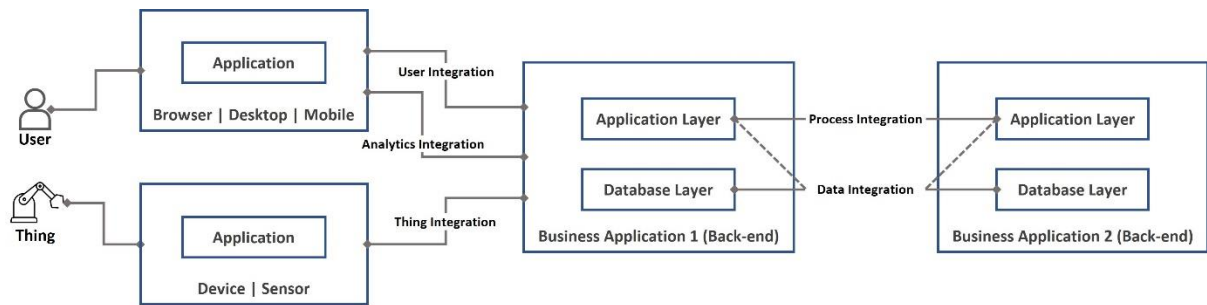


List rows **PREMIUM**
Microsoft Dataverse



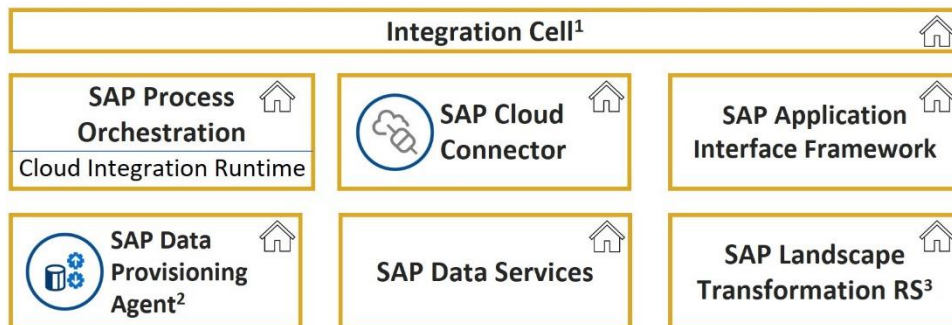
Chapter 6: Defining Integration Strategy





Cloud

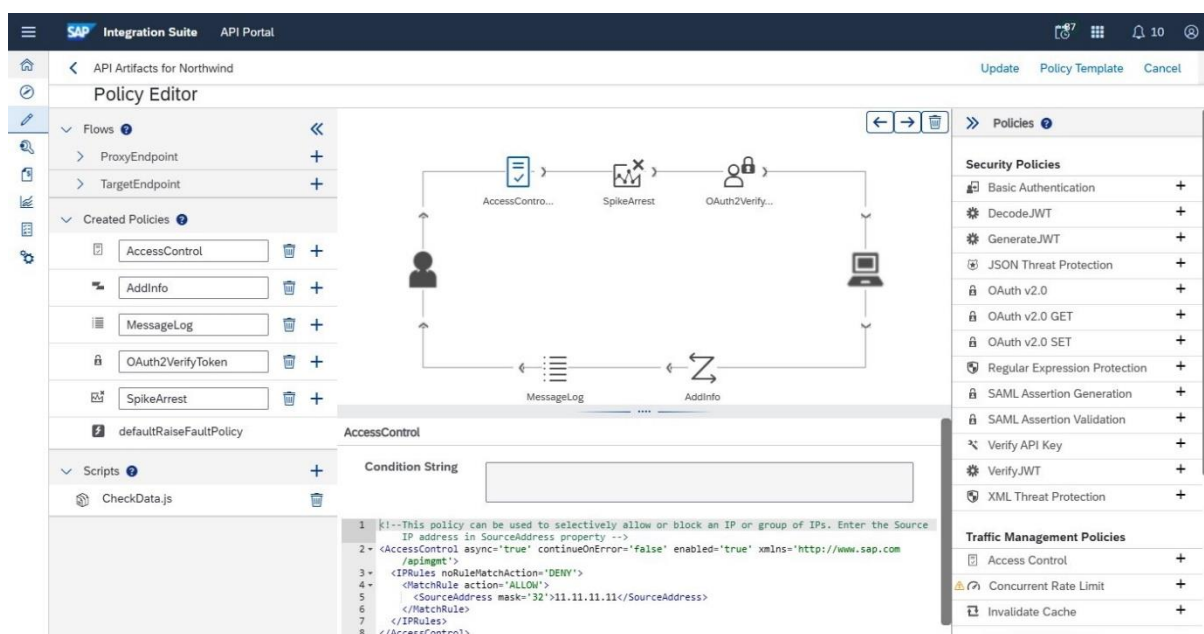
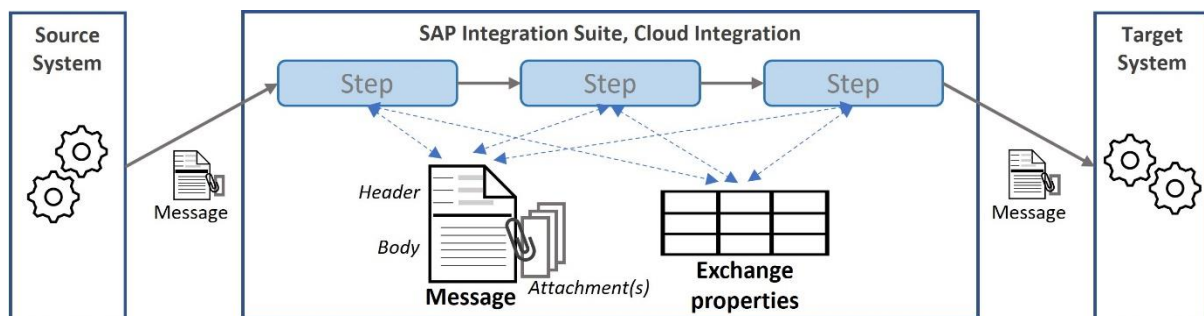
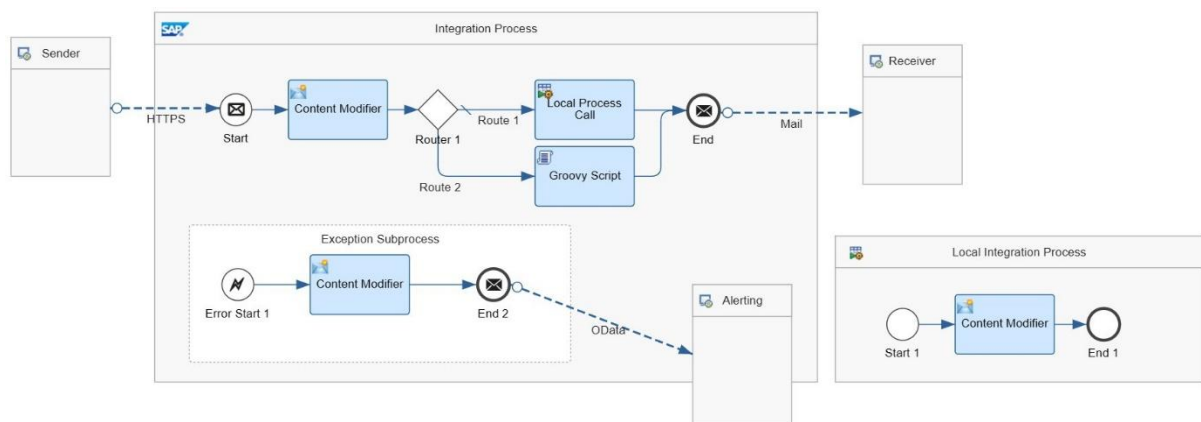
On-premise

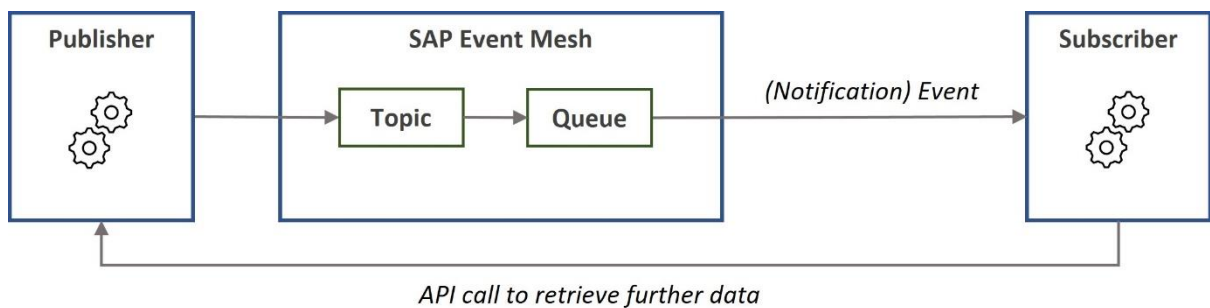
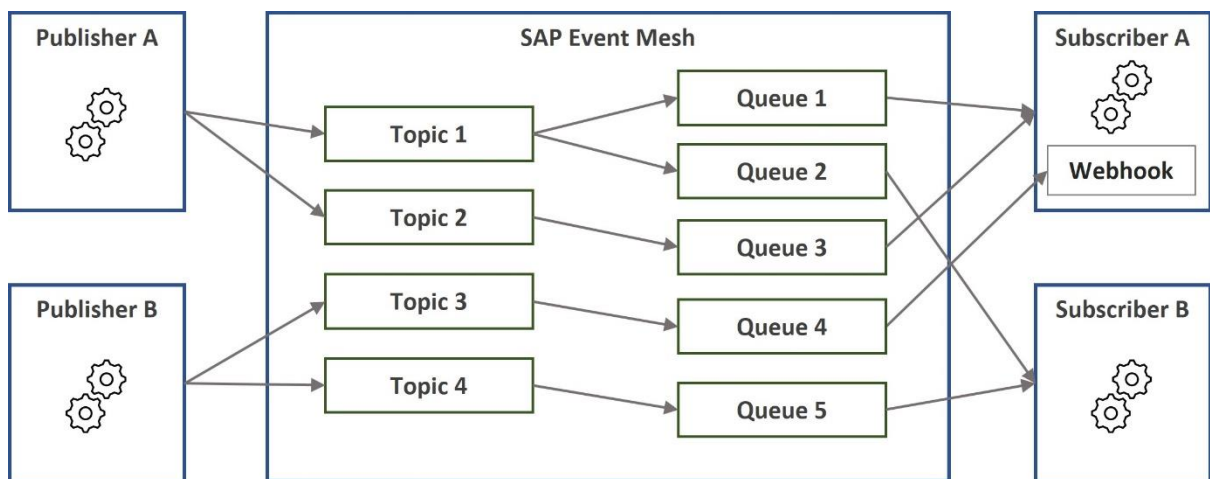
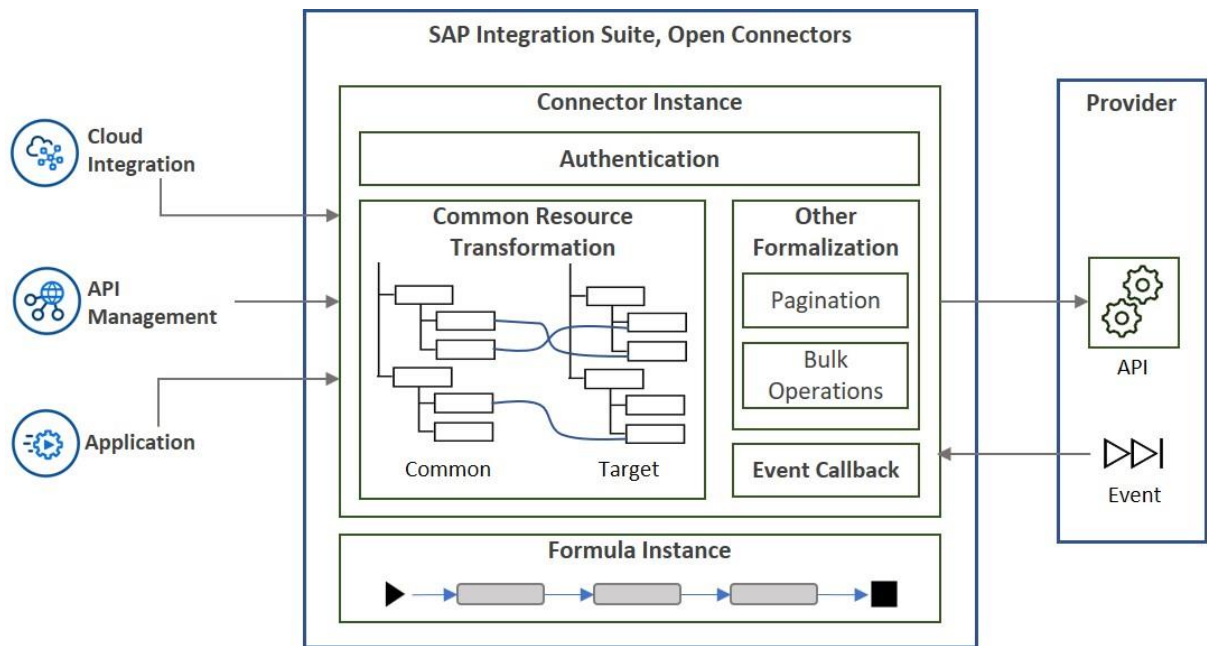


1) In the roadmap – Integration suite services and runtimes in a containerized environment.

2) SAP HANA Smart Data Integration (SDI) 3) SAP Landscape Transformation Replication Server (SLT RS)

Chapter 7: Cloud Integration

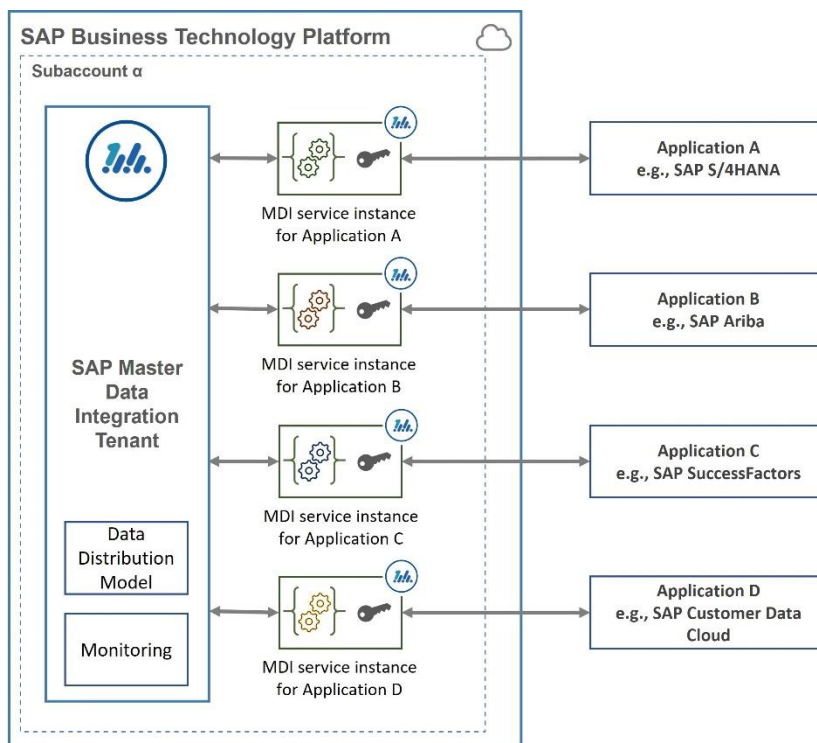




```

{
  "specversion": "1.0",
  "id": "e940019e-a96b-43d1-ae1c-585219493f50",
  "source": "/default/com.sstest.app01/1",
  "type": "com.sstest.app01.BusinessObject.Created/v1",
  "subject": "businessObjectId:1234567",
  "time": "2022-02-06T21:36:21Z",
  "comsstestapp01extension1" : "ssimsekler",
  "ccomsstestapp01othervalue" : 11,
  "datacontenttype" : "application/json",
  "data": {
    "businessObjectId": "1234567"
  }
}

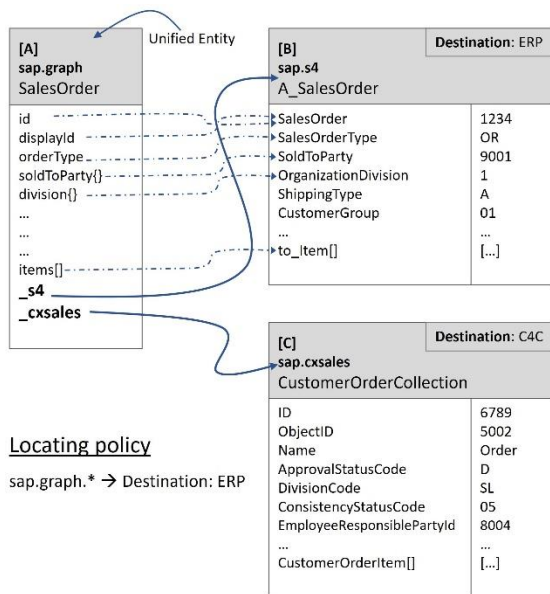
```



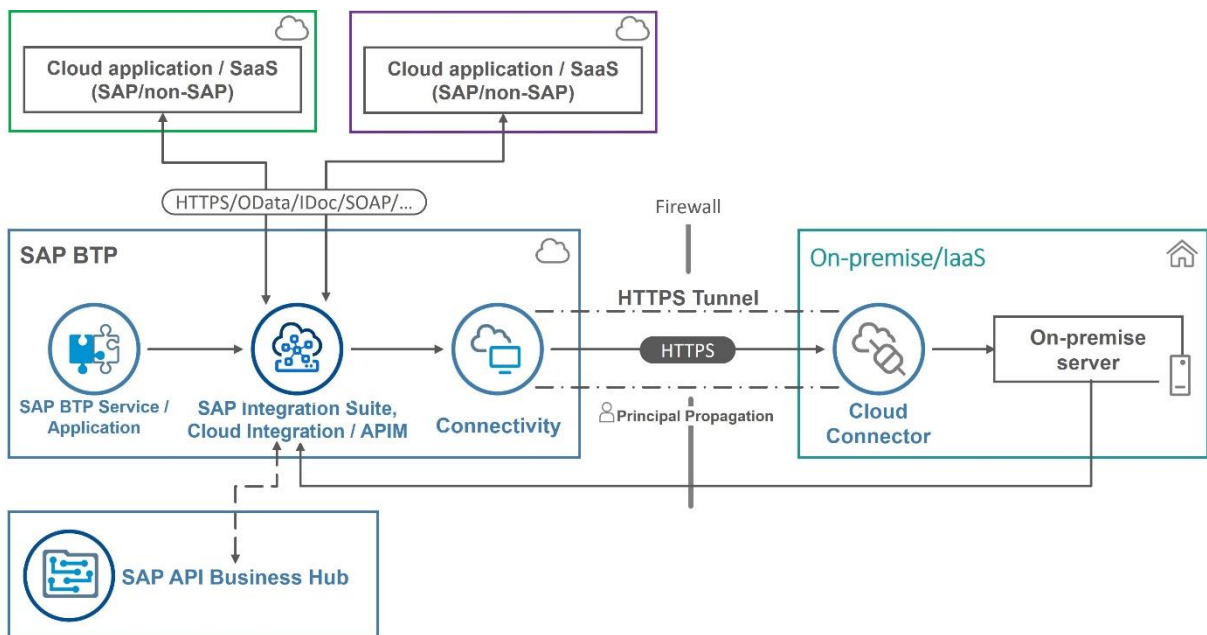
Supported Applications*

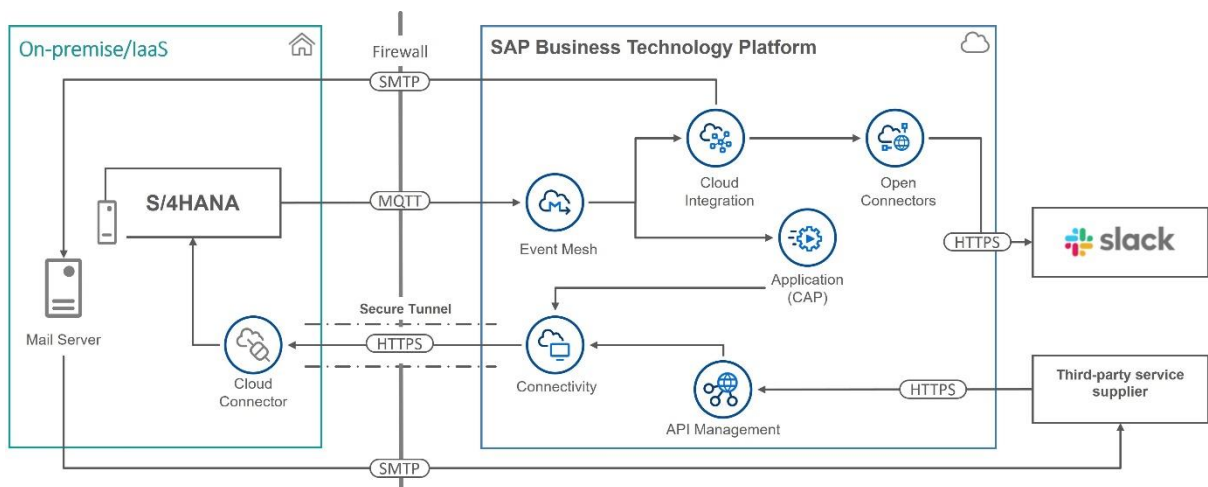
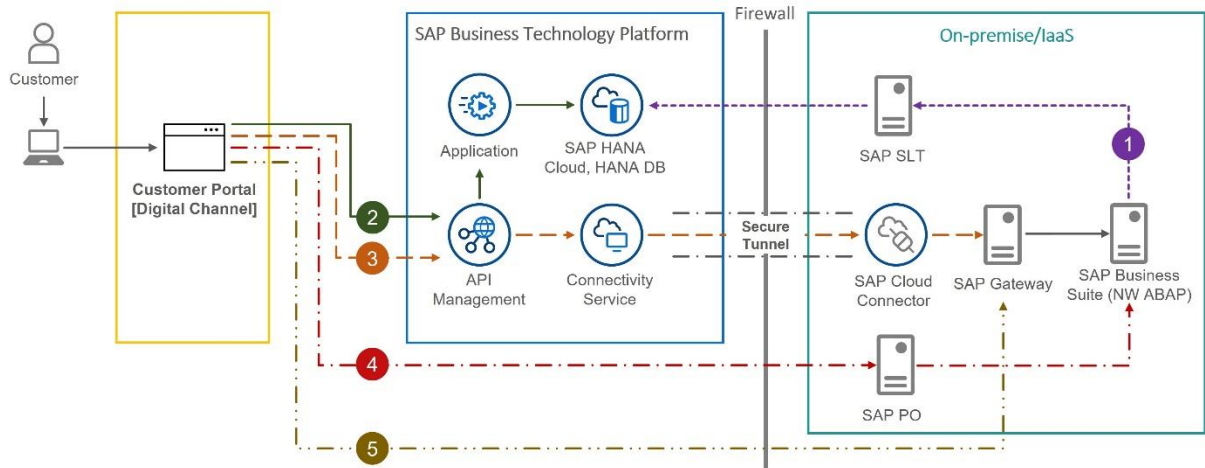
- SAP S/4HANA
- SAP Ariba
- SAP SuccessFactors
- SAP Sales/Service Cloud
- SAP Customer Data Cloud
- SAP Commerce Cloud
- SAP Subscription Billing
- SAP Concur
- SAP Master Data Governance

**At the time of authoring this book*



URL	Response Payload
[A] /sap.graph/SalesOrder/s4~1234	{ "id": "s4~1234", "displayId": "1234", "orderType": "OR", "soldToParty": "9001", "division": "1", ... "items": [...] }
[B] /sap.graph/SalesOrder/s4~1234/_s4	{ "SalesOrder": "1234", "SalesOrderType": "OR", "SoldToParty": "9001", "OrganizationDivision": "1", ... "to_Item": [...] }
[C] /sap.graph/SalesOrder/s4~1234/_cxsales	{ "D": "6789", "ObjectID": "5002", "Name": "Order", "ApprovalStatusCode": "D", "DivisionCode": "SL", "ConsistencyStatusCode": "05", "EmployeeResponsiblePartyId": "8004", ... "CustomerOrderItem": [...] }





Changed
Created

POST

/sap.s4.beh.businesspartner.v1.BusinessPartner.Created.v1

Business Partner Created

This event is raised when a business partner record is created.

Parameters

No parameters

Request body

application/json

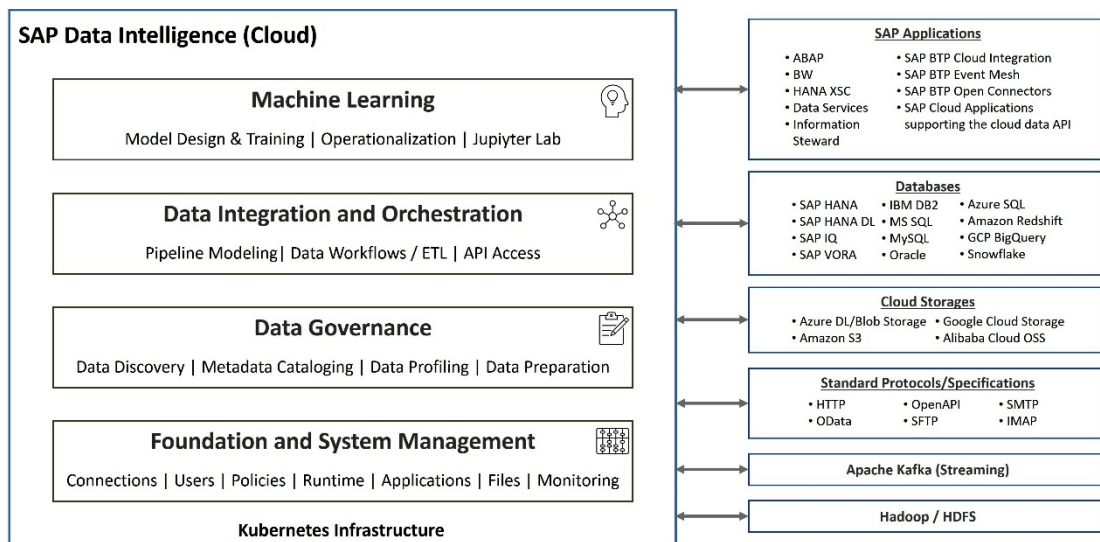
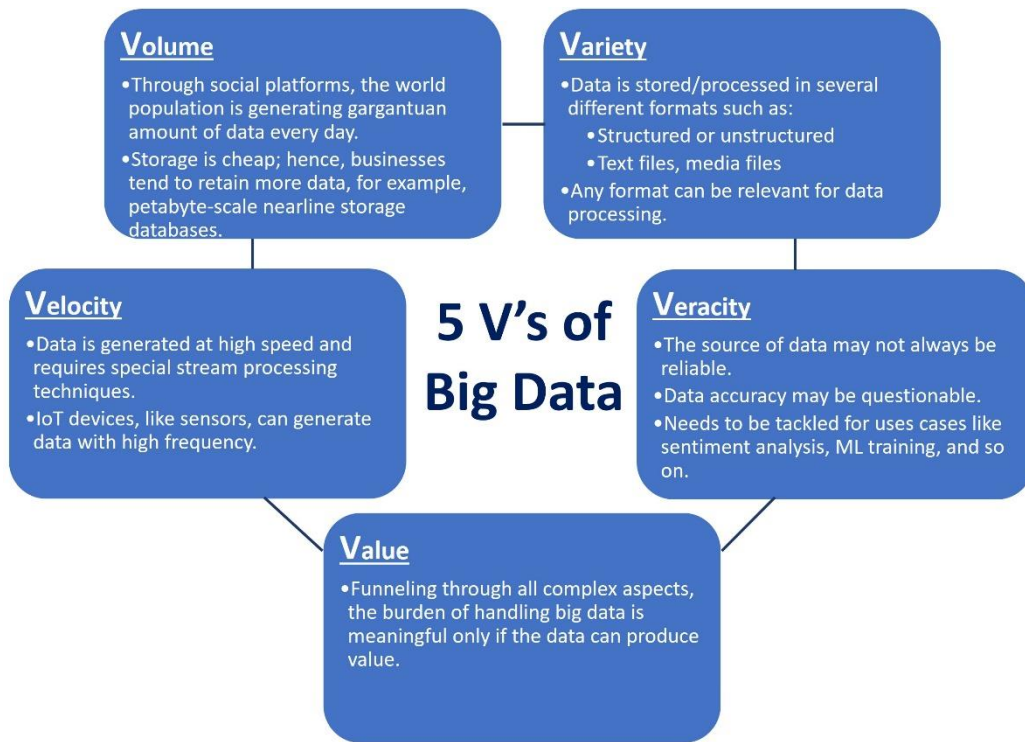
Example Value

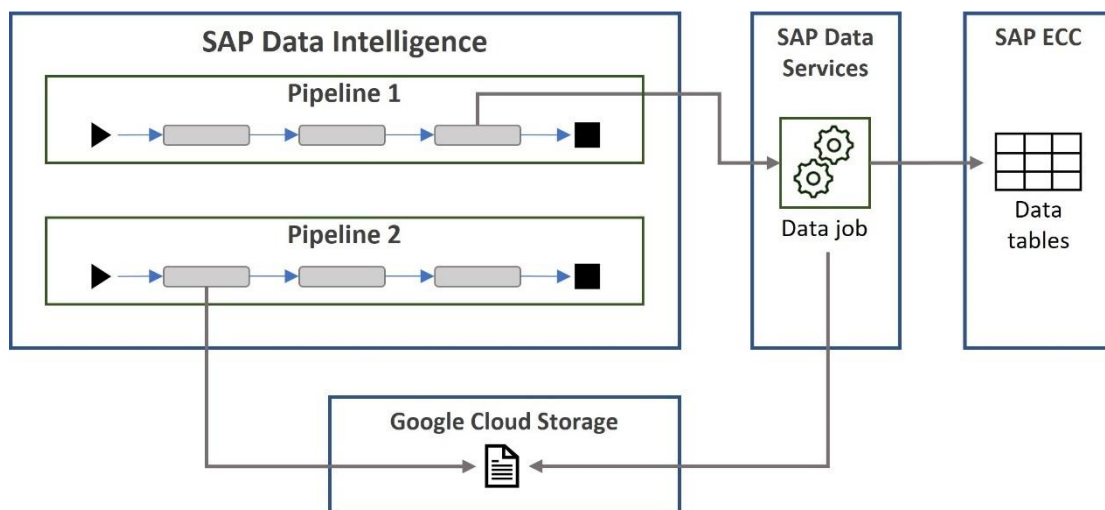
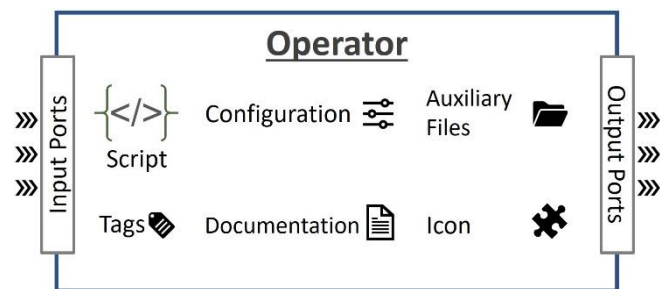
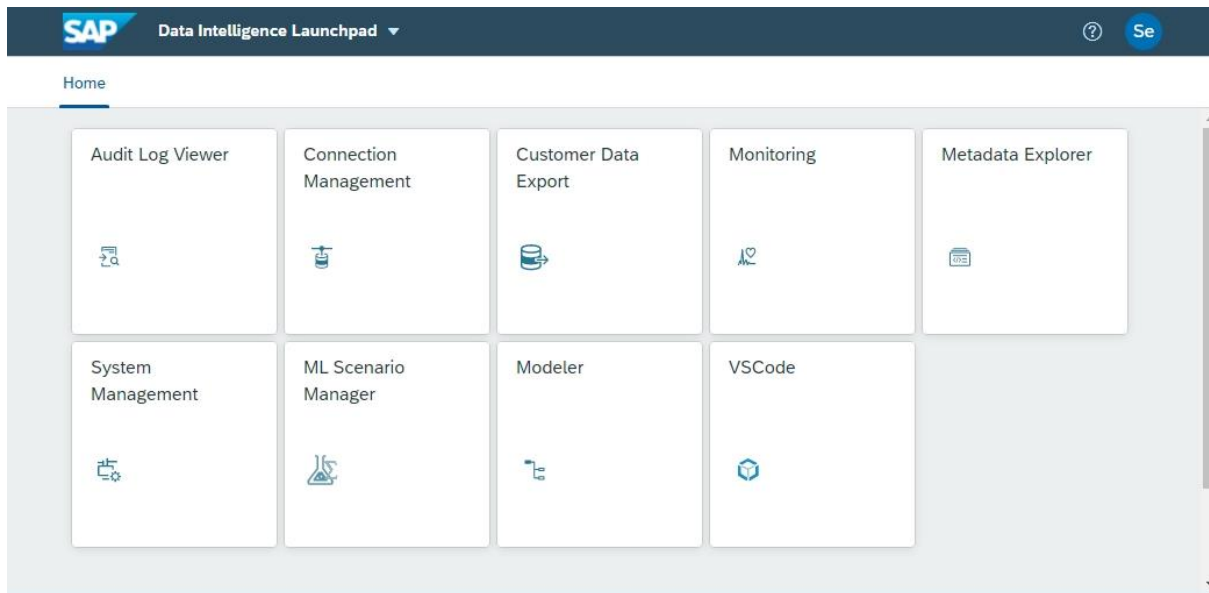
Schema

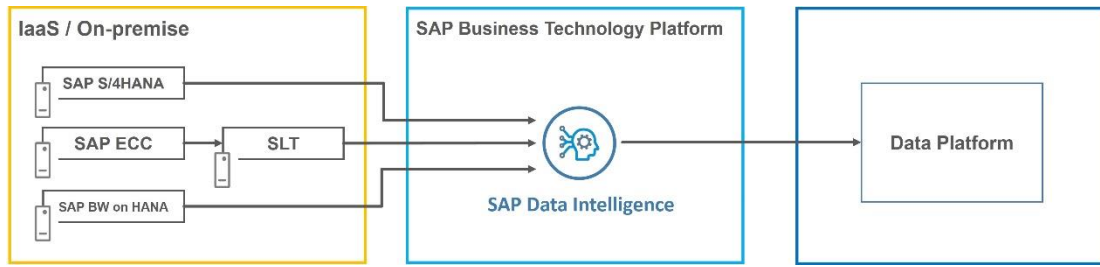
```
{
  "specversion": "string",
  "type": "string",
  "source": "string",
  "subject": "string",
  "id": "string",
  "time": "2022-02-21T18:19:38.585Z",
  "datacontenttype": "string",
  "data": {
    "BusinessPartner": "string"
  }
}
```

FEEDBACK

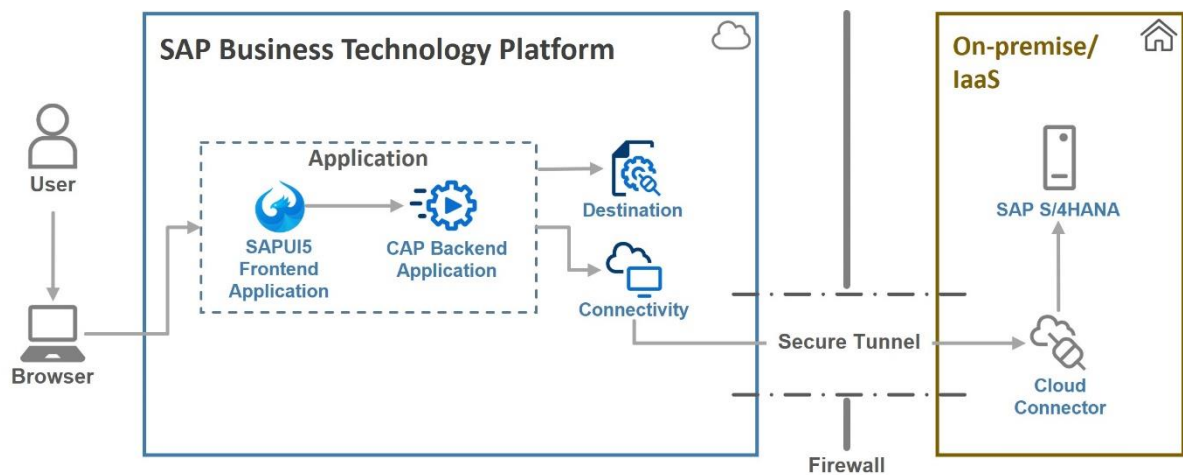
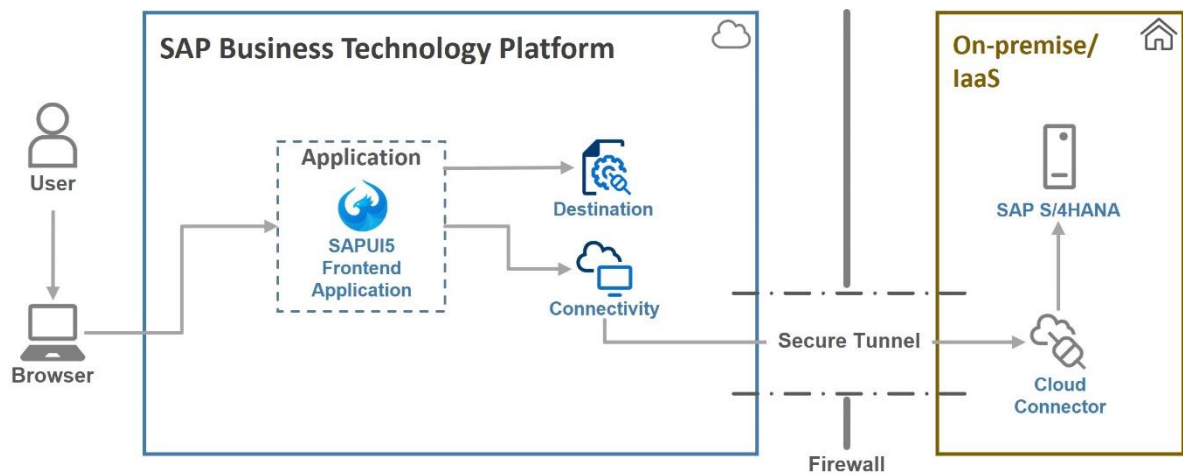
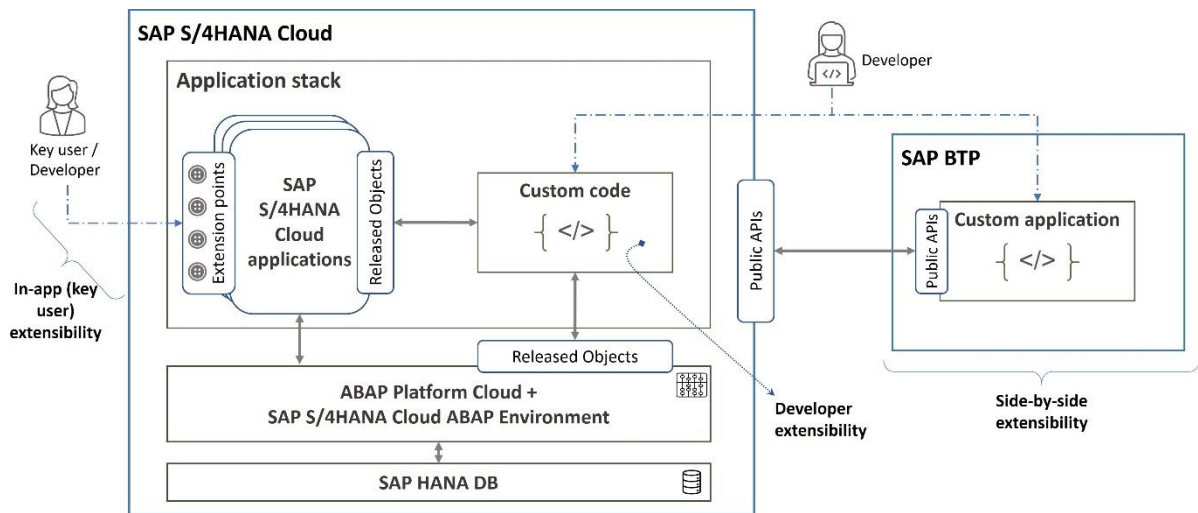
Chapter 8: Data Integration

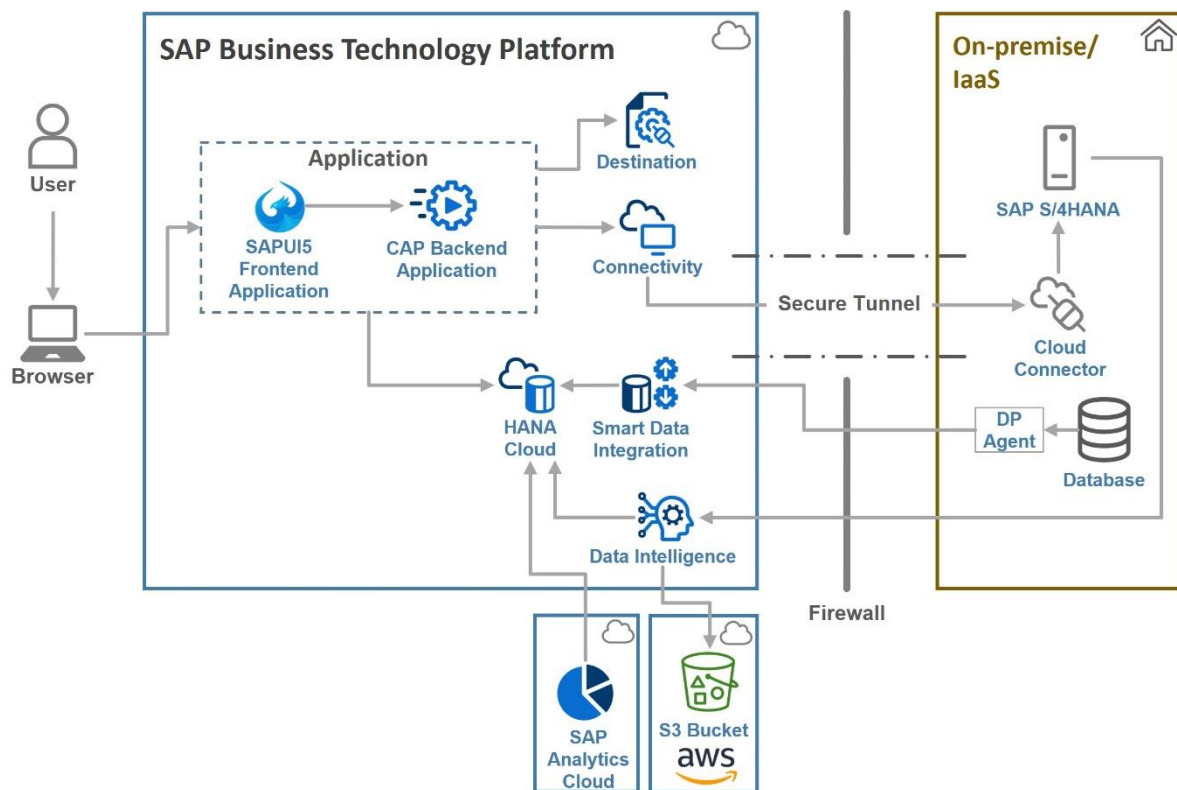
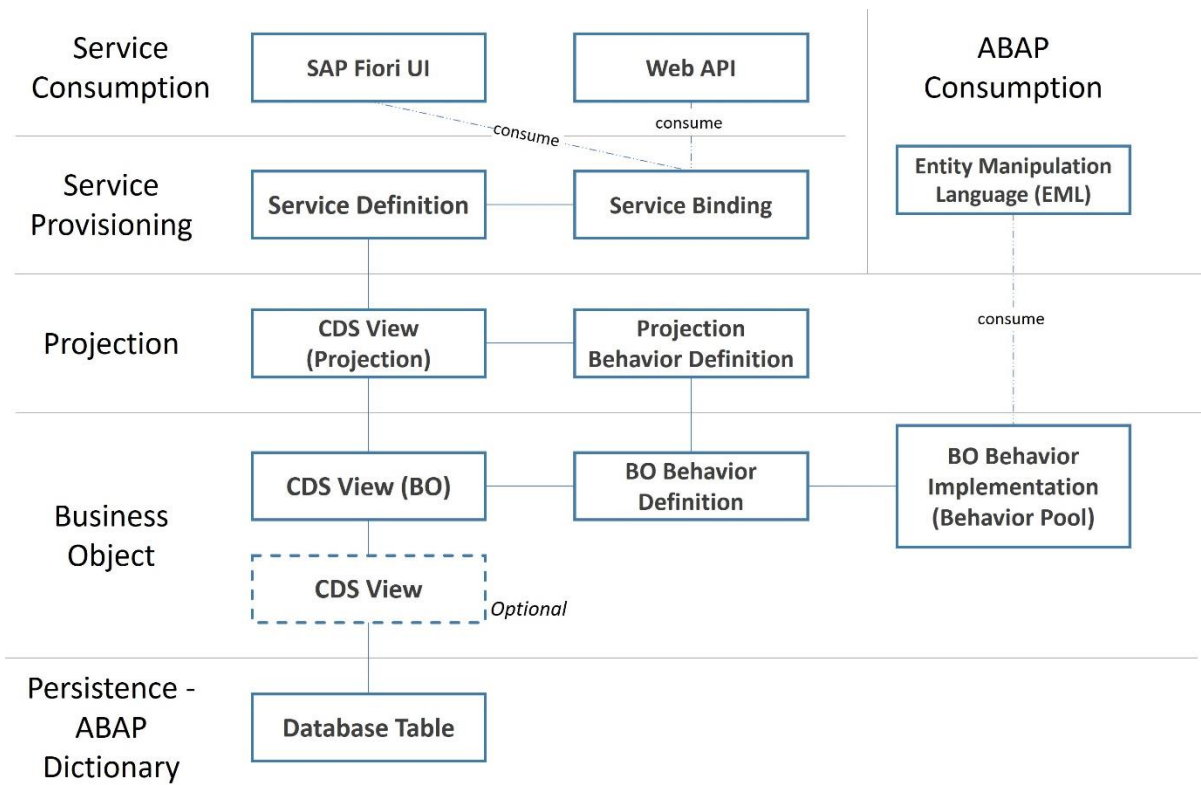






Chapter 9: Application Development

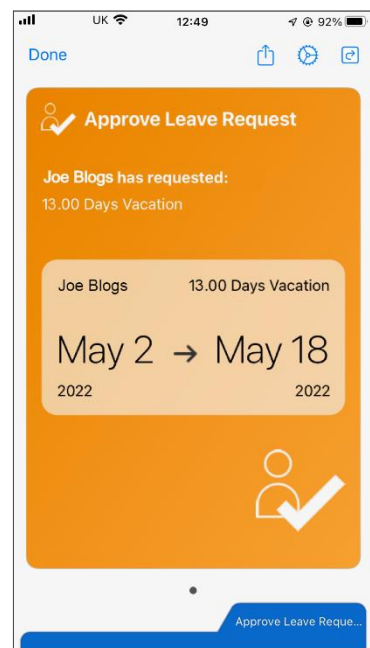
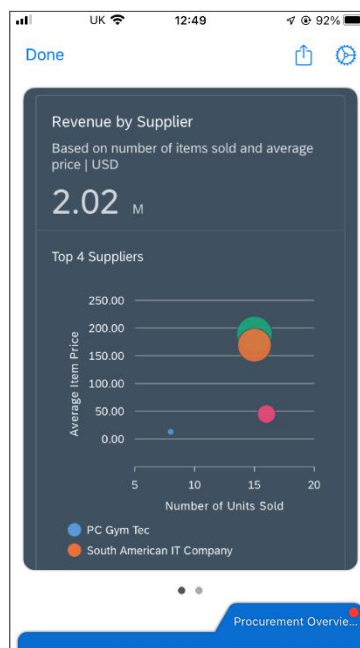
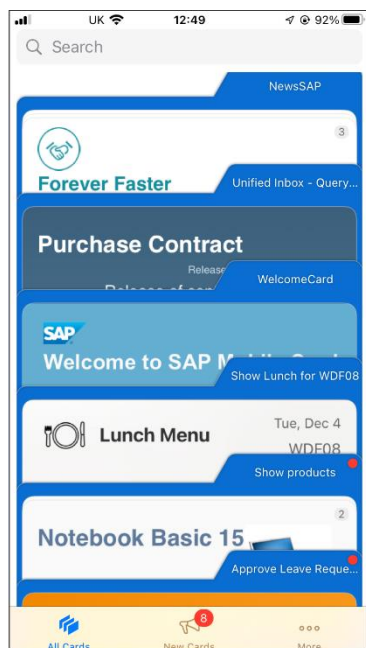


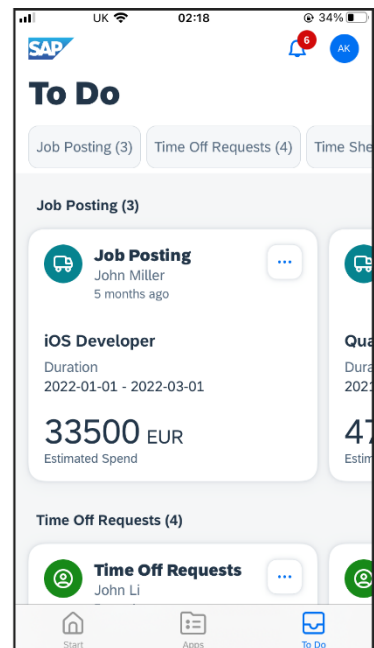
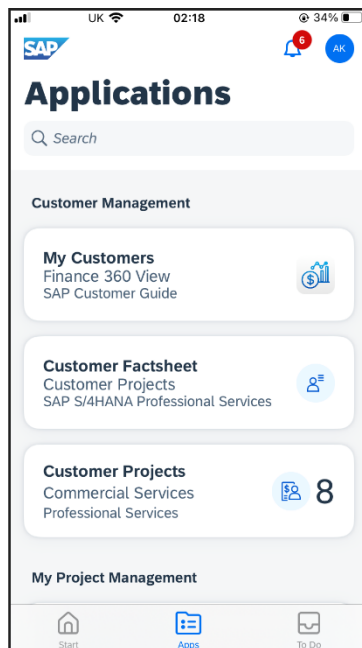
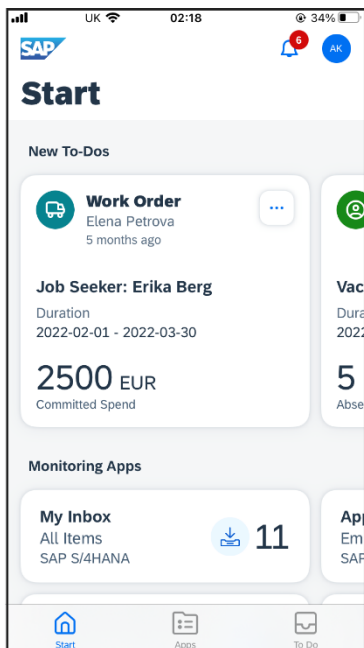
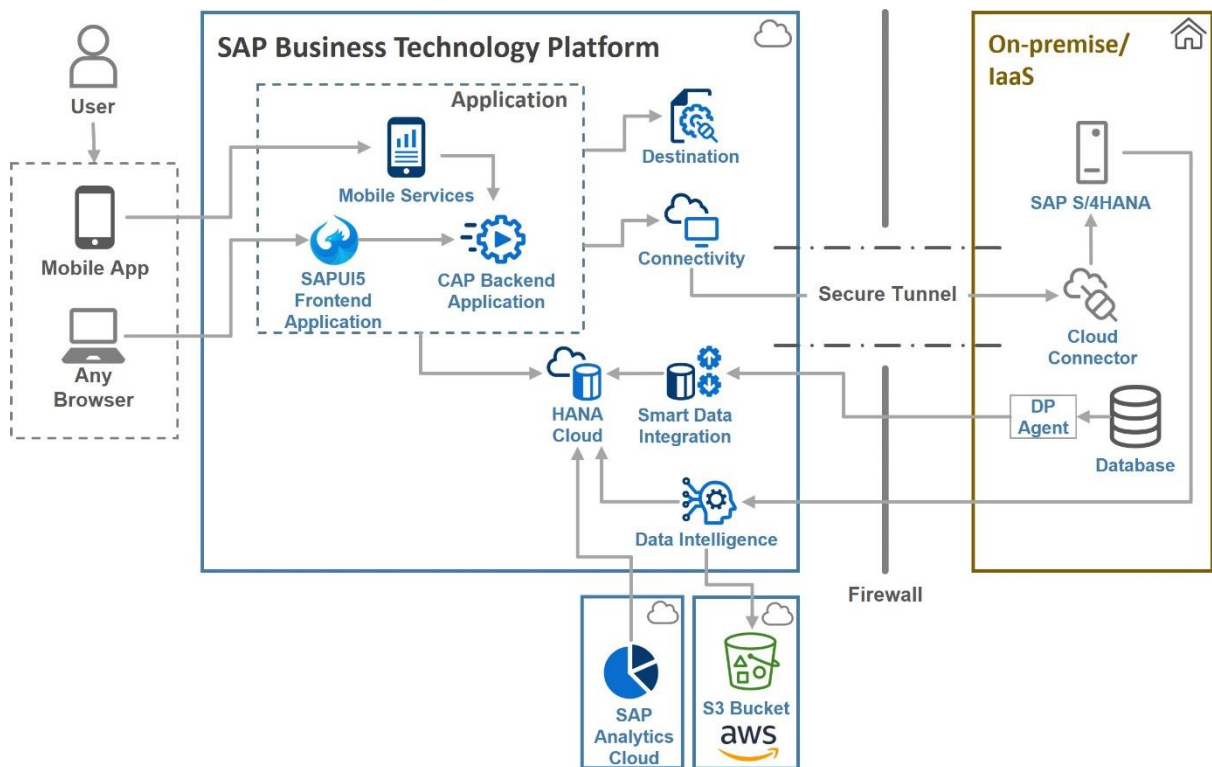


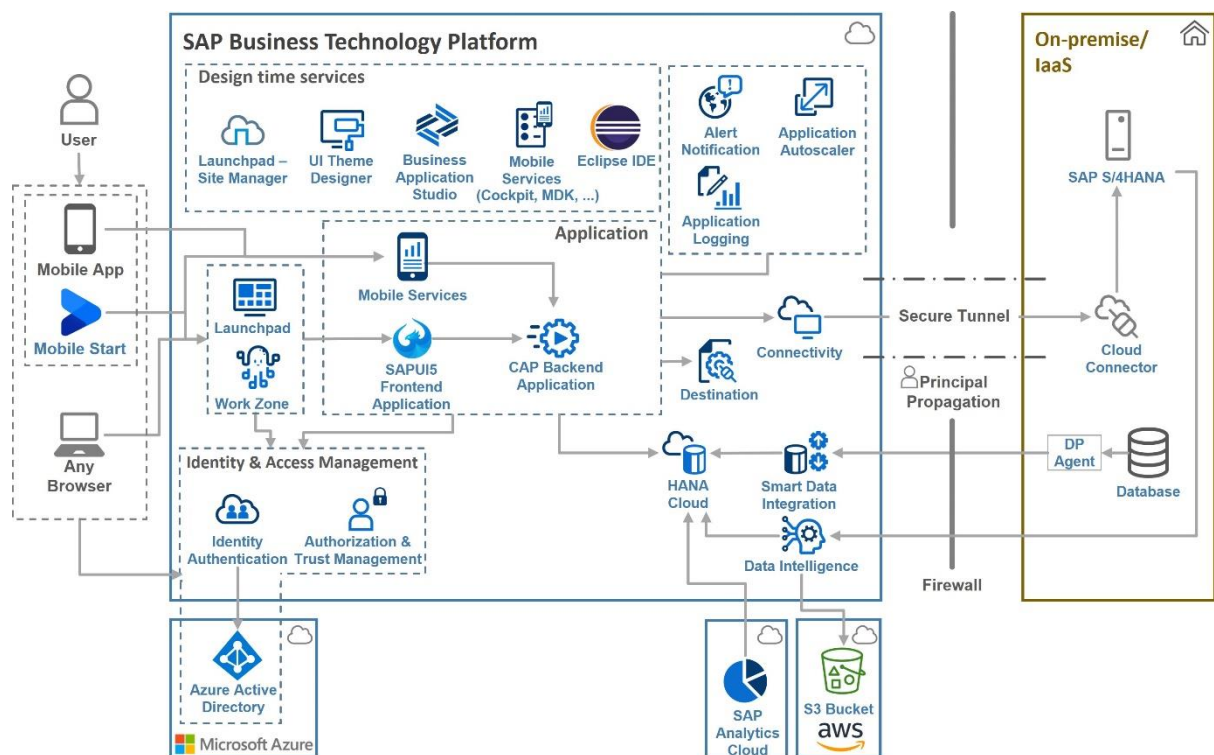
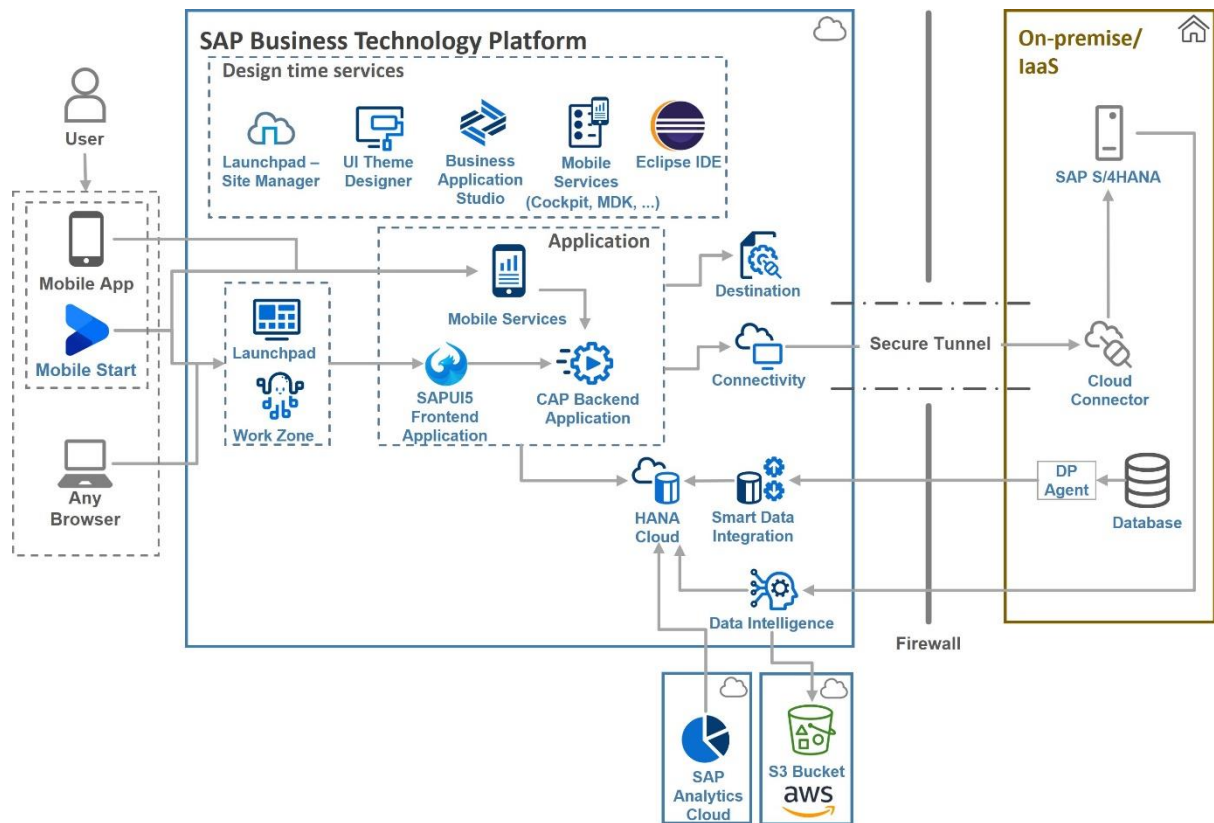
```

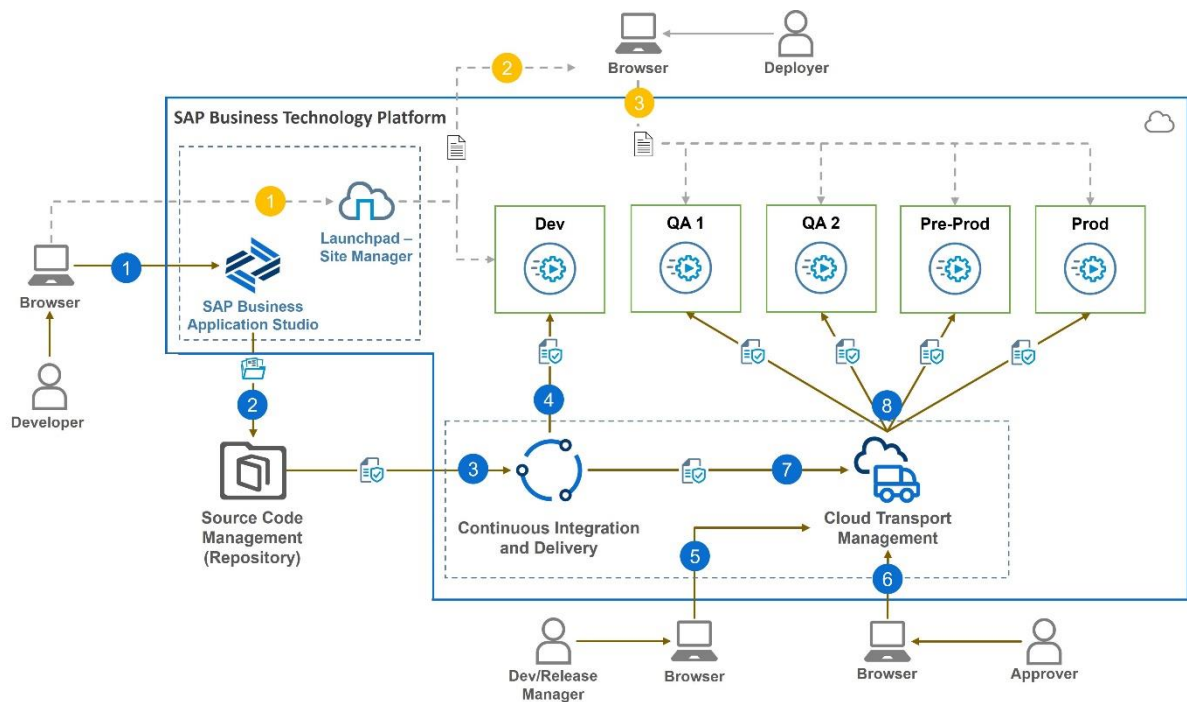
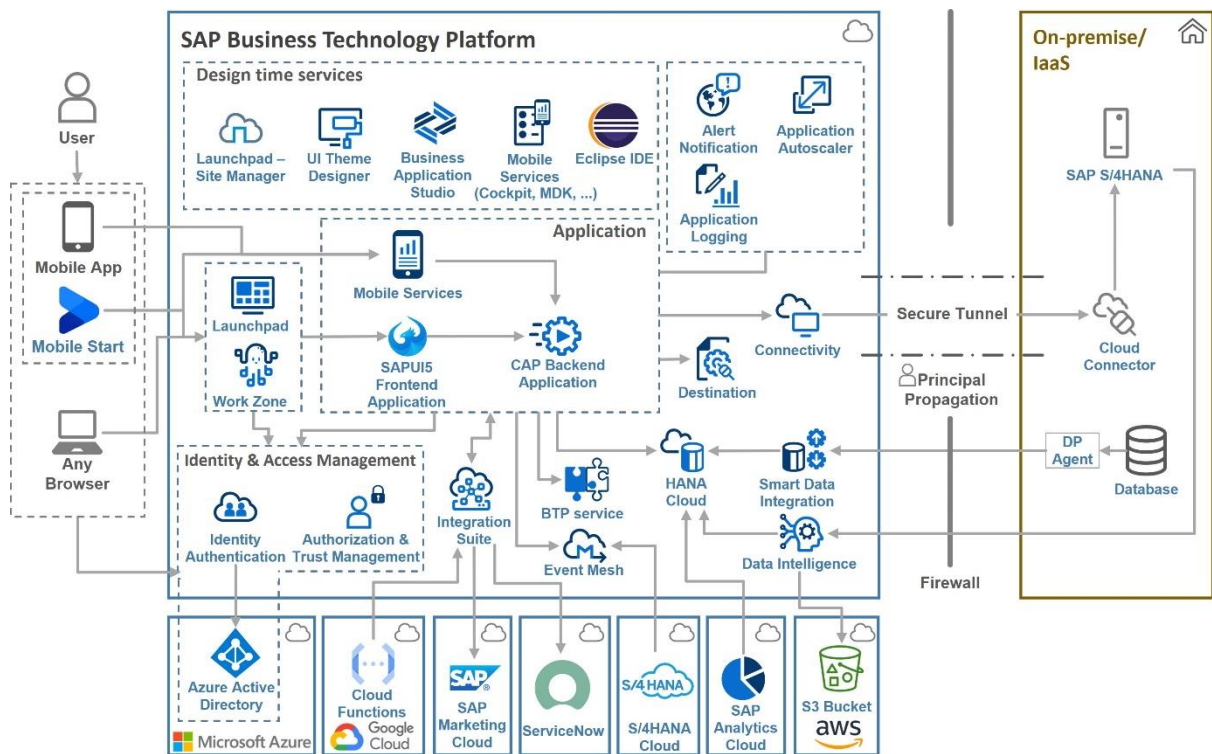
1  import { BusinessPartner } from '@sap/cloud-sdk-vdm-business-partner-service';
2  ...
3  getBusinessPartners(): Promise<BusinessPartner[]> {
4      return BusinessPartner.requestBuilder()
5          .getAll()
6          .top(10)
7          .select(
8              BusinessPartner.BUSINESS_PARTNER,
9              BusinessPartner.FIRST_NAME,
10             BusinessPartner.LAST_NAME,
11             BusinessPartner.TO_BUSINESS_PARTNER_ADDRESS.select(
12                 BusinessPartnerAddress.BUSINESS_PARTNER,
13                 BusinessPartnerAddress.COUNTRY
14             )
15         )
16         .filter(
17             BusinessPartner.BUSINESS_PARTNER_CATEGORY.equals('1')
18         )
19         .execute({
20             destinationName: 's4hc01'
21         });
22     }

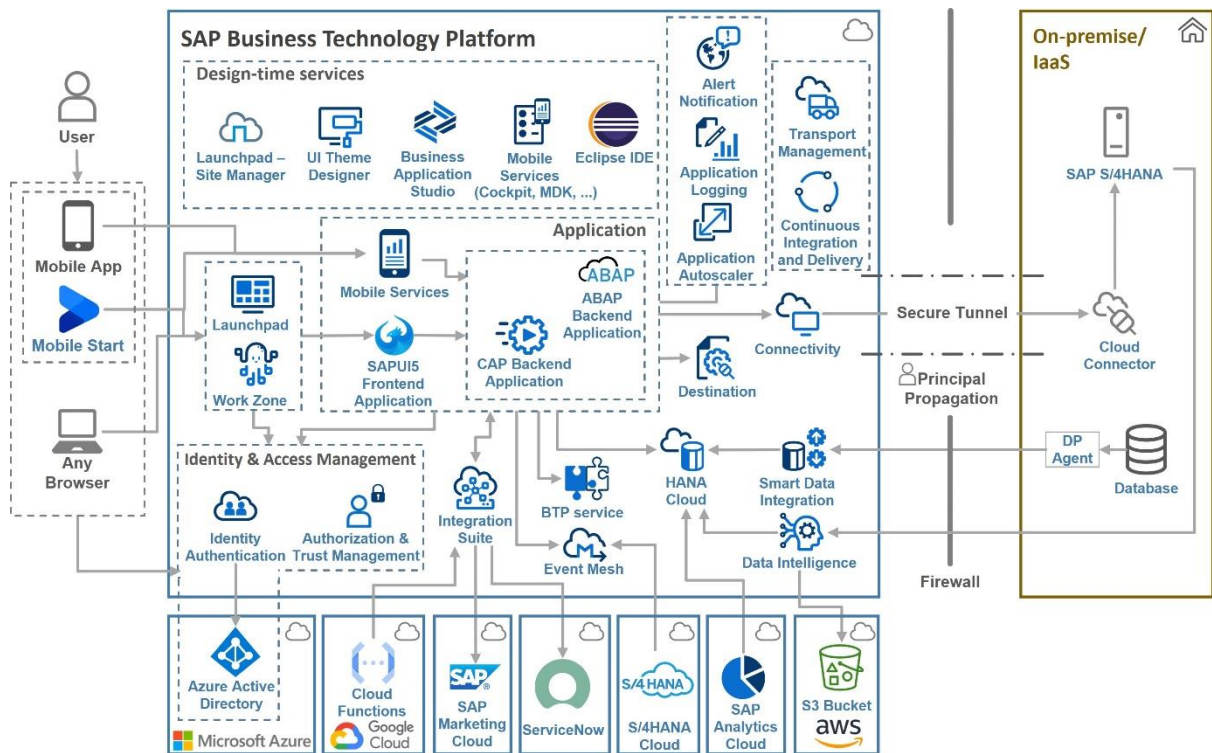
```



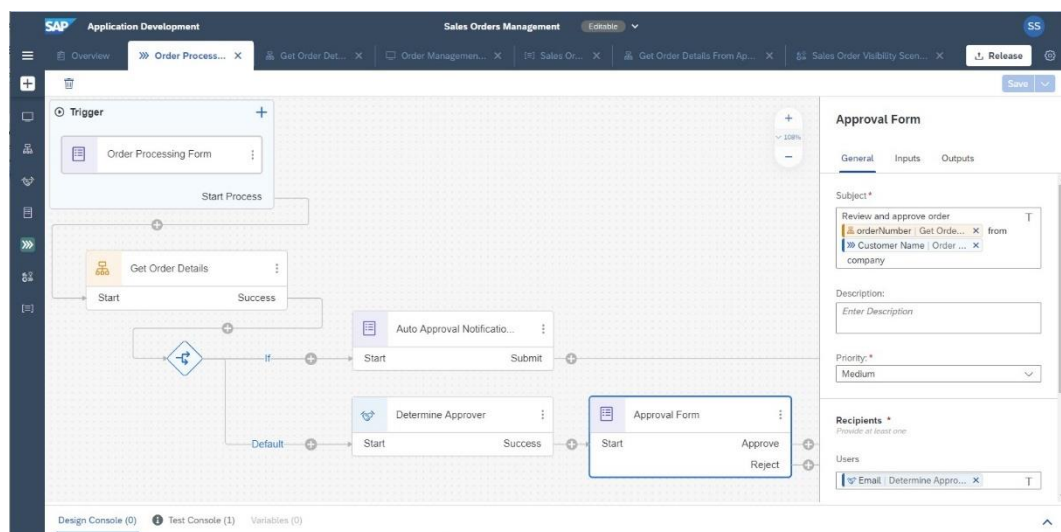
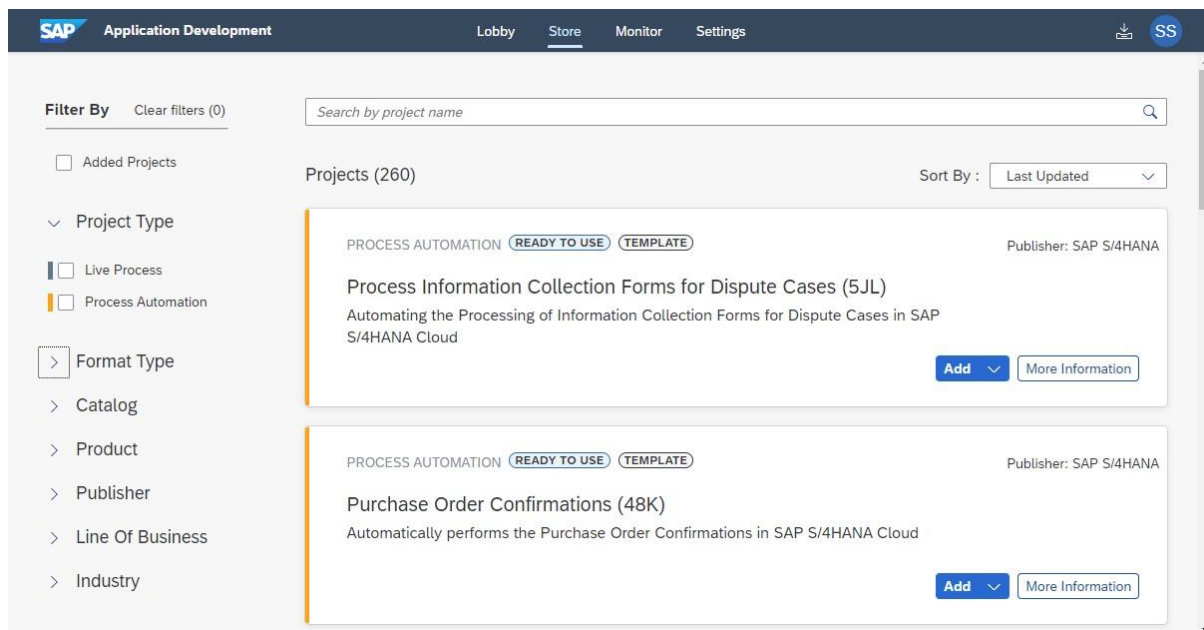


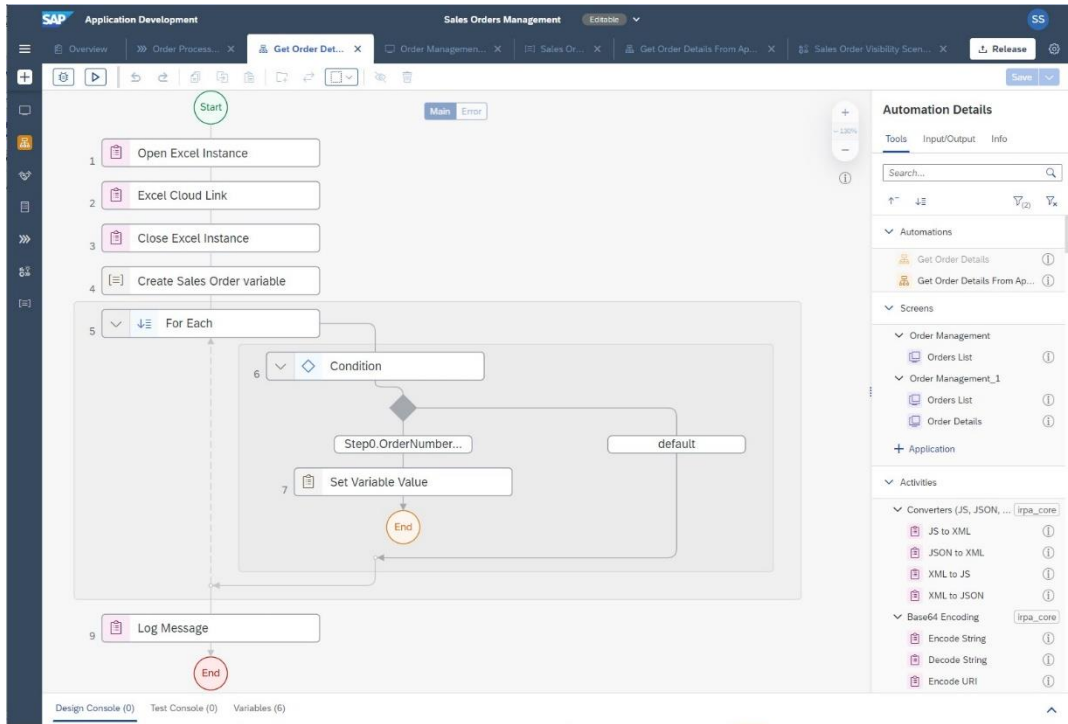






Chapter 10: Digital Process Automation





SAP Application Development | **Sales Orders Management** | **Editable**

Overview | Order... | Get... | **Order ...** | Sale... | Get Order Det... | Sales Order... | **Release**

Declared Application

- Order Management_1
 - Orders List
 - Order Details

Declared Elements

- Address zip city
- Address Region
- Address Country
- Customer

Display all on screen

Address

Name: ExcellentParcel

Street: Tottenham Court R

ZIP Code / City: N170AA London

Region: Greater London

Country: **United Kingdom**

SPAN

FOOTER

INTEGRATION

1/1

Element Details

Data and Criteria | Advanced

Element

Recognition Criteria

- Element uniquely identified
Recognition tests: 565

SPAN

id equals '__text41'

Captured Data

id: __text41

Text: United Kingdom

class: sapMText:sapUISelectable:sapMTextMa...

data-sap-ui: __text41

Design Console (0) | Test Console (0) | Variables (0)

SAP Application Development Sales Orders Management Editable SS

Overview » Order... Get... Order... Sale... Auto App... Get Order De... Release Save

Automatic Order Confirmation

Your order has been received and we will send you the details as soon as the order is shipped. You can find the details of your order below, please review and verify your request:

Your Sale's Order Details:

Order Number
Enter Text T

Order Amount
Enter a Value #

Expected Delivery Date
Select a Date

Expected Delivery ...

Format

Display based on user's location
Medium 14.08.2022

Allow selection of ...

☒ All Dates
☐ Only Past Dates
☐ Only Future Dates

☐ Required
☐ Read Only

Add Description

Design Console (0) Test Console (0) Variables (0)

SAP Application Development Sales Orders Management Editable SS

Overview » *Ord... Get... Order... Sale... Auto A... Dete... Sales O... Appr... Release Save

Determine Approver

Decision Diagram

Input → Determine Approver Input → Determine Approver → Decision → 2 →

Default Policy

General Information: Status: Draft

Description: Determine approver for sales order

If	Then
<input type="checkbox"/> Determine Appr...	Determine Appr... UserGroup Email
<input type="checkbox"/> EXISTSIN ['...]	<= 100000 'SO_APPRO...
<input type="checkbox"/>	> 100000 'SO_MGMNT'

Design Console (0) Test Console (0) Variables (0)

Instance

Order Processing



Started By: s:

Status

Definition ID: eu10. .salesordersmanagement.orderProcessing

Completed

INFORMATION ERROR MESSAGES CONTEXT EXECUTION LOG

```
13  {
14    "fb1gx6": "I8E4LR", "150935.13",
15    "fbdyZD": "2022-01-27"
16  },
17  "startEvent": {
18    "fbsVSc": "isYkd2rp", "SAP SE",
19    "fb1CFk": "JSjsPa41", "PO7918"
20  },
21  "form_approvalForm 1": {
22    "fbKE": "y11lyA6": true
23  },
24  "decision_determineApprover_2": {
25    "determineApprover_Output": {
26      "Email": " ",
27      "UserGroup": "SO_MGMT"
28    }
29  }
30 }
```

EXECUTION LOG

- Instance completed successfully
8 Aug 2022, 02:17:34
- completed the task "Your order PO7918 has been successfully received."
8 Aug 2022, 02:17:33
- Task "Your order PO7918 has been successfully received." available
8 Aug 2022, 02:17:20
Instance ID: d9d90cd4-1-0a86e494
Recipients:
Initiator:
- completed the task "Review and approve order PO7918 from SAP SE company"
8 Aug 2022, 02:17:20

Show Subflow Instances

Show Tasks

Store / More Information



Automatic Creation of Sales Order from Unstructured Data (SLT)

By SAP S/4HANA

Version: 1.0.1

Published At: August, 12 2022

Type: Process Automation

Open

Description Tags Documents (6) Artifacts (24) Version History

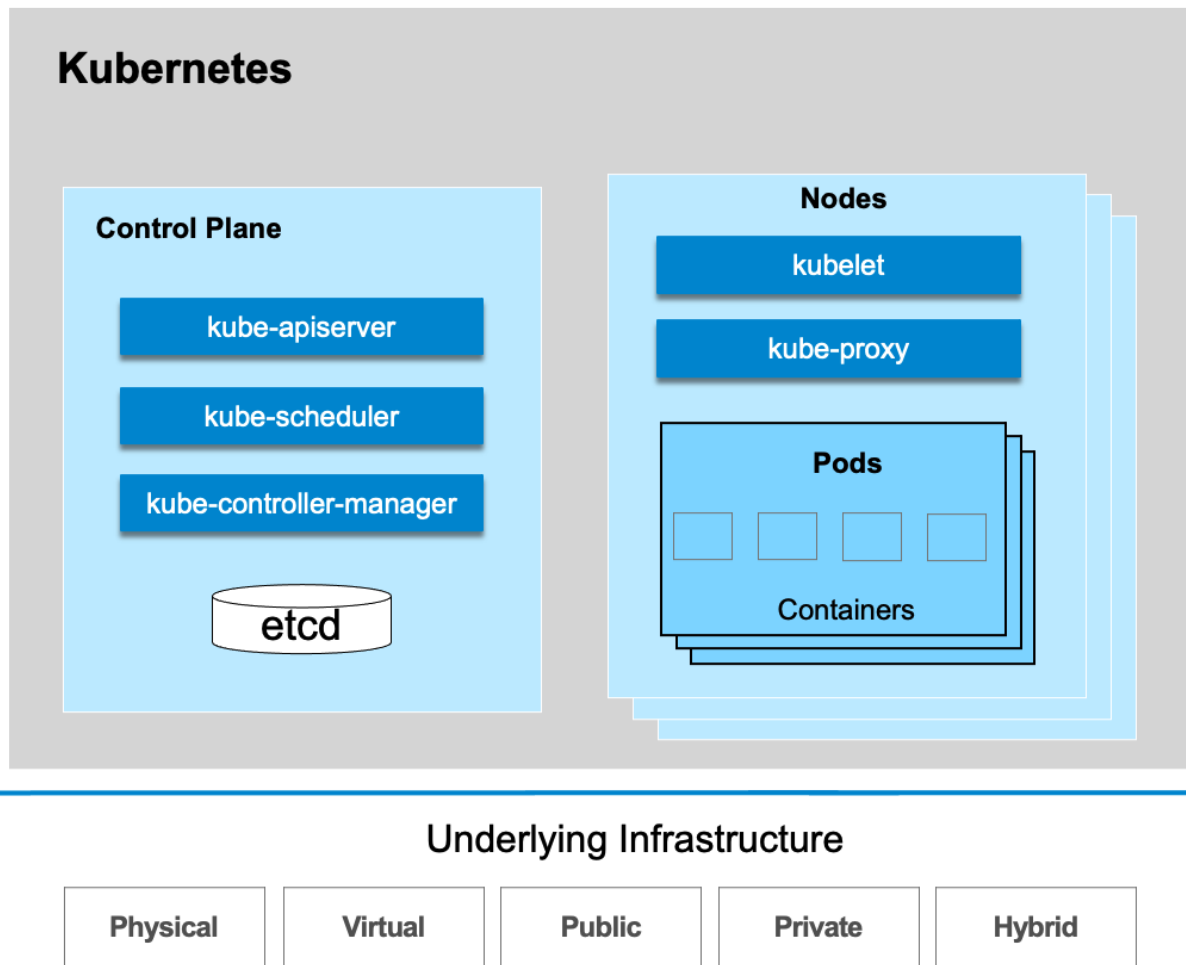
Documents (6)

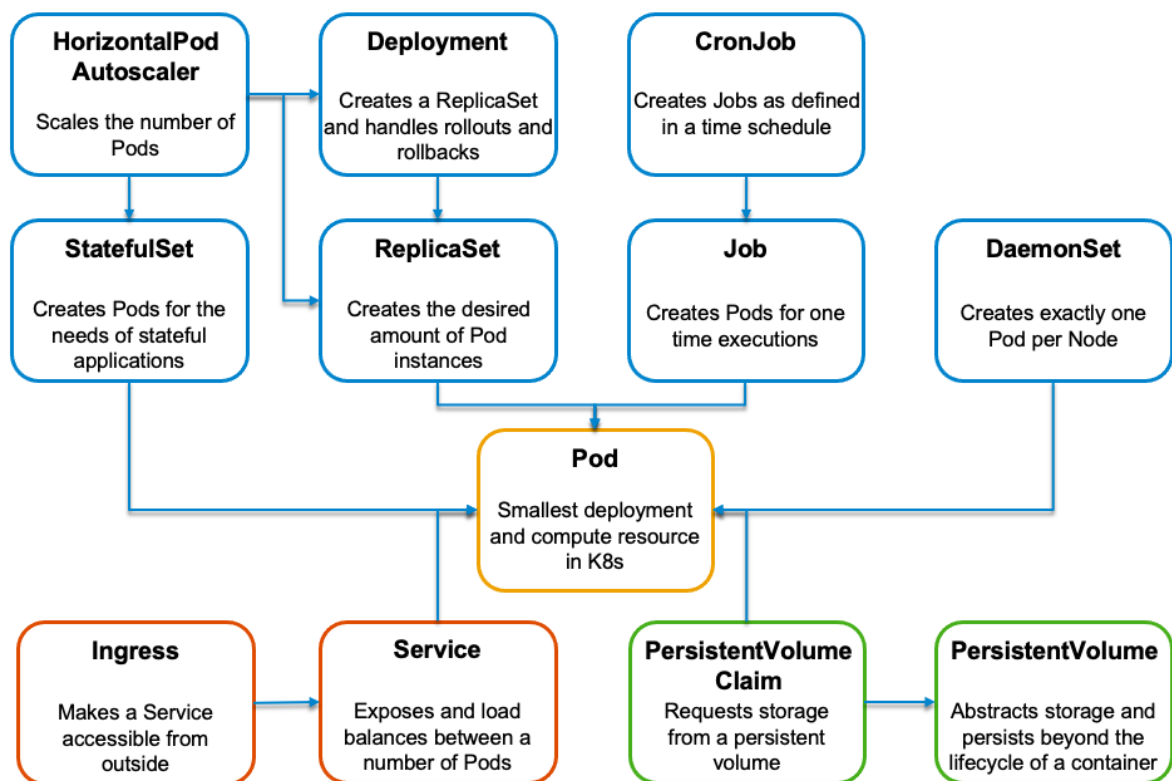
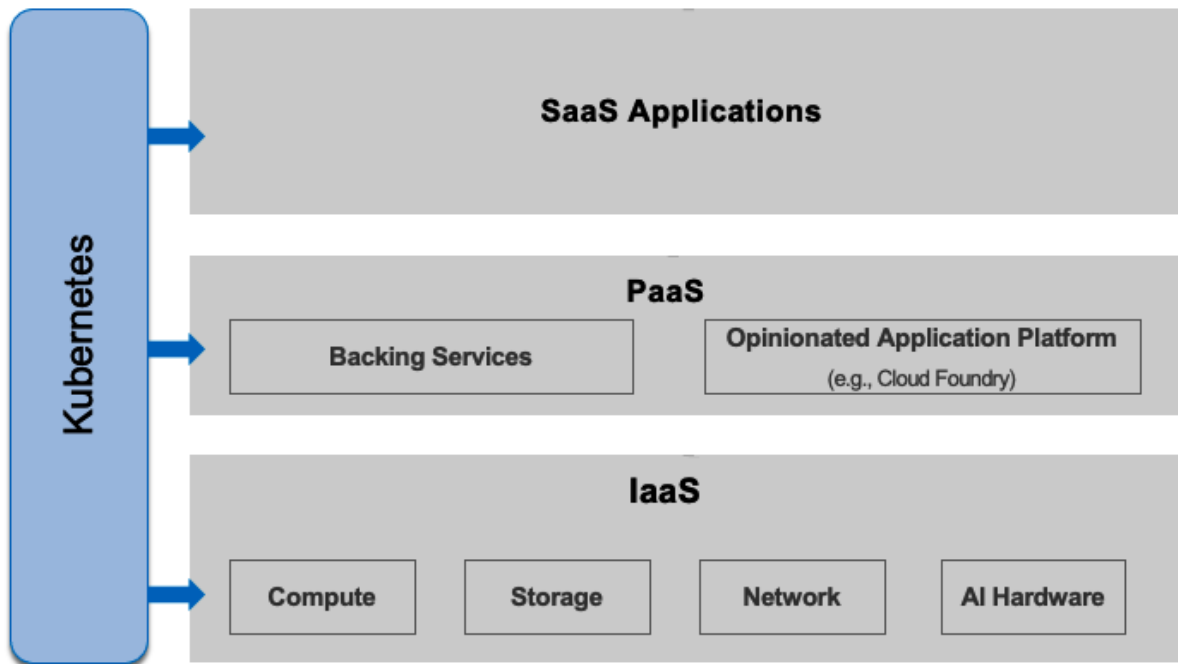
Name	Description
Sample Input Template - Automatic Creation of Sales...	A spreadsheet containing data to create Sales Order, in SAP S/4HANA system by the bot.
What's New - SAP Help Portal	
SAP Intelligent RPA 2.0 Content Configuration Guide with SAP...	
Test Script - Automatic Creation of Sales Order from Unstructured...	
Release Strategy - SAP Best Practices for SAP Intelligent RP...	
Disclaimer	

Artifacts (24)

Name	Description	Type
aCreateSalesOrders		applications
aLoginPage		applications

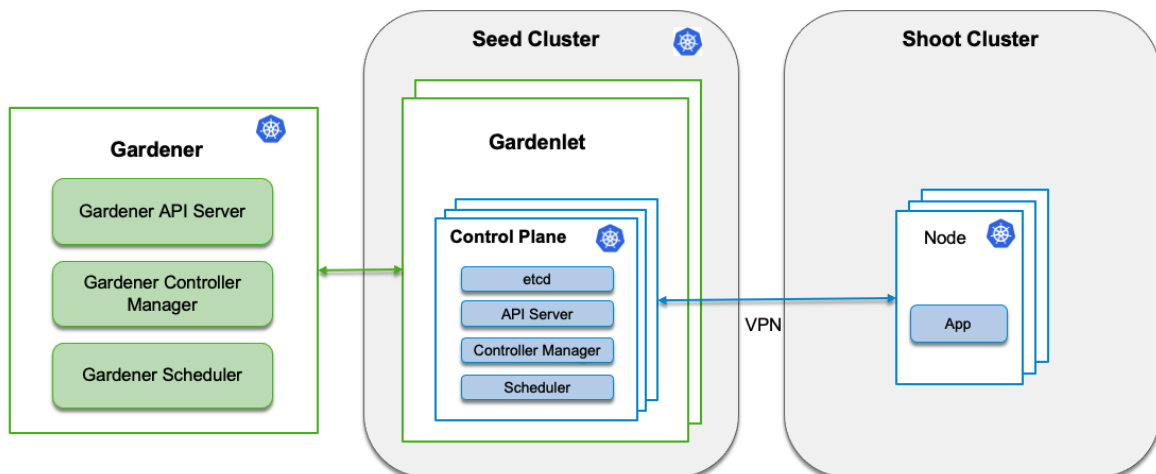
Chapter 11: Containers and Kubernetes

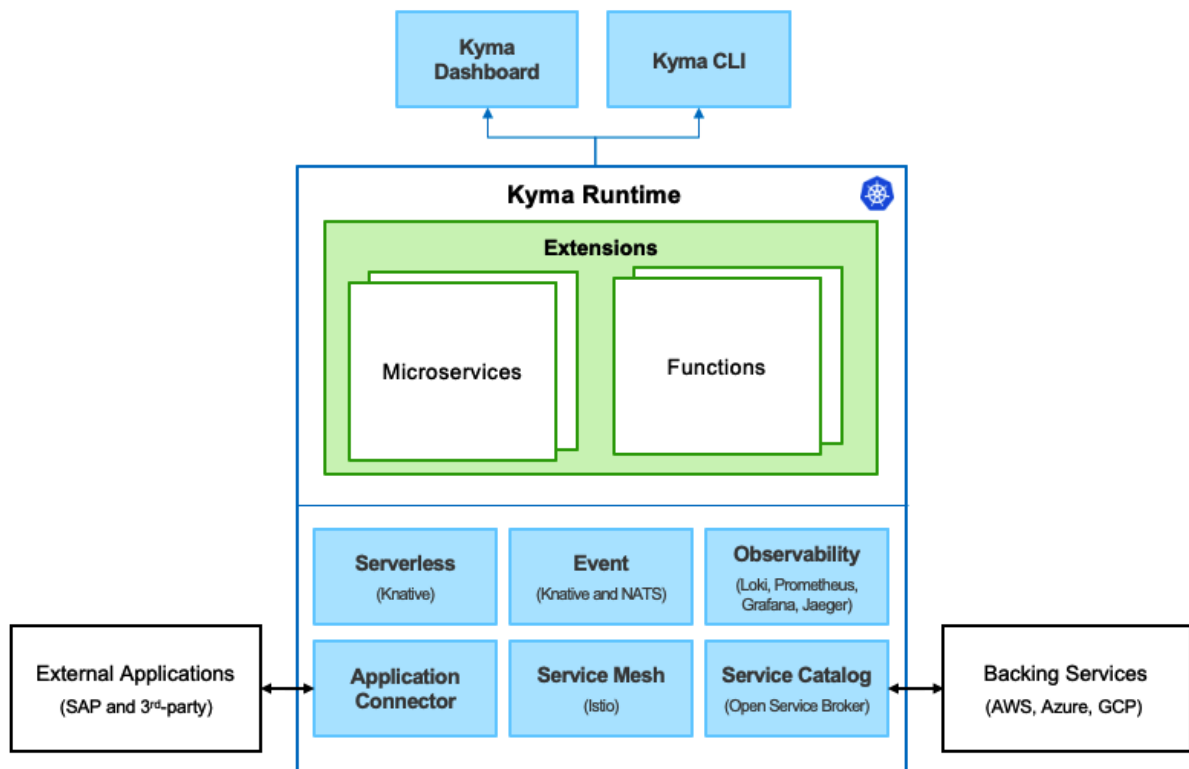




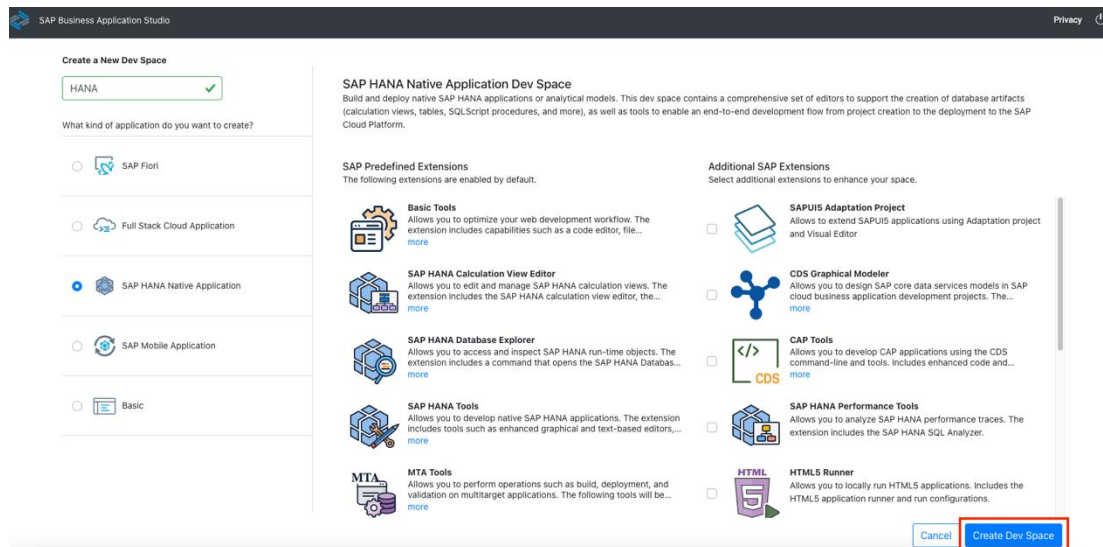
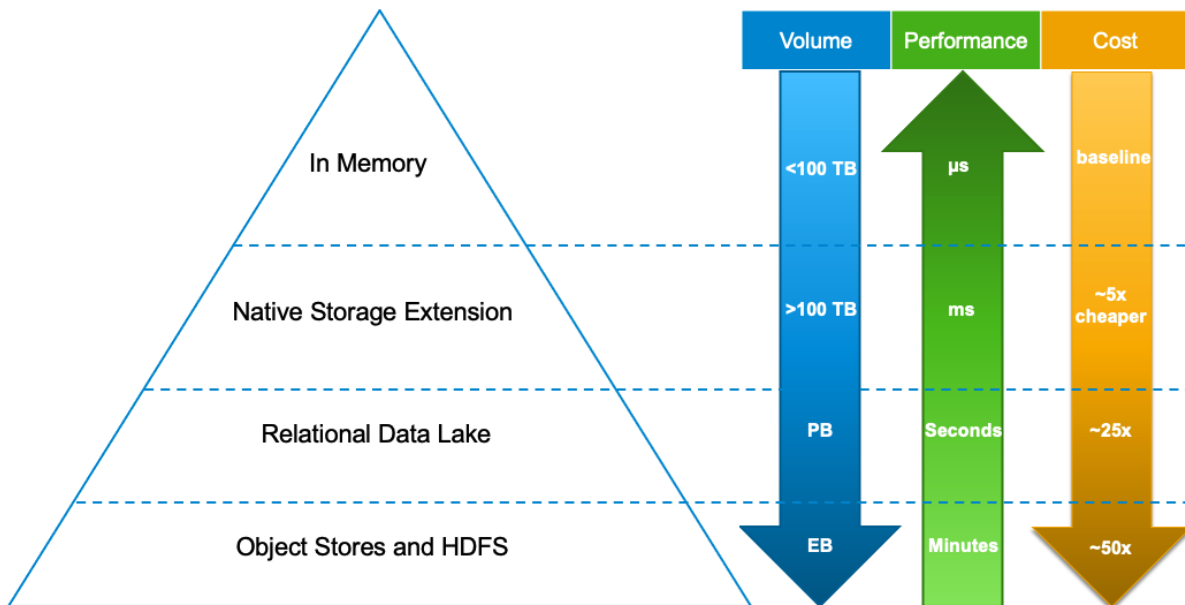
Gardener – Kubernetes-as-a-service at Scale

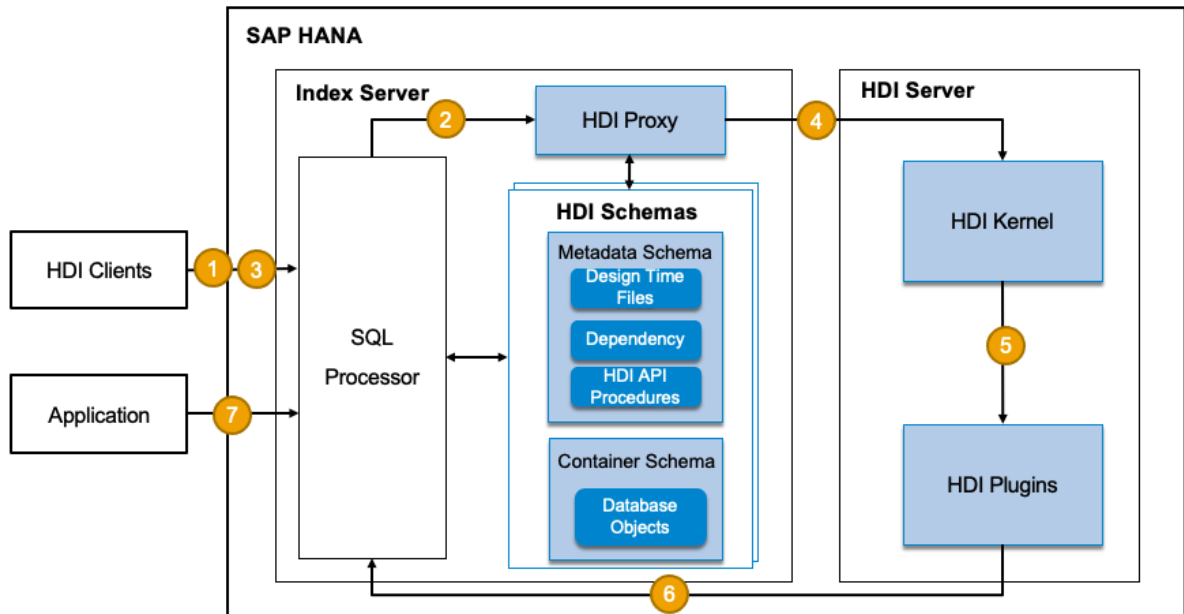
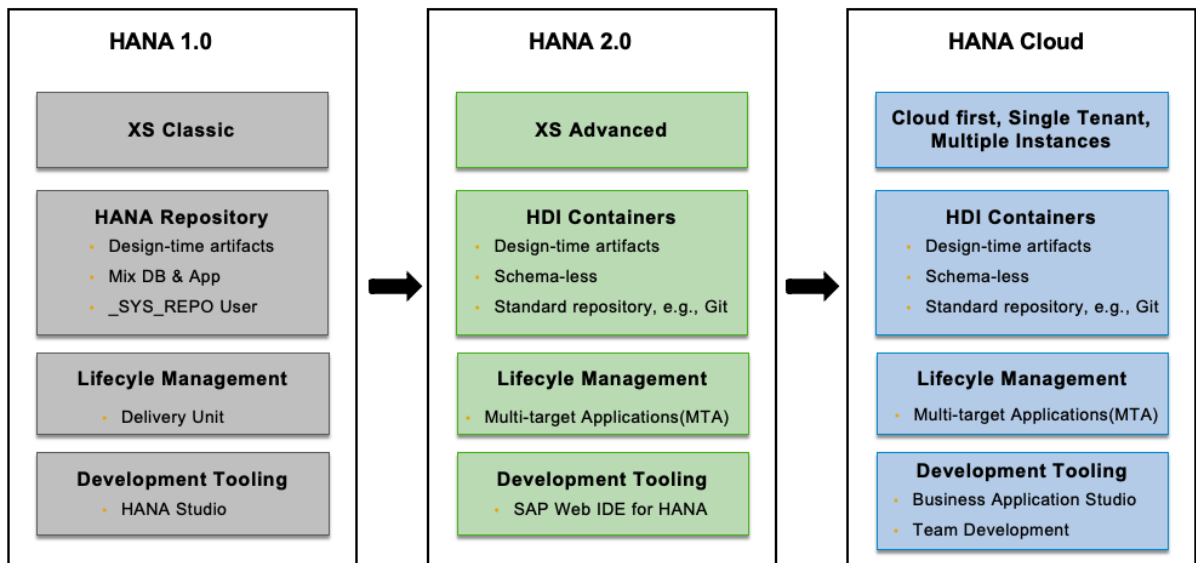
- Multi-cloud & multi-OS portability
- Configurable Control Plane
- Homogenous
- Hybrid and private cloud support
- Fleet Management
- Thousands of Clusters
- Minimal TCO
- Control Plane as a service





Chapter 12: SAP HANA Cloud





Space: dev - Service Marketplace

All: 40

Consume an object-relational database with PostgreSQL ba...

Redis, hyperscaler option
Implement an in-memory cache with Redis based on native...

SAP HANA Cloud
Leverage the in-memory data processing capabilities of SA...

SAP HANA Schemas & HDI Containers
Manage schemas and HDI containers on an existing SAP H...

SAP HANA Schemas & HDI Containers Trial
Manage schemas and HDI containers on an existing SAP H...

Service Manager
The central registry for service brokers and platforms in SA...

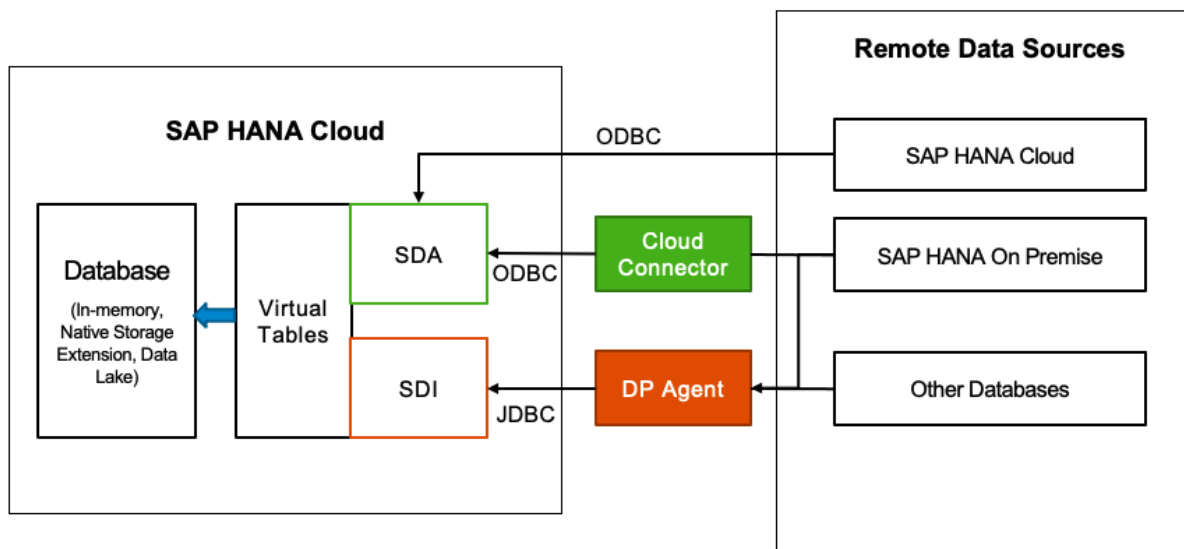
Usage Data Management
Collect and analyze usage information for analysis, reportin...

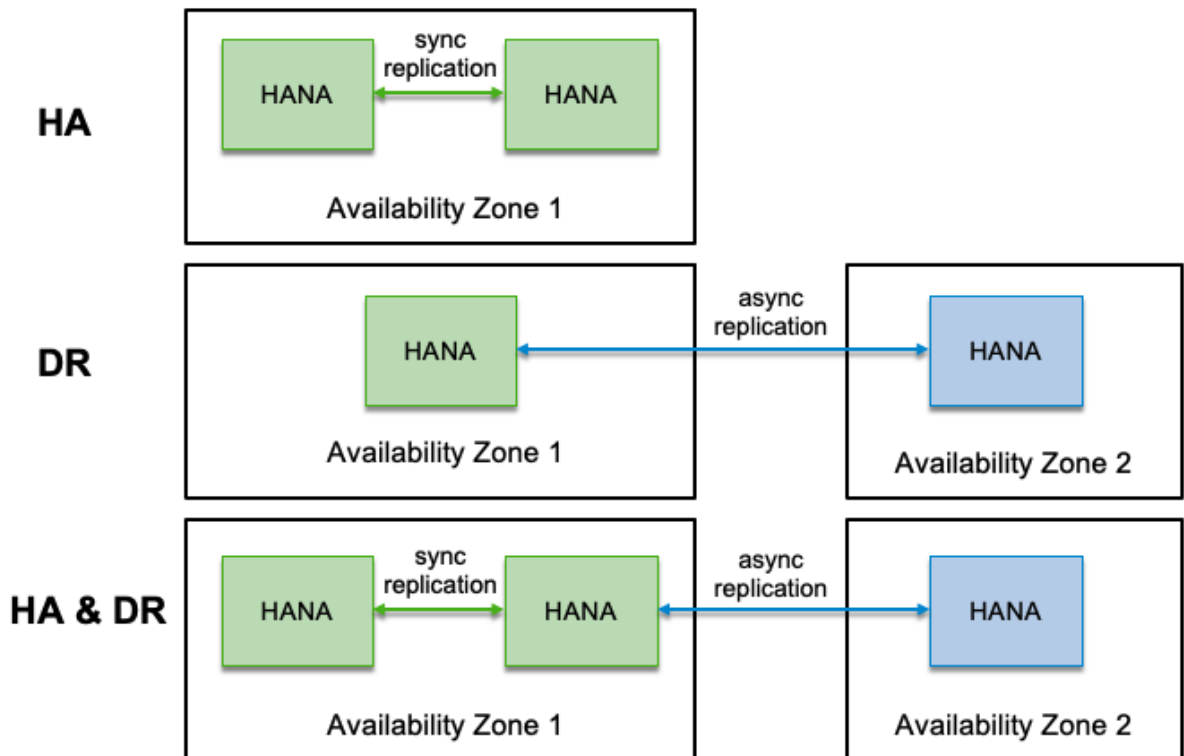
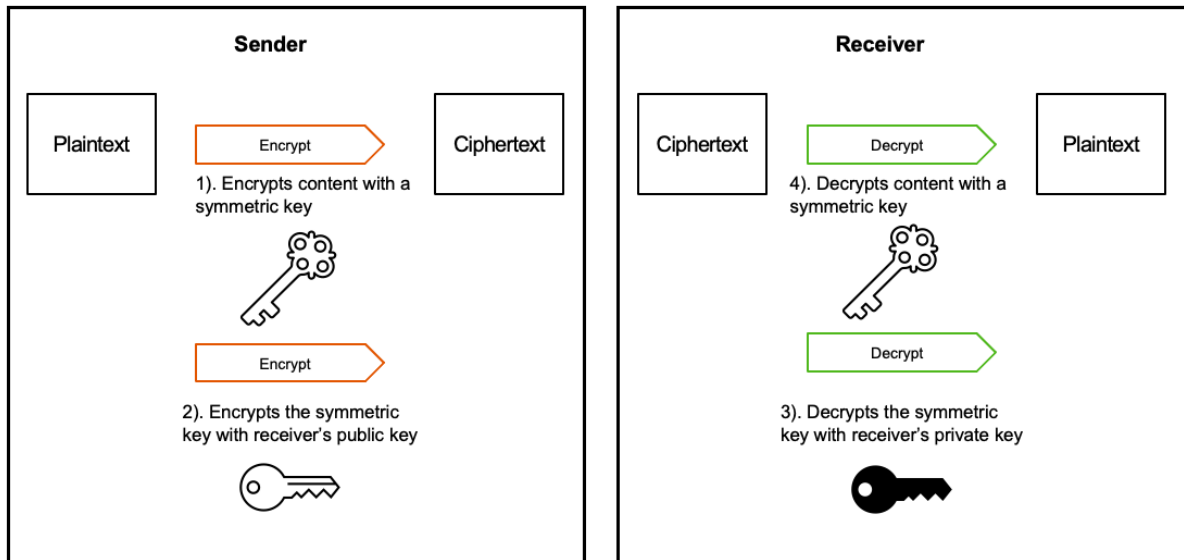
SAP HANA Schemas & HDI Containers
 name: hana

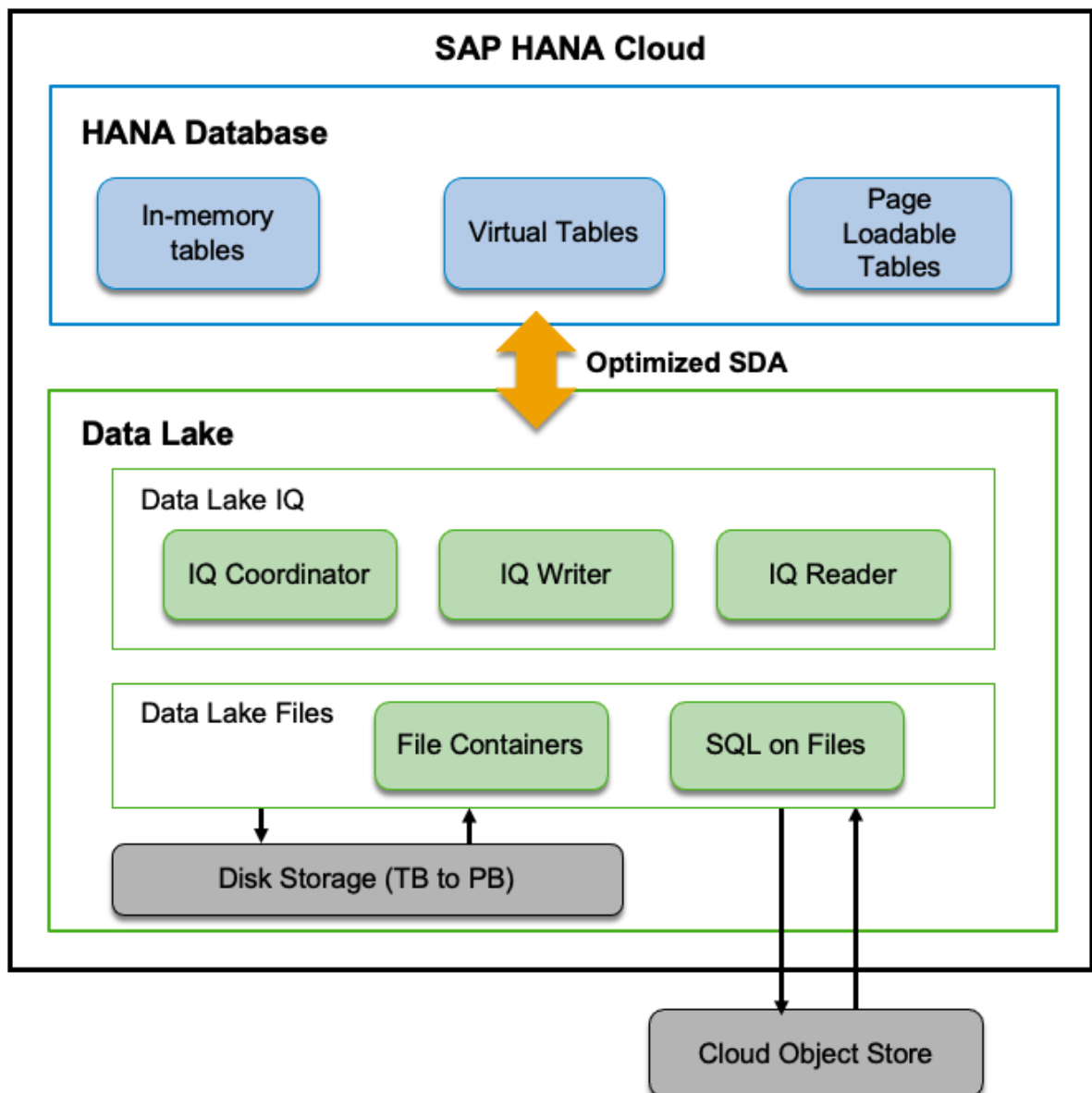
Overview [Service Plans](#)

Choose a service plan to create an instance of this service.

Plan	Description	Environments
hdi-shared	HDI container on a HANA database More	Cloud Foundry
sbss	User with permissions to use SBSS More	Cloud Foundry
schema	Schema on a HANA database More	Cloud Foundry
securestore	User with permissions to use secure store More	Cloud Foundry







SAP HANA Cloud

HANA Database

REMOTE EXECUTE Procedure

Data Lake

Data Lake IQ

Container Group

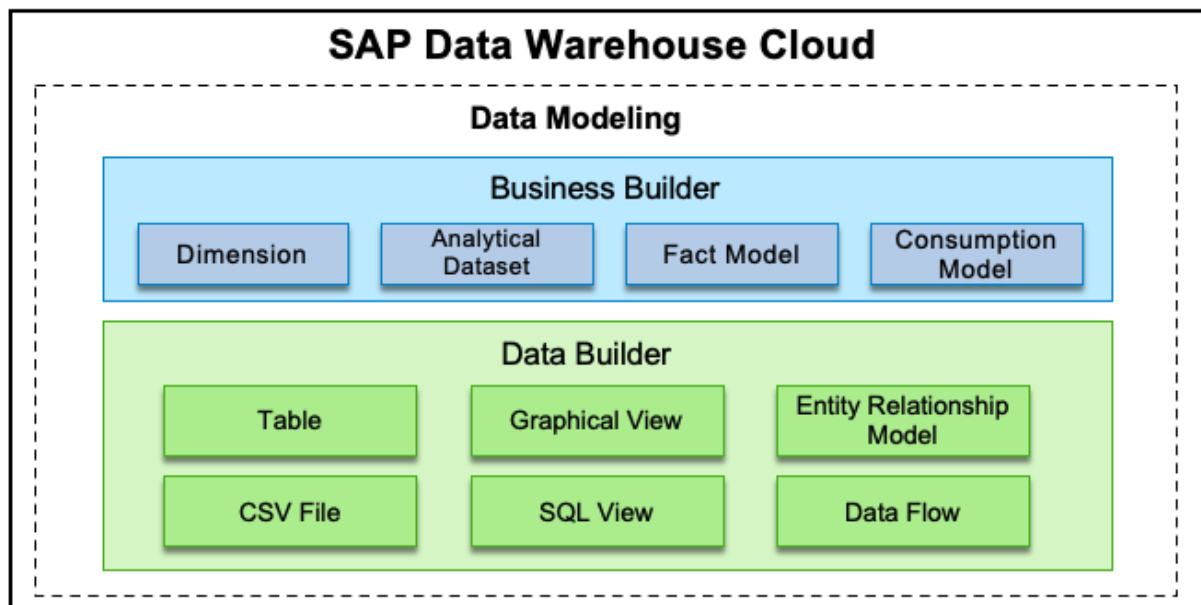
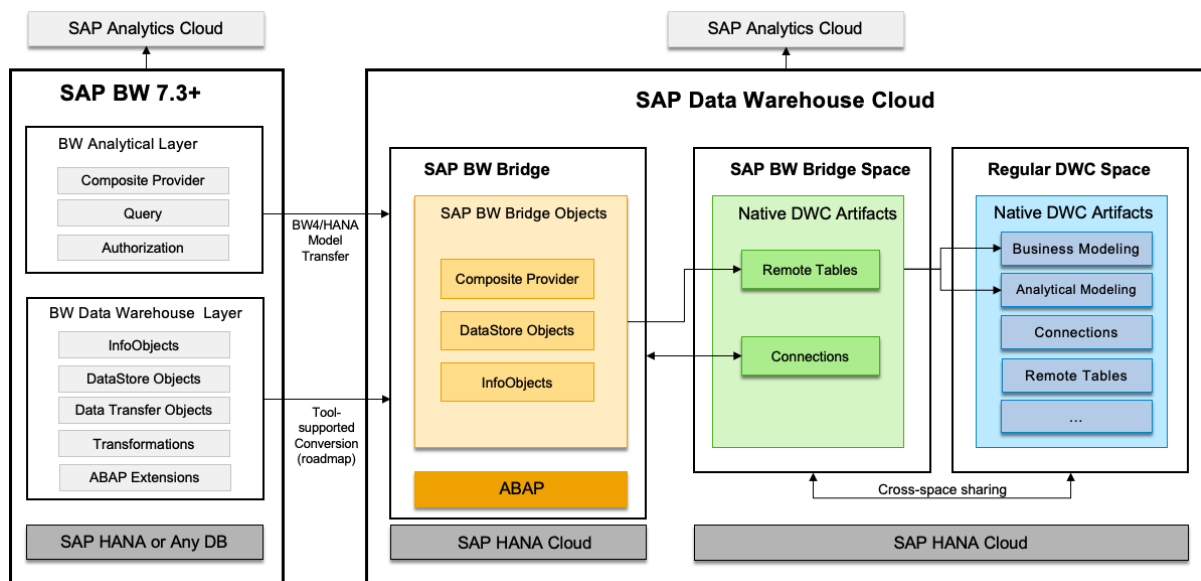
Relational
Container

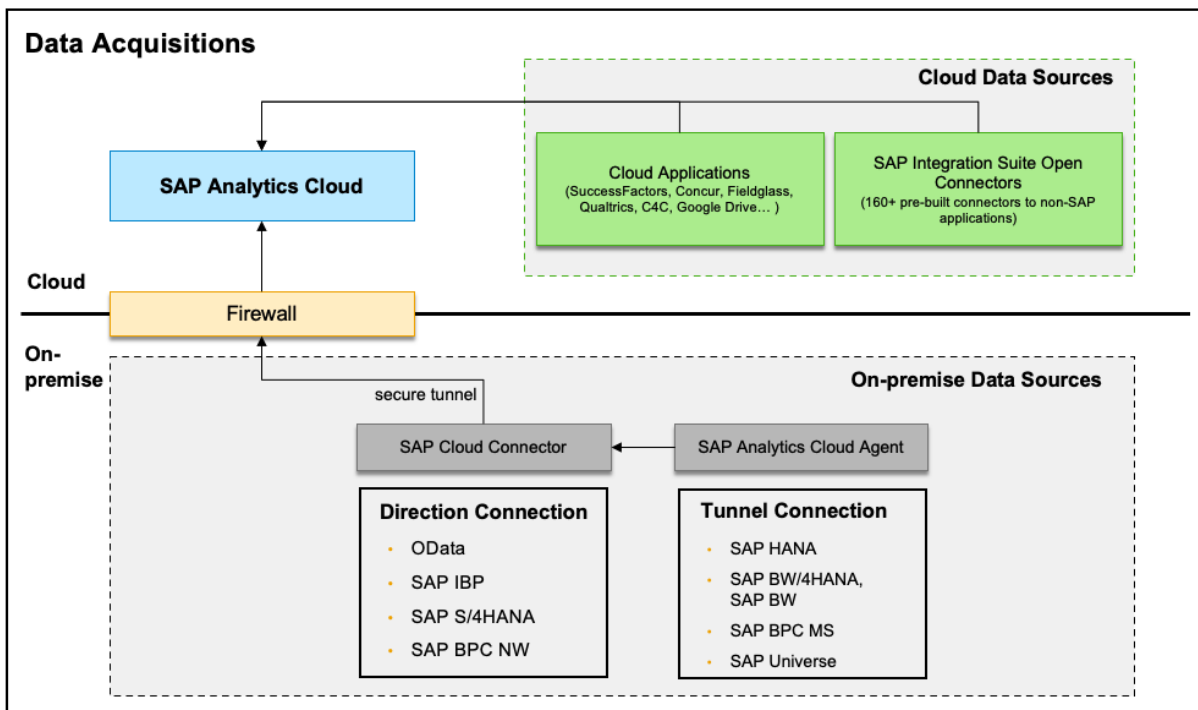
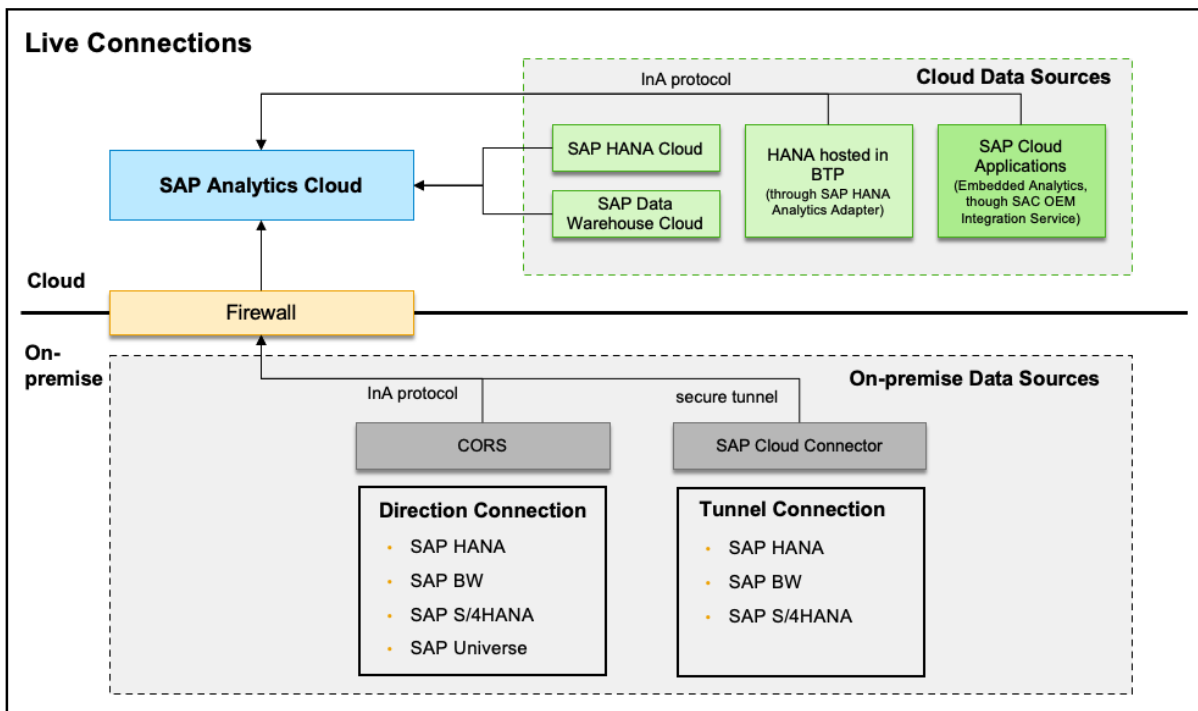
Relational
Container

Data Lake Files



Chapter 13: SAP Analytics Cloud





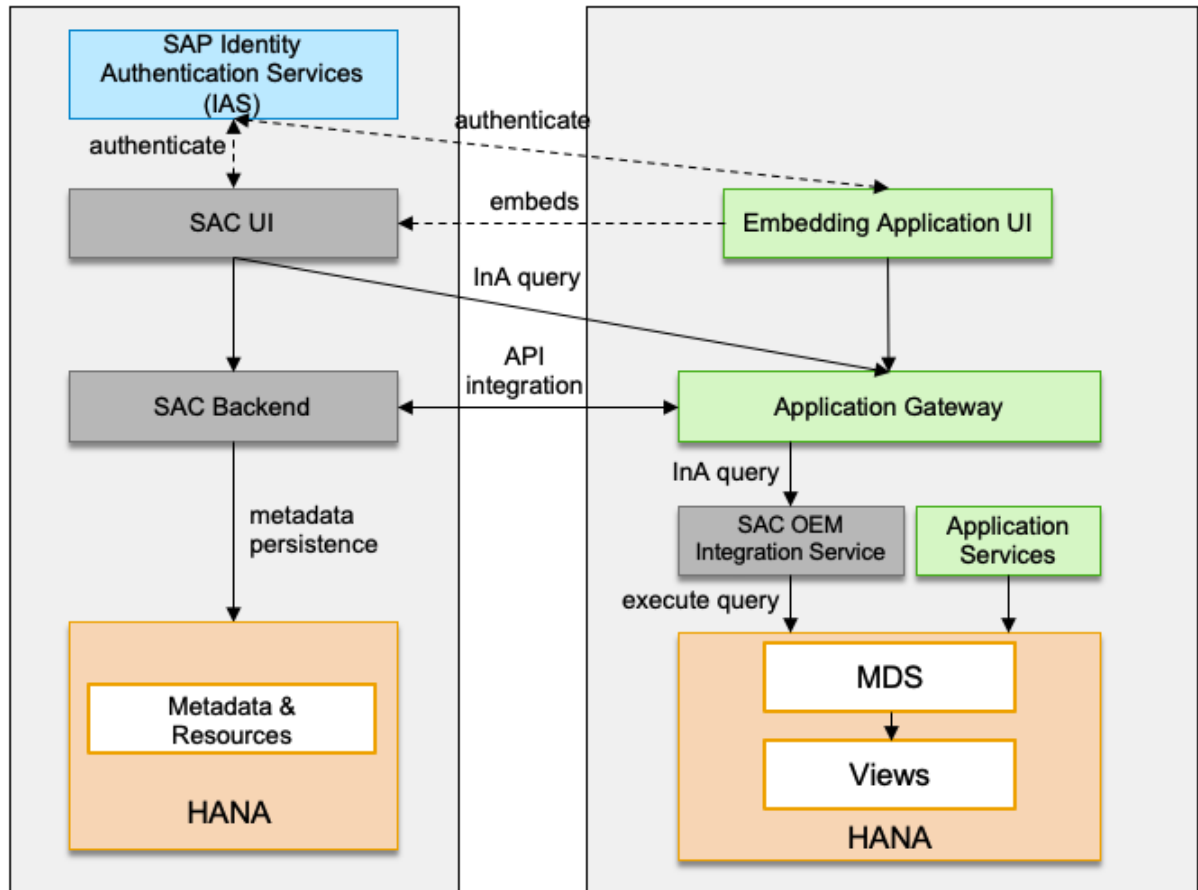
Classic Account Model: Single measure with multiple accounts

Account	Customer ID	Product	SignedData
No. of License	1	Prod-1	100
No. of License	2	Prod-2	200
Opportunity Value	1	Prod-1	100,000.00
Opportunity Value	2	Prod-2	200,000.00



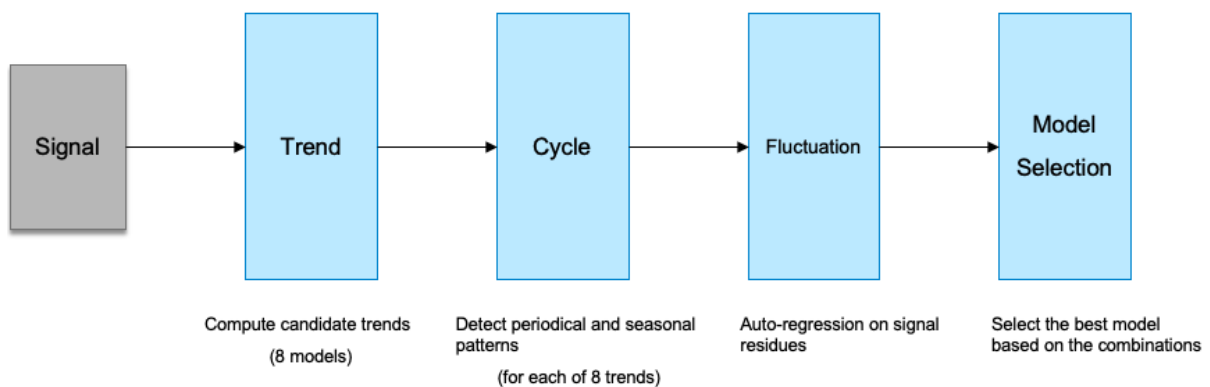
New Model: Multiple measures without account dimension

Customer ID	Product	No. of License	Opportunity Value
1	Prod-1	100	100,000.00
2	Prod-2	200	200,000.00



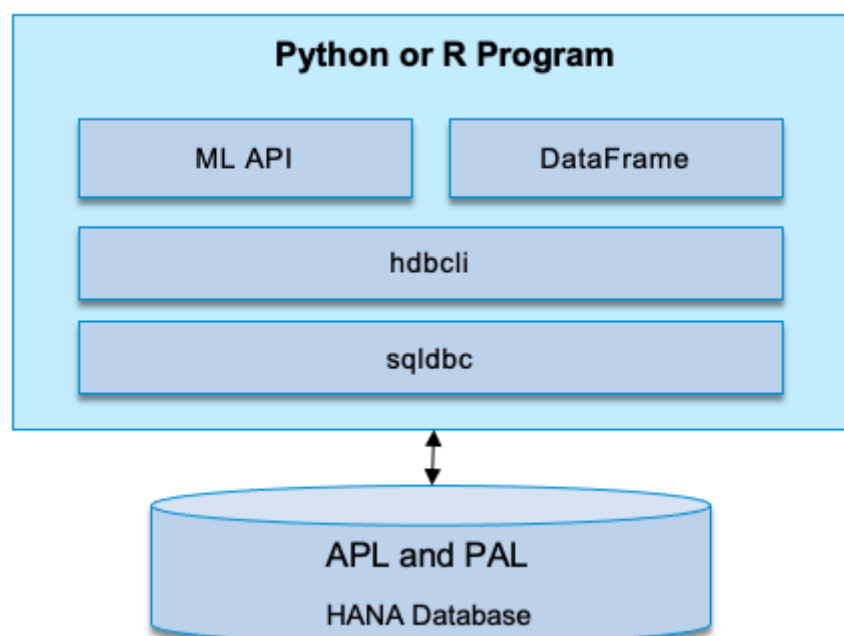
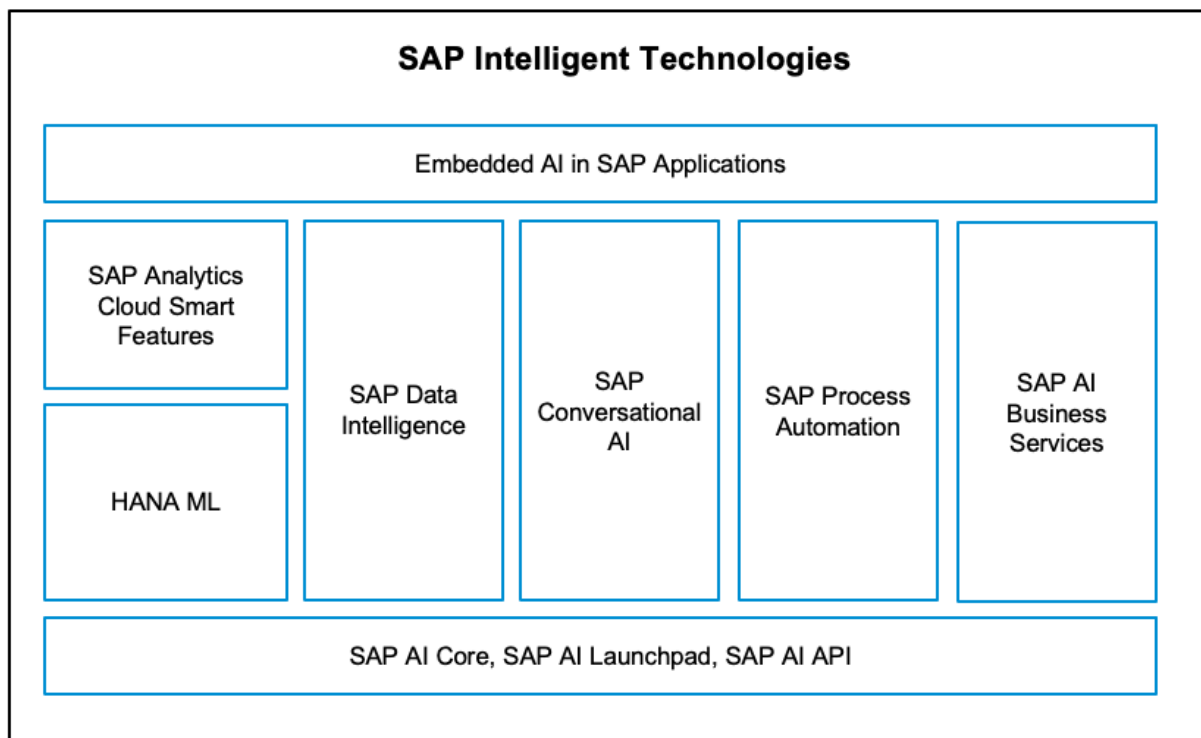
BTP Data Center

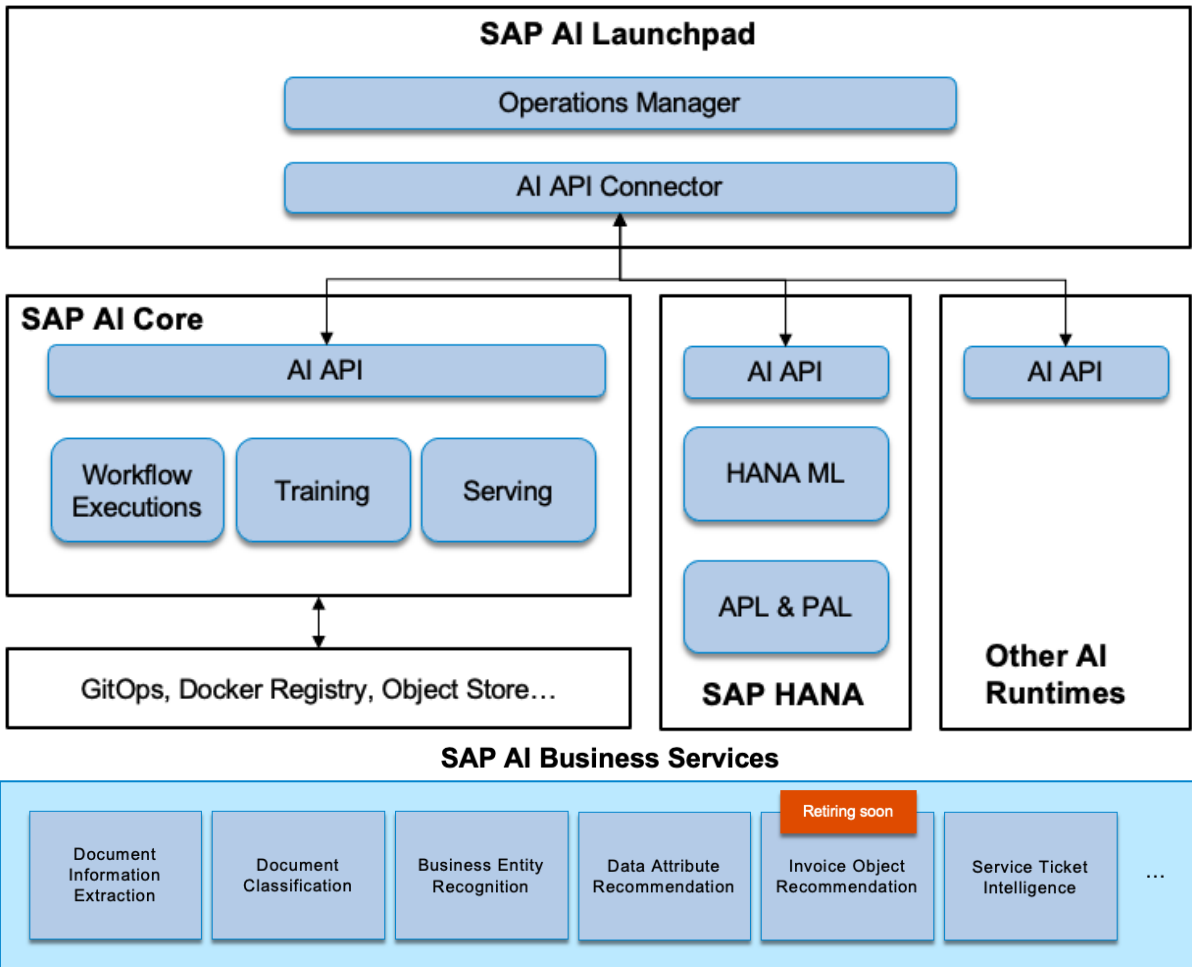
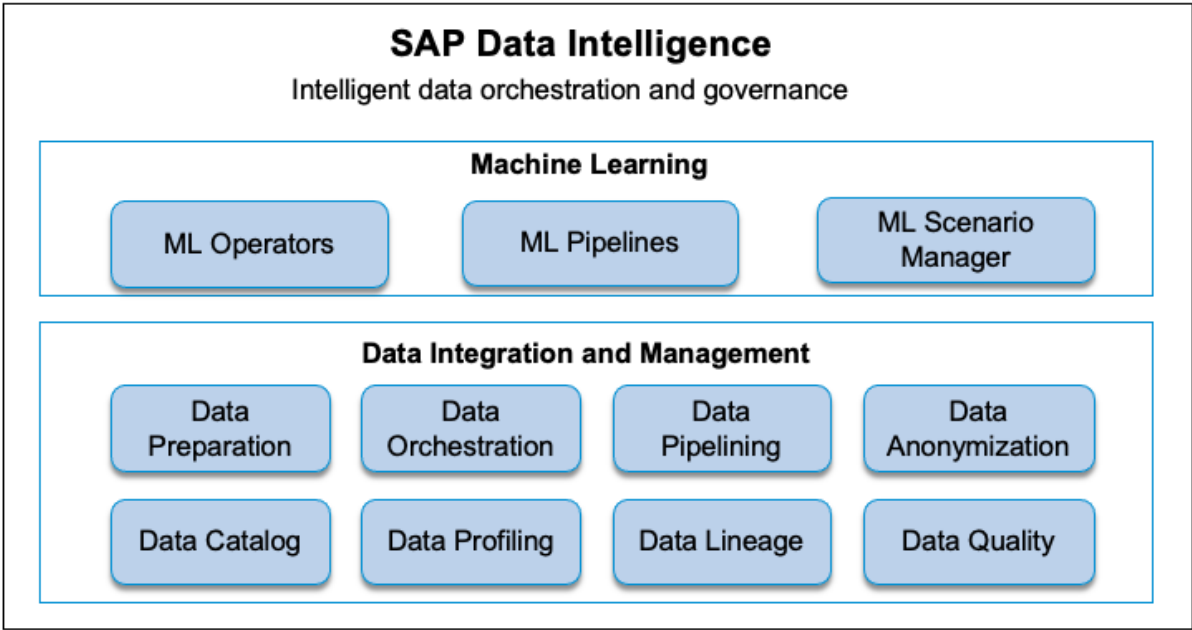
Embedding Application Data Center



	2022																								
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.													
Quarterly Release Cycle (Dev, QA, Prod)			Wave 2022.02			Wave 2022.08			Wave 2022.15			Wave 2022.21													
Test Preview Release Cycle		Wave 2022.02				Wave 2022.08				Wave 2022.15			Wave 2022.21												
Fast Track Release Cycle		2022.02	2022.03	2022.04	2022.05	2022.06	2022.07	2022.08	2022.09	2022.10	2022.11	2022.12	2022.13	2022.14	2022.15	2022.16	2022.17	2022.18	2022.19	2022.20	2022.21	2022.22	2022.23	2022.24	2022.25

Chapter 14: SAP Intelligent Technologies





SAP Process Automation

