



The Developer Advocates present

# SAP CodeJam 2025

> **SAP Integration Suite** Connecting  
systems and services

 Dubai, UAE   
Mar 25, 2025


**SAP** TechEd

The Developer Advocates present

# SAP CodeJam 2025

> **SAP Integration Suite** Connecting  
— systems and services



Dubai, UAE   
Mar 25, 2025



**Welcome!**

*WiFi:*

TradeFinex-XDC-  
Guest

*Password:*

ilikexdcnetwork

# 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

Personal Insights



Thomas Jung   

May 20, 2022 | 7 minute read

## Star Wars App – No-Code Challenge

1 comment 16 likes 1,961 views

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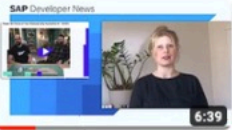
This blog post describes my participation in the [No-Code Challenge](#). If you aren't familiar with the challenge, please check out the blog post by [Daniel Wroblewski](#) for the full details. But in short, it's an opportunity to get to know [SAP AppGyver](#) a little better and share what you were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


### SAP Developer News


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




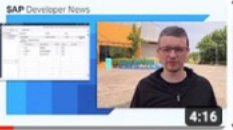
**SAP Developer News**  
SAP Developers   
942 views • 5 days ago  
CC





**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**  
SAP Developers   
1.1K views • 2 weeks ago  
CC




**SAP TechEd Day 1 | SAP Developers News**  
SAP Developers   
1.9K views • 2 weeks ago  
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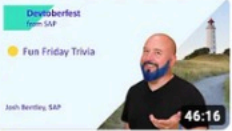
**SAP TechEd Dev Keynote, ABAP Console Update &...**  
SAP Developers   
1.3K views • 3 weeks ago  
CC


### Devtoberfest


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.





**Mastering the SAPUI5 Ecosystem for Modern and Advanced OpenUI5/SAPUI5 Development**  
SAP Developers   
2.3K views • 1 month ago





**Fun Friday Trivia - Session 2 of 2**  
SAP Developers   
311 views • Streamed 1 month ago




**SAP Integration Suite - Hybrid Integration**  
SAP Developers   
1.2K views • 1 month ago




**Using the SAP Approuter at dev time - a full-stack...**  
SAP Developers   
1.6K views • 1 month ago



**Business Events with ABAP Cloud based...**  
SAP Developers   
398 views • 1 month ago

### SAP Developer Shows



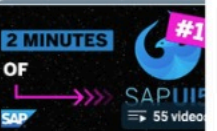
**Hands-on SAP Dev**  
Public · Playlist   
View full playlist



**SAP Tech Bytes**  
Public · Playlist   
View full playlist



**SAP Developer News**  
Public · Podcast   
Updated 5 days ago



**2 Minutes of...**  
Public · Playlist   
Updated 3 days ago

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



# SAP Developer Advocates

## Devtoberfest from SAP



Today		
Sun	Mon	Tue
17	18	19
<ul style="list-style-type: none"><li>Overview of ABAP Cloud</li><li>Making SAP Extensibilit...</li><li>ABAP Cloud for Classic ...</li><li>Capire: Introduction, En...</li></ul>	<ul style="list-style-type: none"><li>Start Your Journey with...</li><li>From Idea to Reality: S...</li><li>Custom UI &amp; Theming ...</li></ul>	
24	25	26
<ul style="list-style-type: none"><li>SAP CAP in Flight: BTP ...</li><li>How to Clean your ABA...</li><li>SaaS Enablement for C...</li><li>What's New in the ABA...</li><li>Introduction to Embed...</li></ul>	<ul style="list-style-type: none"><li>Start Automating Your...</li><li>What's New in SAP Bu...</li><li>Add Event-Based Trigg...</li><li>Introducing Enterprise...</li><li>The Build Store: Let Pre...</li></ul>	
Today		
Sun	Mon	Tue
1	2	3
<ul style="list-style-type: none"><li>Business Events with A...</li><li>Consume SAP S/4HAN...</li><li>Hello, ABAP Cloud!</li><li>SAP Cloud Application ...</li></ul>	<ul style="list-style-type: none"><li>Collaborate to Build S...</li><li>Custom mashups in SA...</li><li>Empowering SAP Build ...</li><li>More Cool Integrations ...</li></ul>	<ul style="list-style-type: none"><li>Keep your SAP S/4HAN...</li><li>Core XML sta...</li><li>Building a Robust and S...</li><li>SAP Integration Suite ...</li></ul>

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 f...

Physical

📍 SAP, Torre Diagonal Mar, C/ de Josep Pla, 2 13, 08019 Barcelona, Spain

You are attending

27 attending 2 0

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 2



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

The Developer Advocates present

# SAP CodeJam

> **SAP Integration Suite** Connecting  
systems and services

**SAP** TechEd

## Agenda

*09:30* - Introduction

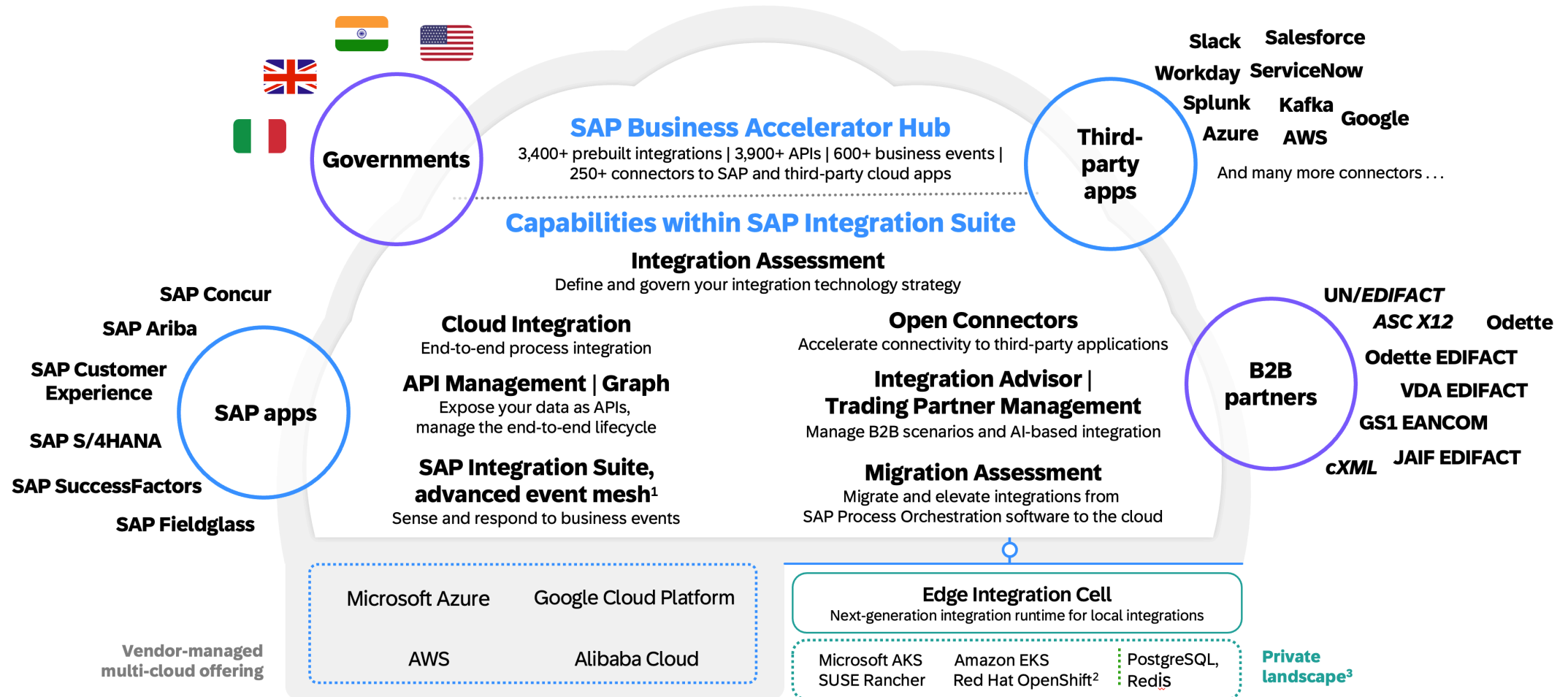
*10:00* - Exercises 01 - 04

*11:30* - Break

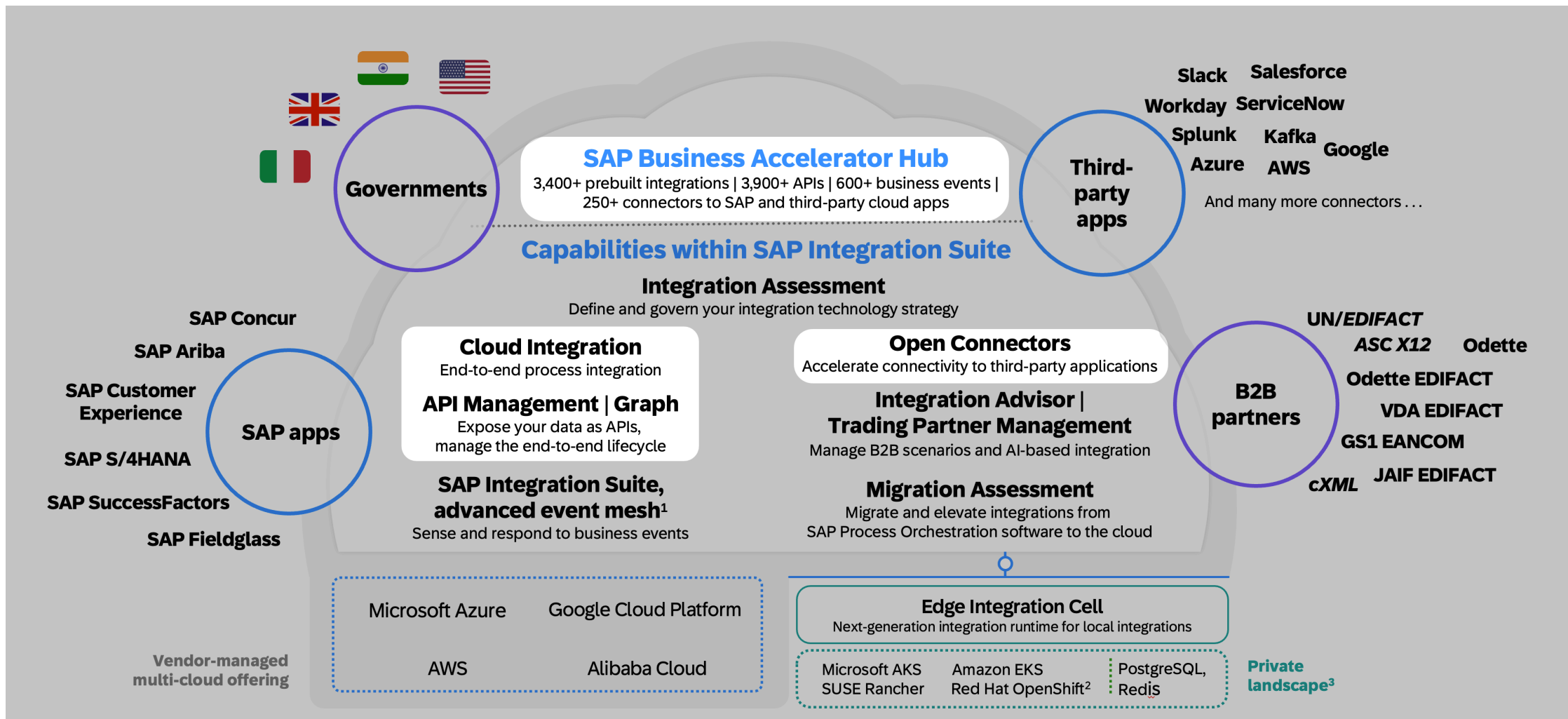
*12:00* - Exercises 05 - 06

*14:00* - Wrap-up

# SAP Integration Suite

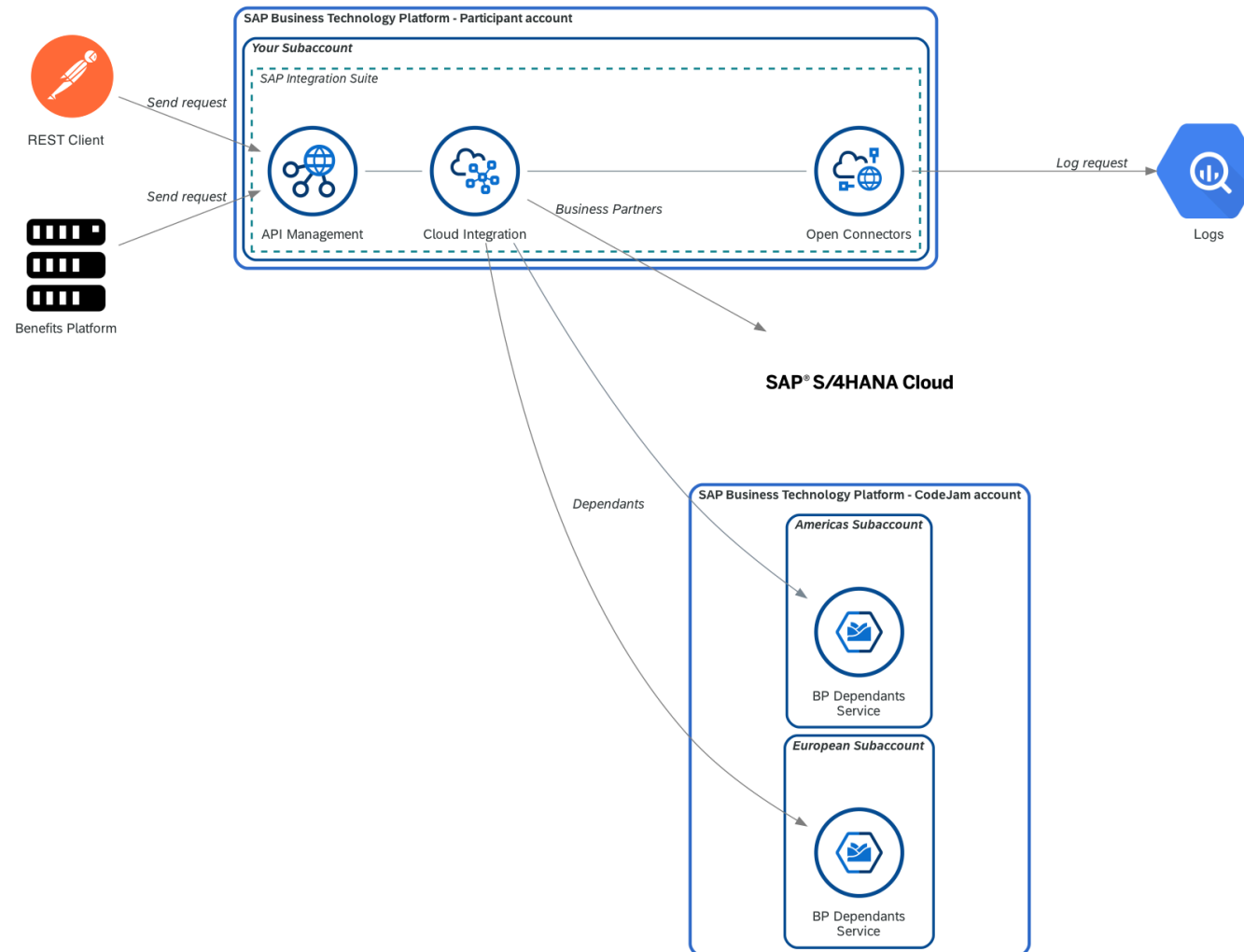


# SAP Integration Suite





# SAP CodeJam - Integration scenario



# SAP CodeJam - Repository

The screenshot shows the GitHub interface for the repository `SAP-samples / connecting-systems-services-integration-suite-codejam`. The repository is public and was generated from `SAP-samples/repository-template`. The main navigation bar includes links for Pull requests, Issues, Marketplace, and Explore. The repository's main branch is `main`, with 1 branch and 0 tags. The repository is managed by `ajmaradiaga`, who removed a Google Search console file 1 hour ago. The repository contains 157 commits. The file list includes:

File	Description	Time
<code>.github</code>	Including .github folder	2 months ago
<code>.reuse</code>	Initial commit	2 months ago
<code>LICENSES</code>	Initial commit	2 months ago
<code>assets</code>	Flow with Cloud Connector configuration	5 days ago
<code>exercises</code>	Including details on the additional iflow via CC	5 days ago
<code>.gitignore</code>	Updating theme	16 days ago
<code>LICENSE</code>	Initial commit	2 months ago
<code>README.md</code>	Updating link to exercise titles	5 days ago
<code>_config.yml</code>	Switching title and description	16 days ago
<code>prerequisites.md</code>	Updating link to exercise titles	5 days ago
<code>running-locally-prerequisites.md</code>	Highlighting usage of Docker	5 days ago
<code>troubleshooting.md</code>	Including HTTP 404 and 405 errors	6 days ago

The repository is described as containing exercise instructions for the CodeJam based on SAP Integration Suite. It includes a `sample` directory, a `codejam` directory, and a `sap-integration-suite` directory. The repository has 2 stars, 8 watchers, and 1 fork. The contributors are `ajmaradiaga` (Antonio Maradiaga) and `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 Dependants service (30')
- Exercise 05 - Log service call in Google BigQuery (Open Connectors) (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 displays the SAP Business Accelerator Hub interface. The top navigation bar includes the SAP logo, 'Business Accelerator Hub', and links for Integrations, SAP Build, Analytics, and Transformation. A blue banner for 'SAP S/4HANA Cloud Public Edition' is visible. Below the banner, a horizontal menu shows 'Overview', 'APIs' (highlighted with a red box and a red circle with the number 1), 'Events', 'Integrations', 'On Stack Extensibility', 'Process Blueprints', 'Build', 'VPUC', 'Analytics', and 'Transformation'. Under the 'APIs' menu, a sub-menu shows 'Packages', 'All' (highlighted with a red box and a red circle with the number 2), 'SOAP', 'ODATA V2', 'ODATA V4', and 'REST'. The main content area shows 'Showing 1-12 of 156 results' and a pagination bar with '< Previous', 'Page 1 of 13', 'Next >', and 'Sort by: Updated'. A search bar (highlighted with a red box and a red circle with the number 3) contains the text 'Business Partner'. Below the search bar, four API cards are displayed. The second card, 'Business Partner (A2X)' (highlighted with a red box and a red circle with the number 4), is selected. It shows a description: 'Create, read, update or delete the master data for business partner, supplier or customer using this synchronous inbound service' and is marked as 'Version 1.5.0' and 'ACTIVE'. The other cards are 'Business Partners' (REST API, Version 3, ACTIVE), 'Screening Hits' (REST API, Version 1.9.1, ACTIVE), and 'Contract Accounting Business Partner Invoice – Read' (ODATA V4 API, Version 2.0.1, ACTIVE).



# Exercise 02 - Exploring the mock services (20')

Explore  [Invite](#) [Settings](#) [Notifications](#) [Help](#) [Upgrade](#)

Overview [GET All Business Partners](#) + ... S4-BP-Mock-Server

connecting-services-integration-suite-cod... / s4-bp-mock-ser... / All Business Partn... [Save](#) [Edit](#) [Share](#)


GET [Send](#)

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

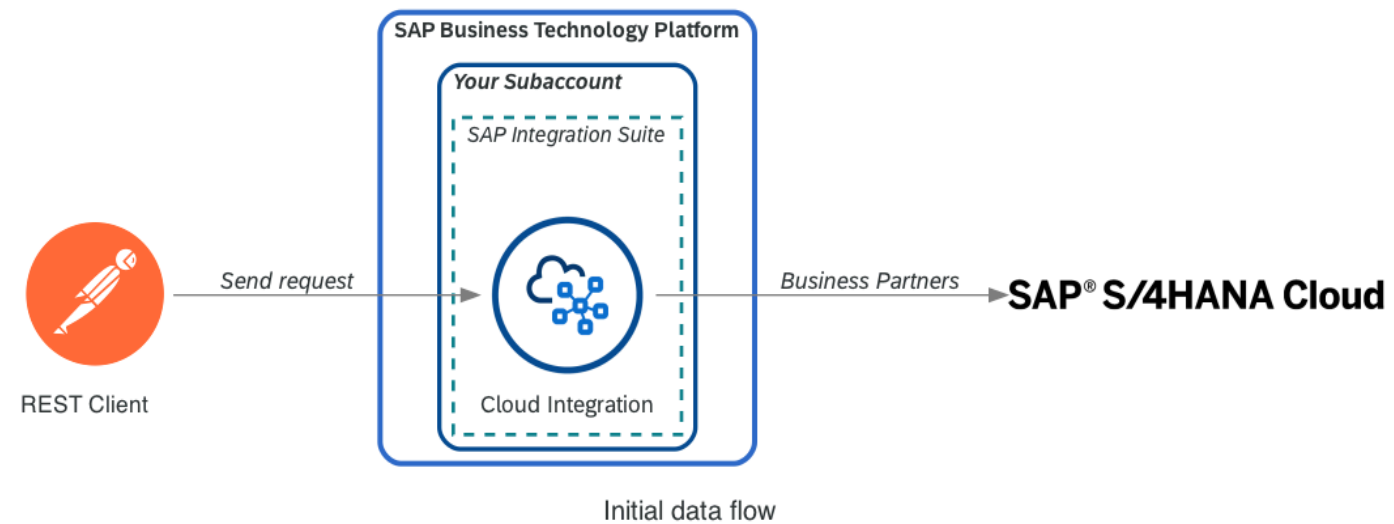
	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

Response



Click Send to get a response

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



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

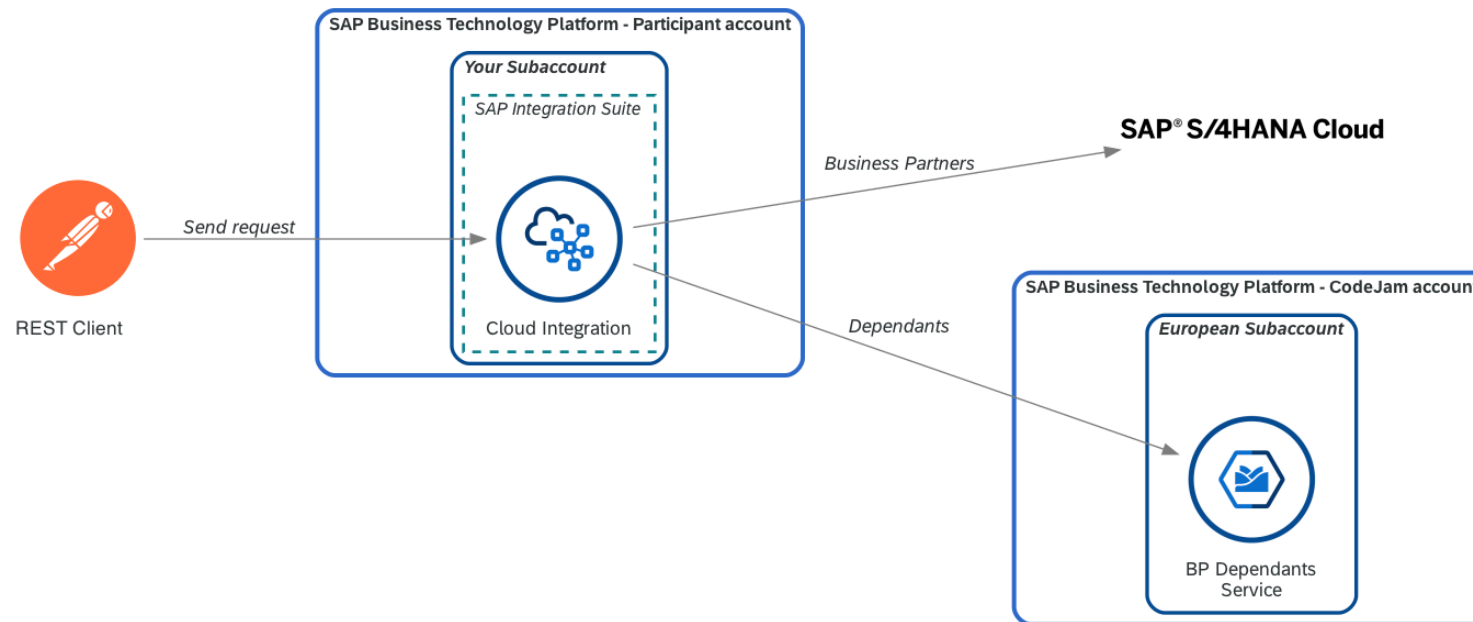
The screenshot displays the CodeJam application interface. On the left sidebar, the 'Mock Servers' section is active, showing a collection of mock services. The 'GET Request Employee Dependents' service is selected. The main workspace shows the configuration for this service, including the URL `{{host}}/http/request-employee-dependants` and the request body in JSON format: `{ "employee_id": "1003764" }`. The 'Send' button is highlighted with a green box. Below the request configuration, the response is displayed in the 'Body' tab, showing a successful 200 OK status with a response time of 1054 ms and a size of 6.63 KB. The response body is a JSON object containing metadata and a business partner type.

**CodeJam Interface Details:**

- Left Sidebar:** Collections, APIs, Environments, Mock Servers (selected), Monitors, Flows, History.
- Mock Servers List:**
  - connecting-services-integration-suite-codejam
    - bp-dependants-mock-service
    - s4-bp-mock-server
    - cloud-integration
      - POST Playground Request
      - POST Token
      - GET Request Employee Dependents (selected)
  - 200 OK - Successful response
  - 500 Error - No body in request
  - Wrong host - HTML page response
- Main Workspace:**
  - GET Request Employee Dependents** (selected)
  - URL:** `{{host}}/http/request-employee-dependants`
  - Params:** None
  - Auth:** None
  - Headers:** 10
  - Body:** `{ "employee_id": "1003764" }`
  - Pre-req:** None
  - Tests:** None
  - Settings:** None
  - Send** button (highlighted)
- Response:**
  - Status:** 200 OK
  - Time:** 1054 ms
  - Size:** 6.63 KB
  - Save Response** button
  - Body:**

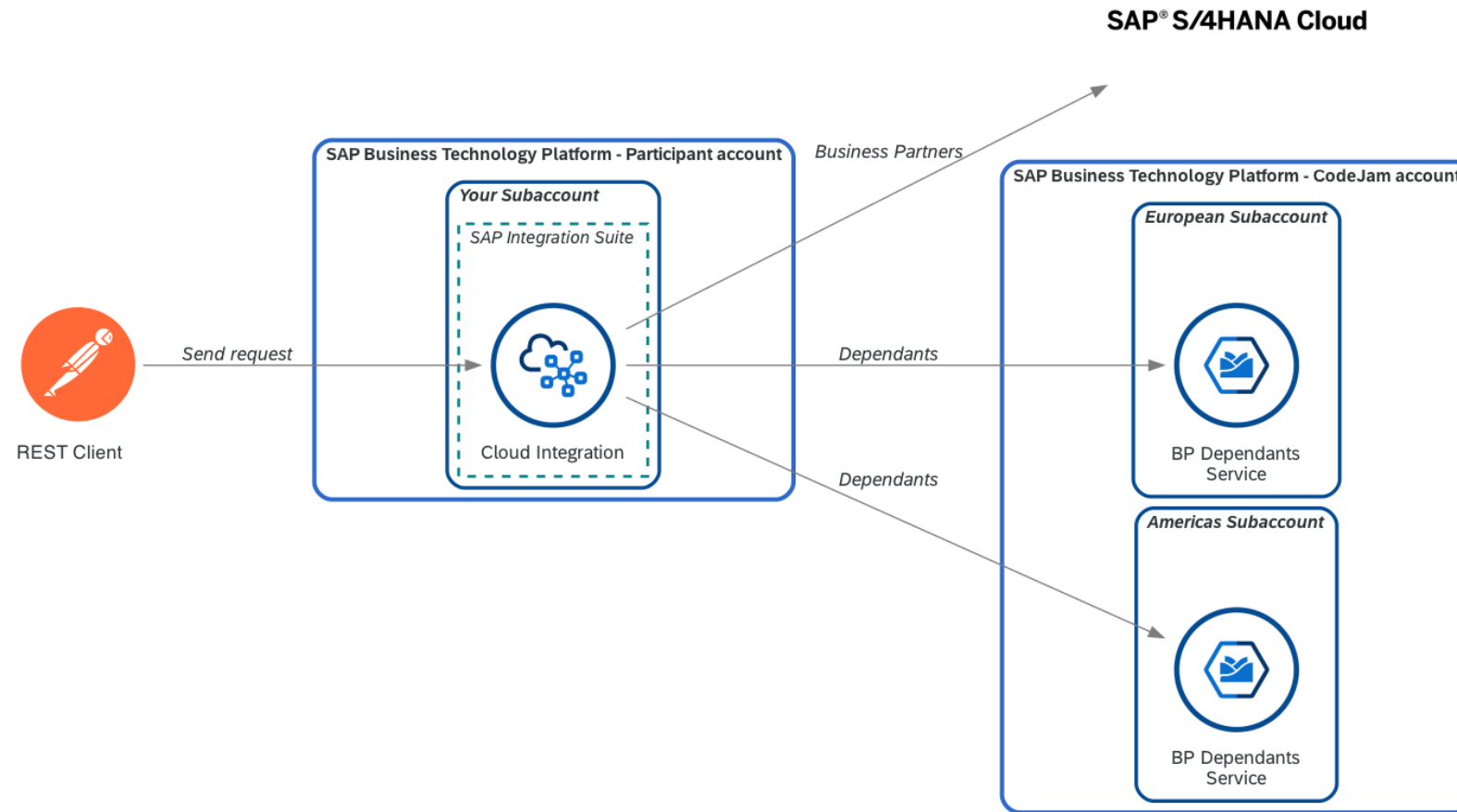
```
1 {
2   "d": {
3     "_metadata": {
4       "id": "http://s4-mock-server-service.default.svc.cluster.local:443/sap/opu/odata/sap/
5       API_BUSINESS_PARTNER/A_BusinessPartner('1003764')",
6       "uri": "http://s4-mock-server-service.default.svc.cluster.local:443/sap/opu/odata/
7       sap/API_BUSINESS_PARTNER/A_BusinessPartner('1003764')",
8       "type": "API_BUSINESS_PARTNER.A_BusinessPartnerType"
9     },
10    "BusinessPartner": "1003764",
11  }
12 }
```

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

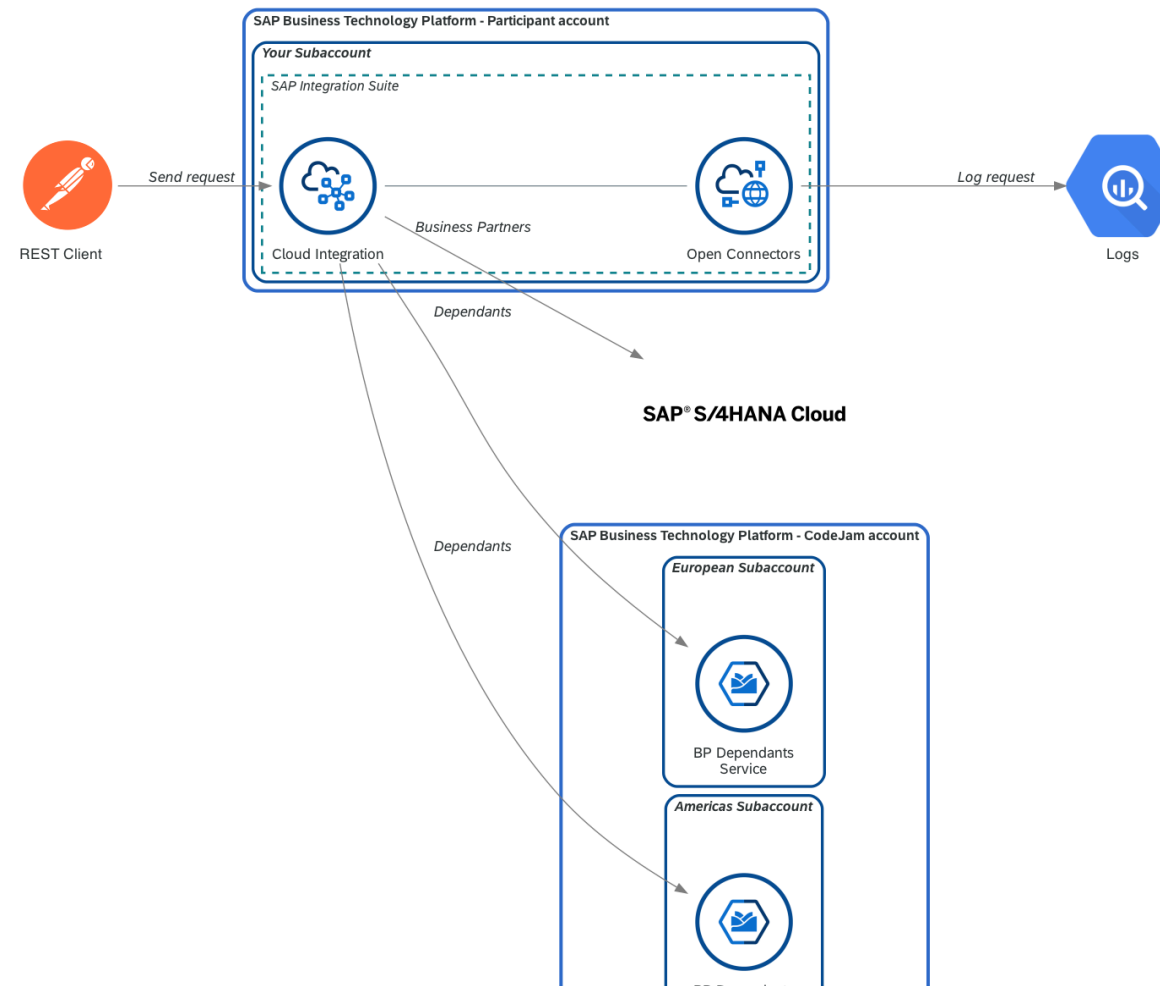




# Exercise 04.2 - Add the America's instance of the Business Partner Dependants service (30')



# Exercise 05 - Log service call in Google BigQuery (20')



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

The screenshot displays the SAP Integration Suite API Management interface. The left sidebar contains navigation options: Home, Discover, Design, Test, Configure, Monitor, Analyze, Engage, Inspect, Monetize, and Settings. The 'Configure' section is active, showing a list of API Proxies (0), API Providers (0), Certificates (0), Key Value Maps (0), and Policy Templates (0). The 'APIs' tab is selected, and the 'Import API' button is highlighted with a red box and a red circle labeled '3'. A modal dialog titled 'Import From File' is open, showing the following fields and options:

- File Name: integration-flow-openapi-spec-1.0.0.json (with a 'Browse...' button)
- Supported file types: .json and .zip
- Radio buttons: ☒ Manage this API, ☐ List as Externally Managed API
- Host Alias: f2e1b713trial-trial.integrationsuitetrial-apim.ap21.h... (dropdown menu)
- Create a Version: ☒ YES (with a red circle labeled '4')
- Name: \* Request\_Employee\_Dependants\_v1
- Version: \* v1 (with a note: 'Provide a unique API version')
- Basepath: \* /v1/
- Buttons: OK, Cancel (with a red circle labeled '5' over the OK button)

**Thanks for  
attending!!!**

<https://forms.office.com/e/McnEHPPJFk>

