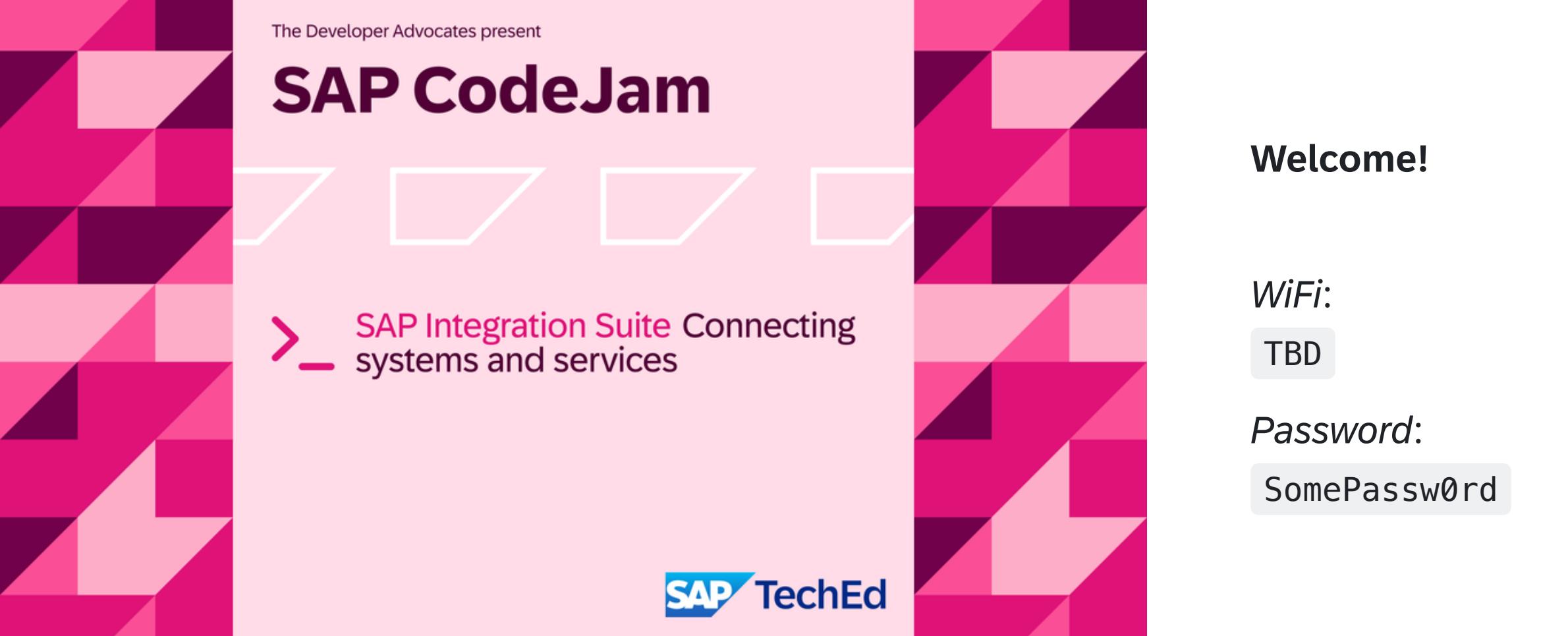


The Developer Advocates present

SAP CodeJam

> SAP Integration Suite Connecting systems and services



The Developer Advocates present

SAP CodeJam

> SAP Integration Suite Connecting
systems and services

SAP TechEd

Welcome!

WiFi:

TBD

Password:

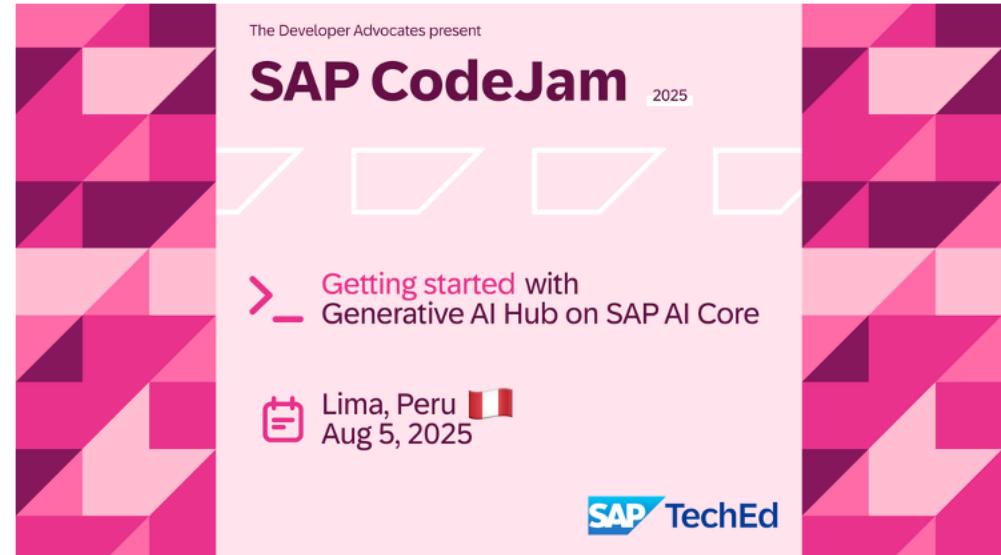
SomePassw0rd

SAP CodeJam | About

It's a 5-6 hours **hands-on** and **networking** event where developers share their knowledge and collaboratively develop with SAP platforms and products in a fun and casual environment.

- Developer-community oriented
- Led by SAP developer advocates
- Explore products / platforms that have free developer editions available on SAP BTP
- Not training or certificate programs, no sales presentations are included in the agenda

For more information about the program and how to request an event, visit [SAP Community](#) pages.



SAP Developer Advocates

We help developers be successful.

We do that by engaging with the community and **creating and presenting content designed to help developers discover, understand and adopt SAP technologies.**

Our aim is to **maintain communications in both directions**, to understand what developers need to know, listen to what developers have to say, and represent what we hear back into SAP product development.

<https://developers.sap.com/developer-advocates.html>

SAP Developer Advocates | Global team



<https://developers.sap.com/developer-advocates.html>

SAP Developer Advocates

Personal Insights



Thomas Jung M

May 20, 2022 | 7 minute read

Star Wars App – No-Code Challenge

1 16 1,961

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This blog post describes my participation in the [No-Code Challenge](#). If you aren't familiar with the challenge, please check out the blog post by [Daniel Wroblewski](#) for the full details. But in short, it's an opportunity to get to know [SAP AppGyver](#) a little better and share what you were able to build with the SAP Community.

My goal was to build a mobile app that allowed me to view Star Wars data originally sourced from the public [Wookieepedia](#). You never know when you might be out and about and need to quickly lookup the climate of a planet from Star Wars. Ok, maybe not the most business-critical app, but one I certainly enjoy playing around with.



SAP Developer News ► Play all

SAP Developer show for weekly updates on the latest happening in the SAP developer world in about 5 minutes.



SAP Developer News

SAP Developers 942 views • 5 days ago
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ASUG (Tech Connect), ABAP and CAP at TechEd,...

SAP Developers 1K views • 12 days ago
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SAP TechEd Day 2 | SAP Developer News

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SAP TechEd Day 1 | SAP Developers News

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Watch the recordings of the tech talks and live discussions with the experts for tips and best practices to improve your code, trends and industry insights, and more.



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Fun Friday Trivia - Session 2 of 2

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• Streamed 1 month ago



SAP Integration Suite - Hybrid Integration

SAP Developers 1.2K views • 1 month ago



Using the SAP Approoter at dev time - a full-stack...

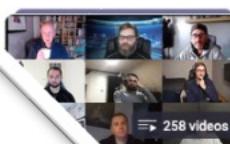
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SAP Developer Shows



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SAP Developer News

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2 Minutes of...

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Updated 3 days ago

<https://developers.sap.com/developer-advocates.html>

SAP Developer Advocates

Devtoberfest from SAP



HOW TO PLAY
SIMPLE REGISTERS FOR
ENTERTAINMENT PURPOSES ONLY.
LEVEL 1
LEVEL 2
LEVEL 3
MAKING THE LAWYERS HAPPY
THIS SURVEY IS OFFERED FOR
ENTERTAINMENT PURPOSES ONLY.
THE ACTION POINTS CALCULATION FOR
DETOBERFEST LEVELS AND CONTENT
HAPPENS OUT OF DETOBERFEST APP.

Today

Sun	Mon	Tue
17	18	19
Overview of ABAP Cloud	Start Your Journey with SAP Extensibility	ABAP Cloud for Classic SAP Applications
Making SAP Extensible	From Idea to Reality: SAP Cloud Platform	Capire: Introduction, En...
ABAP Cloud for Classic SAP Applications	Custom UI & Theming	
Capire: Introduction, En...		
24	25	26
SAP CAP in Flight: BTP ...	Start Automating Your SAP System	What's New in SAP Business Application Services
How to Clean your ABA...	What's New in SAP Business Application Services	SaaS Enablement for C...
SaaS Enablement for C...	Add Event-Based Triggers	What's New in the ABA...
What's New in the ABA...	Introducing Enterprise...	Introduction to Embedd...
Introduction to Embedd...	The Build Store: Let Pre...	

24-Nov-2023 - SAP CodeJam

SAP CodeJam BTP: Hands-on with the btp CLI and APIs (Barcelona, Spain)

This SAP CodeJam BTP event is on the Core Service APIs for SAP BTP and also the command line interface tool for SAP BTP, otherwise known as the btp CLI. This is an in-person event only (not virtual) and is planned for Nov 24, 2023. It will be held at SAP, Torre Diagonal Mar, C/ de Josep Pla, 2 13, 08019 Barcelona, Spain. You are attending. 27 attending. 2 likes. 0 comments.



30-Nov-2023 - SAP CodeJam

SAP CodeJam ABAP: SAP BTP, ABAP Environment & RAP

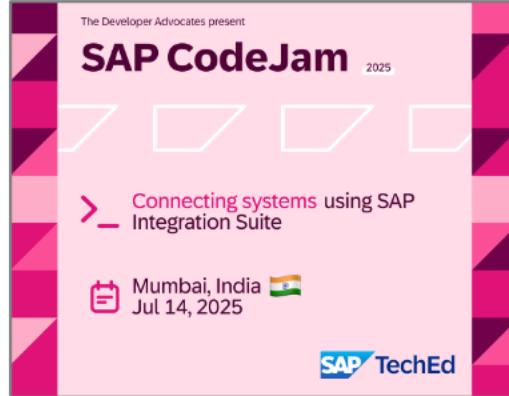
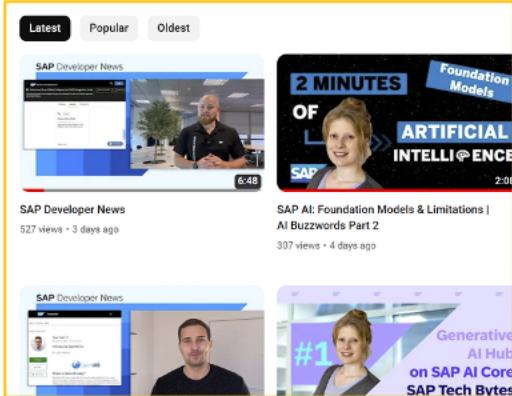
Note: We have reached our maximum registration capacity and RSVP for this event is now closed. For those who could not sign up this time, please wait for the next announcement in this region. This CodeJam instance... Physical Cyber Park, Electronic City Phase I, Electronics City Phase 1, Electronic City, Bengaluru, Karnataka, India. 44 attending. 6 likes. 2 comments.





<https://developers.sap.com/developer-advocates.html>

Developer Advocates – What we do?



A screenshot of the SAP Community website showing the SAP Builders group page. The header includes the SAP logo and "Community". The group name "SAP Builders" is displayed, along with a brief description: "Join the SAP Builders group and engage with a community to unleash innovation by building apps, process automation sites without writing code." Below this, there are member statistics: 932 members, owned by Den_Wroblewski, and created on 11-09-2022. A red arrow points to the "Join Group" button.

Experts

- Team of 18 experts on
 - ABAP
 - UI5
 - CAP
 - AI
 - Analytics
 - SAP Build
 - SAP BTP
 - Integration
 - OData
 - SAP HANA

YouTube

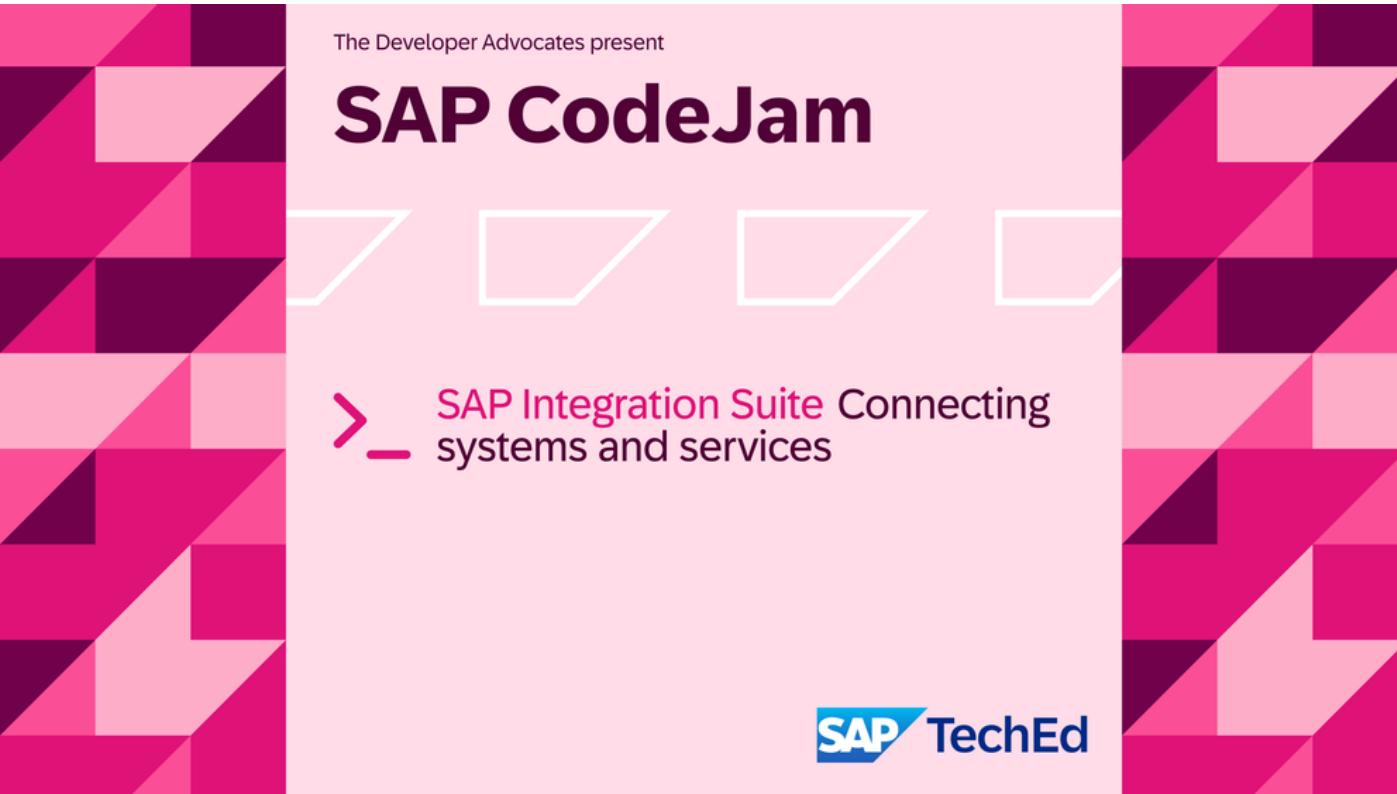
[SAP Developers](#)

Events

- TechEd
- Devtoberfest
- CodeJams
- Conferences

SAP Community

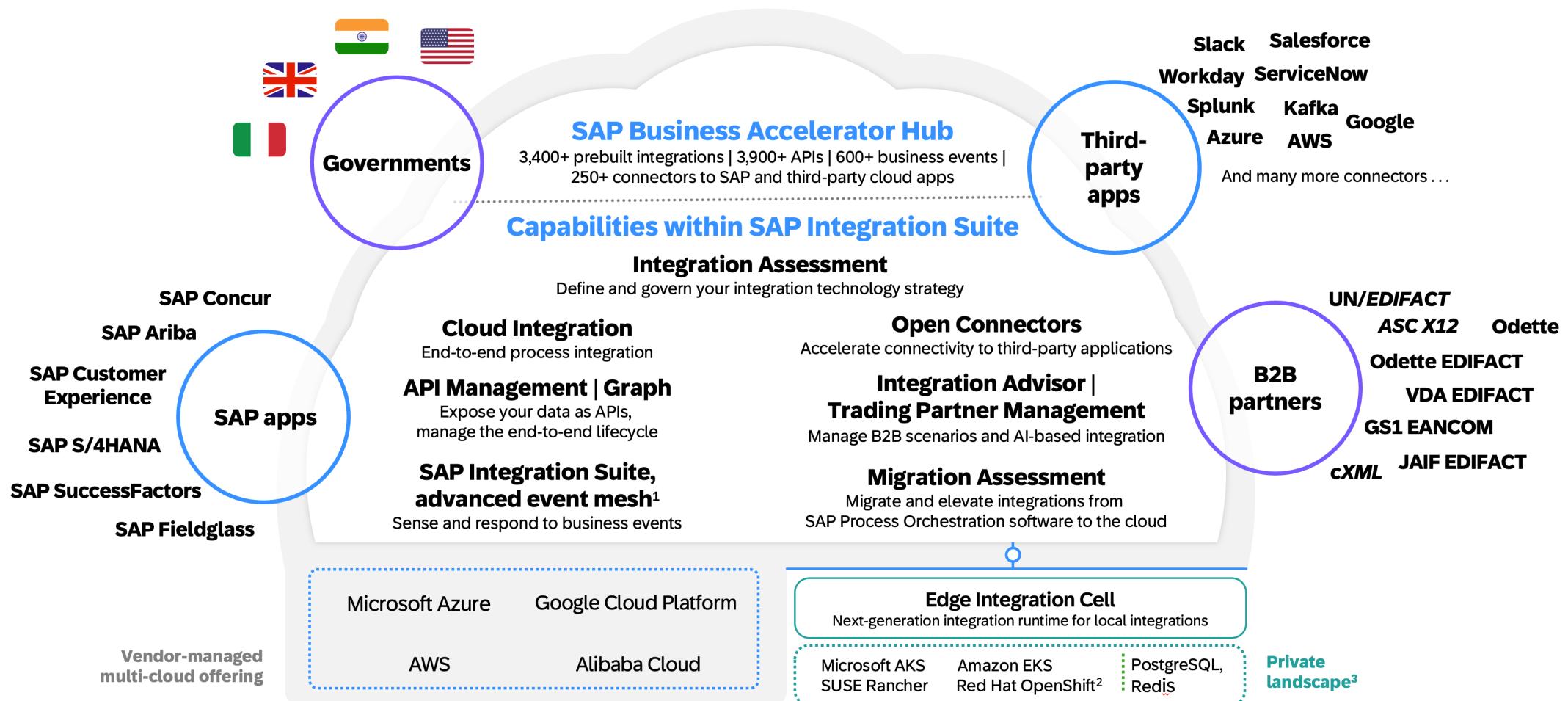




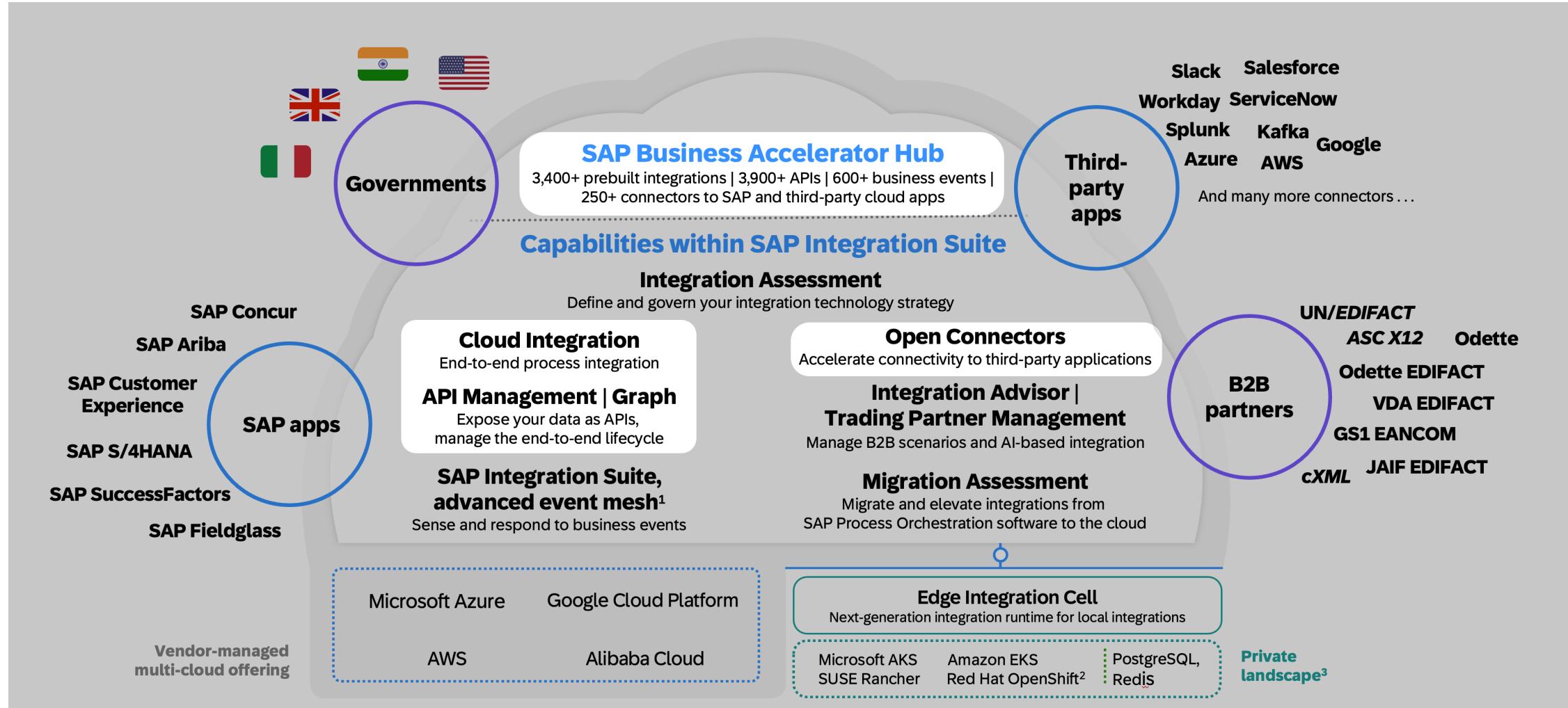
Agenda

- 09:30 - Introduction
- 10:00 - Exercises 01 - 04
- 11:30 - Break
- 12:00 - Exercises 05 - 06
- 14:00 - Wrap-up

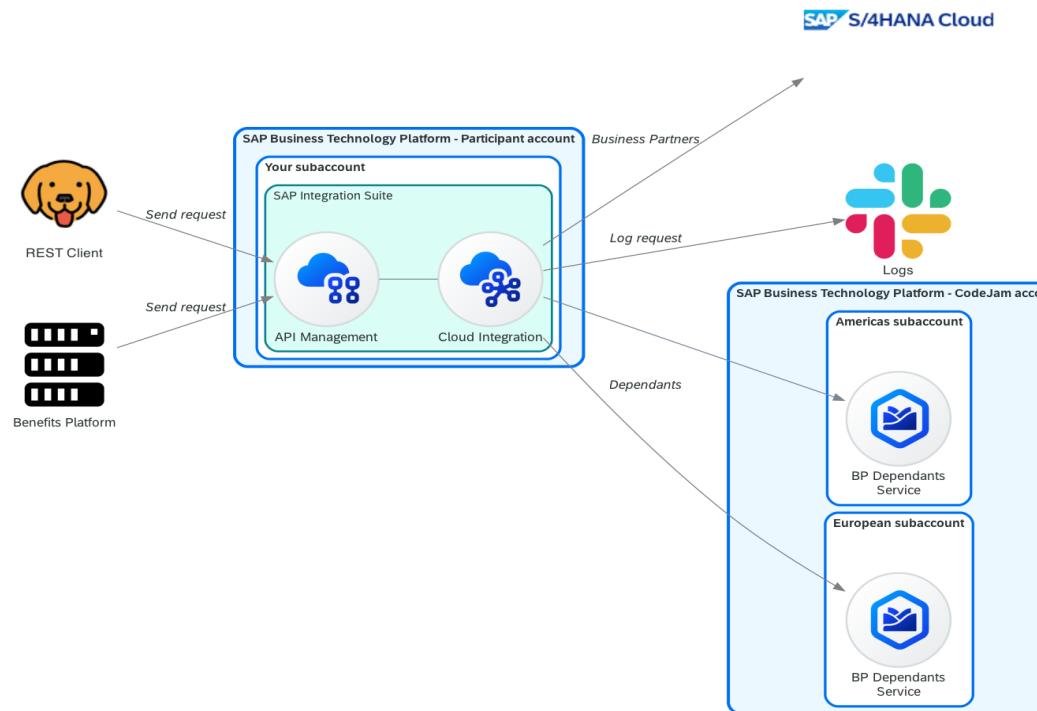
SAP Integration Suite



SAP Integration Suite



SAP CodeJam - Integration scenario



SAP CodeJam - Repository

The screenshot shows the GitHub repository page for `SAP-samples/connecting-systems-services-integration-suite-codejam`. The repository is public and was generated from `SAP-samples/repository-template`.

Code tab is selected. The repository has 1 branch and 0 tags.

The commit history is as follows:

Author	Message	Date
ajmaradiaga	Removing Google Search console file	1 hour ago
	Including .github folder	2 months ago
	Initial commit	2 months ago
	Initial commit	2 months ago
	Flow with Cloud Connector configuration	5 days ago
	Including details on the additional iflow via CC	5 days ago
	Updating theme	16 days ago
	Initial commit	2 months ago
	Updating link to exercise titles	5 days ago
	Switching title and description	16 days ago
	Updating link to exercise titles	5 days ago
	Highlighting usage of Docker	5 days ago
	Including HTTP 404 and 405 errors	6 days ago

About section:

This repo contains the exercise instructions for the CodeJam based on SAP Integration Suite.

Tags: sample, codejam, sap-integration-suite

Files: Readme, Apache-2.0 license, Code of conduct

Statistics: 2 stars, 8 watching, 1 fork

Contributors: 2

ajmaradiaga Antonio Maradiaga
btbernard Brian Bernard

<https://github.com/SAP-samples/connecting-systems-services-integration-suite-codejam>

SAP CodeJam - Exercises

- Exercise 01 - Getting familiar with the SAP Business Accelerator Hub (20')
- Exercise 02 - Exploring the mock services (20')
- Exercise 03 - Build our first integration flow (30')
- Exercise 04 - Send messages and monitor our integration flow (20')
 - Exercise 04.1 - Retrieve Business Partner dependant's information (45')
 - Exercise 04.2 - Add the America's instance of the Business Partner Dependents service (30')
- Exercise 05 - Log service call in Slack (20')
- Exercise 06 - Expose integration flow via API Management (30')
- (Optional) Exercise 01 - Running locally services used in CodeJam

Exercise 01 - Getting familiar with the SAP Business Accelerator Hub (20')

The screenshot shows the SAP Business Accelerator Hub interface with the following highlights:

- APIs tab selected (highlighted by a red box and circled 1).
- All packages selected (highlighted by a red box and circled 2).
- Search bar containing "Business Partner" (highlighted by a red box and circled 3).
- Result item "Business Partner (A2X)" highlighted by a red box and circled 4.

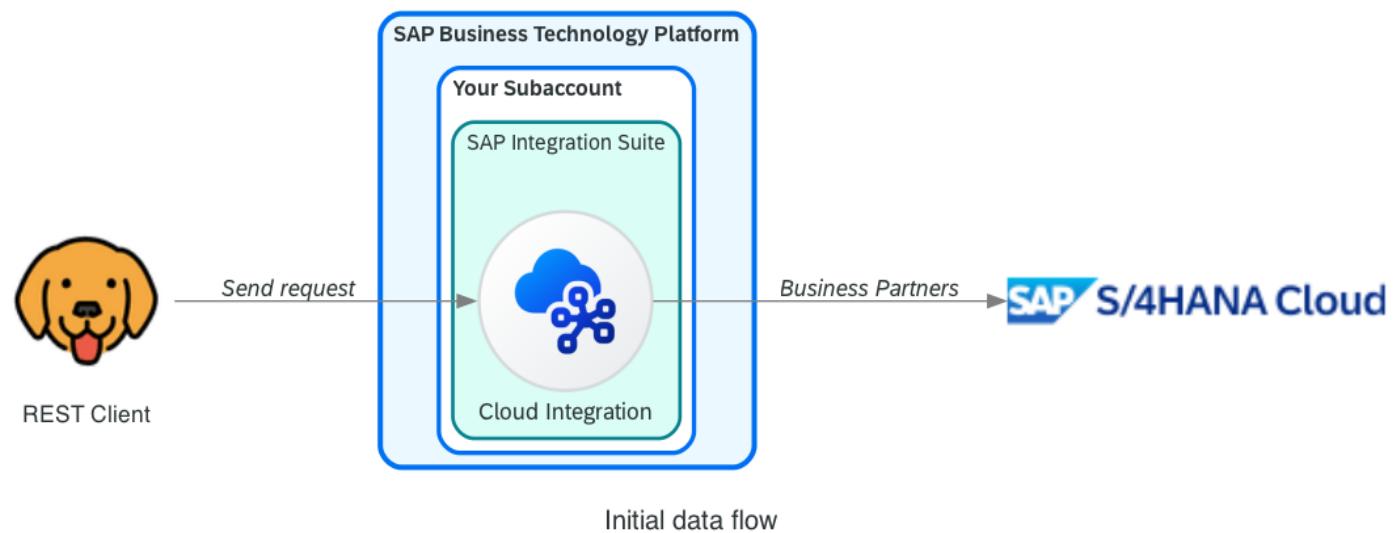
Key UI elements visible include:

- SAP Business Accelerator Hub logo and navigation tabs: Integrations, SAP Build, Analytics, Transformation, Explore, and user icons.
- Main banner: SAP S/4HANA Cloud Public Edition, ready-to-run cloud ERP.
- Header menu: Overview, APIs, Events, Integrations, On Stack Extensibility, Process Blueprints, Build, VPUC, Analytics, Transformation.
- Sub-menu for Packages: All, SOAP, ODATA V2, ODATA V4, REST.
- Page controls: Showing 1-12 of 156 results, Page 1 of 13, Next >, Sort by: Updated.
- Result cards:
 - Business Partners: REST API, Manage business partners, including customers and contacts. Version 3, ACTIVE.
 - Business Partner (A2X): ODATA V2 API, Create, read, update or delete the master data for business partner, supplier or customer using this synchronous inbound service. Version 1.5.0, ACTIVE.
 - Screening Hits: REST API, Work with screening hits and obtain business partner data. Version 1.9.1, ACTIVE.
 - Contract Accounting Business Partner Invoice – Read: ODATA V4 API, Retrieve a list of Contract Accounting (FI-CA) invoices from your SAP S/4HANA Cloud system using this synchronous inbound service. Version 2.0.1, ACTIVE.

Exercise 02 - Exploring the mock services (20')

The screenshot shows the Postman application interface. At the top, there's a navigation bar with 'Explore' and a search bar. Below it, a header bar shows 'Overview' and 'GET All Business Partners'. The main area displays a GET request to `{{host}}/sap/opu/odata/sap/API_BUSINESS_PARTNER/A_BusinessPartner`. The 'Params' tab is selected, showing a single query parameter 'Key'. On the right side, there's a sidebar with various icons for saving, sharing, and testing. At the bottom, a message says 'Click Send to get a response' with a small illustration of an astronaut.

Exercise 03 - Build our first integration flow (30')



Exercise 04 - Send message and monitor our integration flow (20')

The screenshot shows the SAP Cloud Integration Studio interface. The top navigation bar includes 'Bruno', 'Developer Mode', and a 'Cloud Integration...' button, which is highlighted with a red box. The main workspace displays a 'Collections' view on the left with sections like 'khoros', 'event-hub', and 'connecting-services-integration-suite-codejam'. Under 'connecting-services-integration-suite-codejam', there are sub-sections 's4-bp-mock-server', 'api-management', 'bp-dependants-mock-service', 'cloud-integration', and a 'POST Token' section. The central area shows a POST request to `{{host}}/http/request-employee-dependants`. The 'Body' tab is selected, showing a JSON payload:

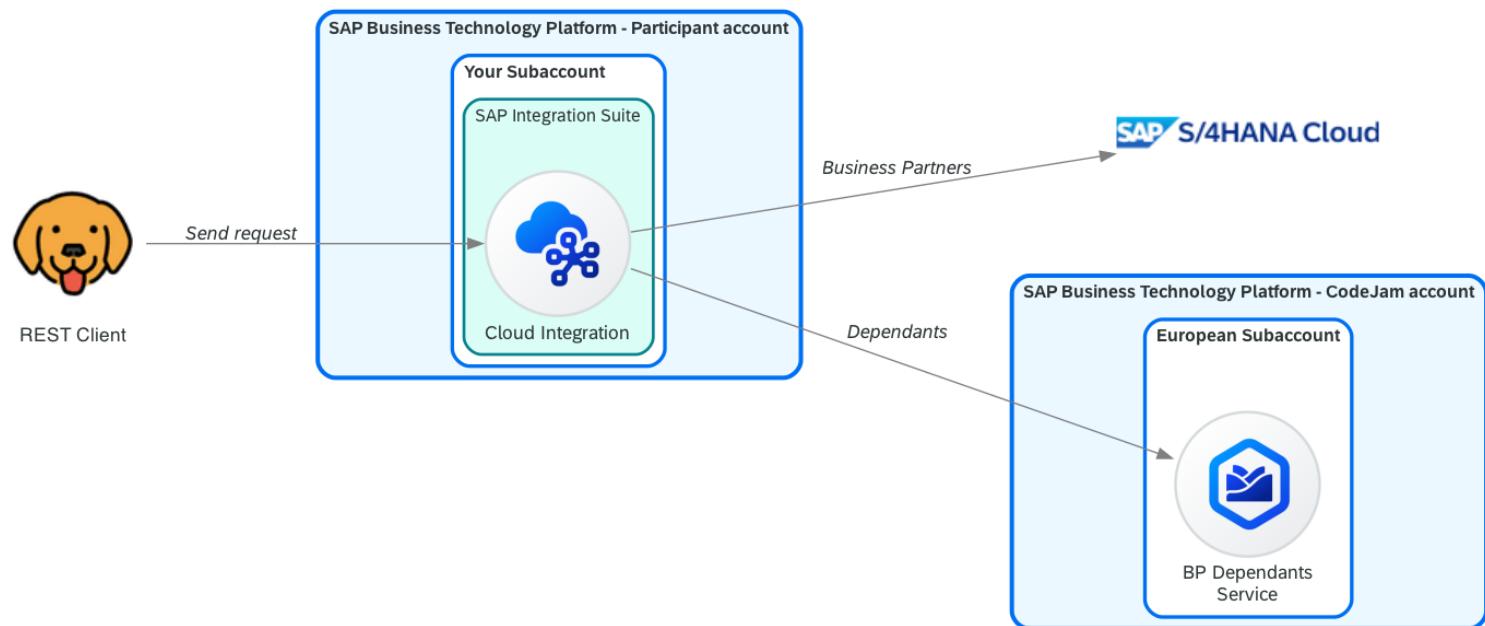
```
1 {  
2   "employee_id": "1003764"  
3 }
```

The 'Response' tab shows the API response details: `200 OK`, `2.64s`, and `5.64KB`. The response body is displayed as:

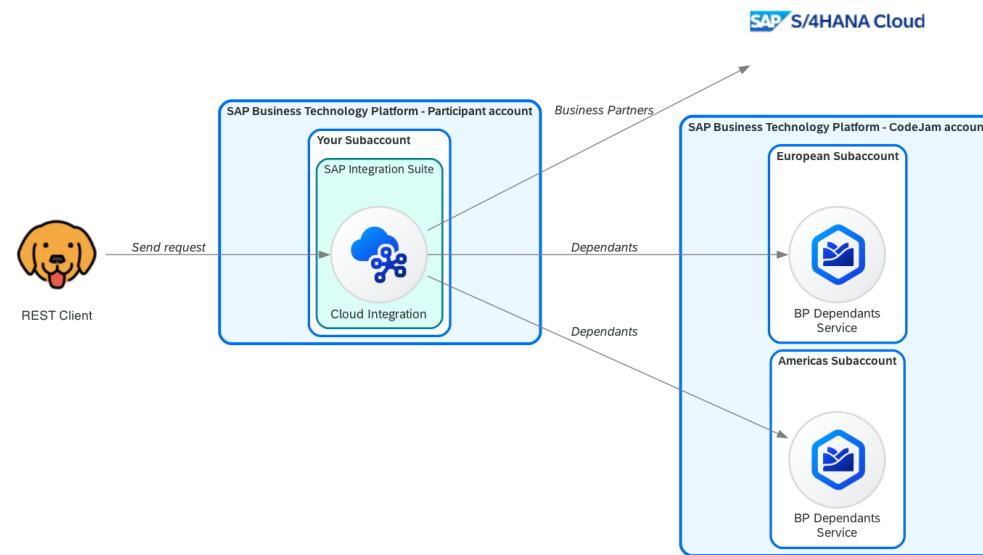
```
1 {  
2   "d": {  
3     "__metadata": {  
4       "id": "http://s4hana-mock.cfapps.eu10.hana.ondemand.com/sap/opu/odata/SAP/API_BUSINESS_PARTNER/A_BusinessPartner('1003764')",  
5       "uri": "http://s4hana-mock.cfapps.eu10.hana.ondemand.com/sap/opu/odata/SAP/API_BUSINESS_PARTNER/A_BusinessPartner('1003764')",  
6       "type": "API_BUSINESS_PARTNER.A_BusinessPartnerType"  
7     },  
8     "BusinessPartner": "1003764",  
9     "Customer": "",  
10    "Supplier": "",  
11    "AcademicTitle": "",  
12    "AuthorizationGroup": "",  
13    "BusinessPartnerCategory": "1",  
14    "BusinessPartnerFullName": "John Doe",  
15    "BusinessPartnerGrouping": "BP02",  
16    "BusinessPartnerName": "John Doe",  
17    "BusinessPartnerUUID": "00163e30-4e2a-1ed8-8483-a08c52249f04",  
18    "CorrespondenceLanguage": ""  
}
```

A red box highlights the 'Cloud Integration...' button in the top right and the 'Response' tab in the center.

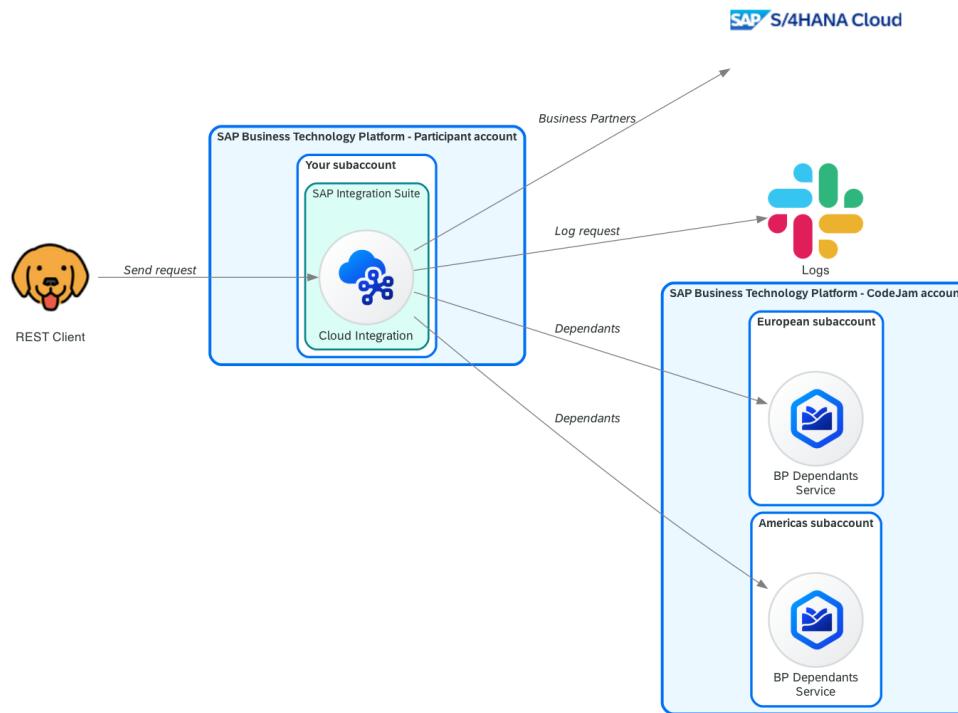
Exercise 04.1 - Retrieve Business Partner dependant's information (45')



Exercise 04.2 - Add the America's instance of the Business Partner Dependents service (30')



Exercise 05 - Log service call in Slack (20')



Exercise 06 - Expose integration flow via API Management (30')

The screenshot shows the SAP Integration Suite interface. On the left, the navigation sidebar is open, with the 'APIs' item selected (marked with a red circle 1). The main area is titled 'Configure' with the sub-section 'Create and configure API proxies, API providers, certificates, key-value maps, and policy templates.' Below this, there are tabs for 'API Proxies (0)', 'API Providers (0)', 'Certificates (0)', 'Key Value Maps (0)', and 'Policy Templates (0)'. The 'API Proxies' tab is active. A modal dialog box is displayed in the center, titled 'Import From File'. The dialog contains the following fields:

- File Name: (with a 'Browse...' button)
- Supported file types: .json and .zip
- Manage this API
- List as Externally Managed API
- Host Alias:
- Create a Version: YES (marked with red circle 4)
- Name: *
- Version: * (with a note: 'Provide a unique API version')
- Basepath : *

At the bottom right of the dialog are 'OK' and 'Cancel' buttons, with the 'OK' button marked with red circle 5.

**Thanks for
attending!!!**

