

Exercise 10A – Creating a trail user in SAP Cloud platform ABAP Environment.

SAP Partner Workshop



30 min

Description

In this exercise, you'll learn how:

- How to create a trial user for usage of ABAP Env in SAP Cloud Platform

Prerequisites

- You have created a **trial account on SAP Cloud Platform**: [Get a Free Trial Account on SAP Cloud Platform](#).
- You have a **subaccount and dev space with Europe (Frankfurt) as region**.

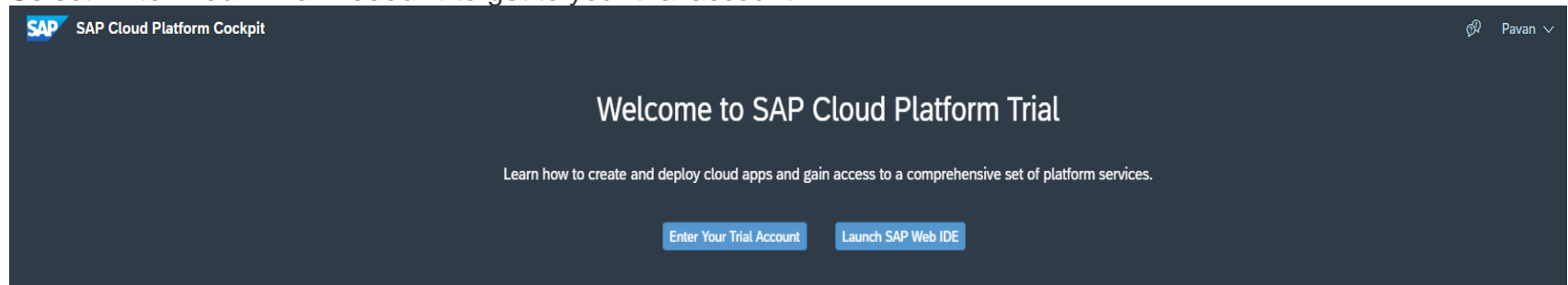
Target group

- Developers
 - People interested in learning about development in ABAP env in SAP Cloud Platform with focus on
- RAP model.
















Goal

The goal of this exercise is to set up the trail user for usage of ABAP Env in SAP Cloud Platform.

1. Select **Enter Your Trial Account** to get to your trial account.



Starter Scenarios

 Build a Micro App for SAP Mobile Cards Digital Experience	 Develop a Fiori App Using ABAP Enterprise Extensions	 Automate and Extend Employee Onboarding Intelligent BPM
Build a wallet-style micro app for SAP Mobile Cards, which shows employee to-dos as well as an overview of their working hours	Develop a simple travel booking Fiori app using the ABAP RESTful programming model	Build and deploy an extension to the employee onboarding scenario from SAP SuccessFactors using Workflow, Business Rules and Process Visibility
 Beginner  30m Open Scenario	 Beginner  1h 5m Open Scenario	 Beginner  1h Open Scenario
 Build Your First Portal Site Digital Experience	 Get Started with Cloud Integration Integration Suite	
Create and design an attractive Portal site by adding pages, linking to apps and adding an SAP Fiori app to a launchpad page in the site	Set up your own SAP Cloud Platform Integration tenant and deploy an integration scenario where you can request product details from an online webshop.	
 Beginner  2h Open Scenario	 Beginner  40m Open Scenario	

For more SAP Cloud Platform tutorials, check out the [Tutorial Navigator](#).

2. You can see your trial subaccount with Europe (Frankfurt) as region.

Click **trial** to get to your trial subaccount.

The screenshot shows the SAP Cloud Platform Cockpit interface. The top navigation bar includes the SAP logo, the text "SAP Cloud Platform Cockpit", and a user profile "Pavan" with a dropdown arrow. The left sidebar contains a menu with the following items: "Subaccounts" (selected), "Details", "Resource Providers", "Recipes", "Entitlements" (with a dropdown arrow), "Subaccount Assignments", and "Service Assignments". The main content area has a breadcrumb trail: "Home [Europe (Rot) - Cloud Foundry - Trial] / I032875trial". Below the breadcrumb, it says "Global Account: I032875trial - Subaccounts" and "All: 1". There is a blue button labeled "New Subaccount". To the right of the button are three filter dropdowns: "All Roles", "All Environments", and "All Regions", followed by a search bar labeled "Search Subaccounts". A card for the subaccount "trial" is displayed, showing the following details: "Environment: Cloud Foundry", "Provider: Amazon Web Services (AWS)", "Region: Europe (Frankfurt)" (with a blue flag icon), and "Description: -none-". Below the card are edit and info icons. At the bottom of the main content area, there is a link: "Learn how [global accounts and subaccounts relate to each other](#) and find [recommendations for setting up your account model](#)."

- As we use Cloud Foundry every app and service is scoped to a space. Therefore, choose in your trial subaccount your space **dev** to navigate to it.

SAP Cloud Platform Cockpit

Home [Europe (Rot) - Cloud Foundry - Trial] / i032875trial / trial

Subaccount: trial - Overview

[Delete Subaccount](#)

Subaccount Details

Subdomain: i032875trial
ID: 4ab32fd3-7624-4209-b674-a86c860ed358

Cloud Foundry

Organization: i032875trial_trial
Members: 1
API Endpoint: https://api.cf.eu10.hana.ondemand.com

[Disable Cloud Foundry](#)

Spaces (1)

[Create Space](#)

Name	Applications	Service Instances
dev	0	1

Subscriptions

4. Click **Service Marketplace** to get to the service overview, where you can select ABAP Trial as a service.

The screenshot displays the SAP Cloud Platform Cockpit interface. The top navigation bar includes the SAP logo and the text "SAP Cloud Platform Cockpit". On the right side of the top bar, there is a notification icon with the number "27", a user profile icon, and the name "Pavan" with a dropdown arrow. The left sidebar contains a list of navigation items: "Applications", "Services", "Service Marketplace" (highlighted with a green border), "Service Instances", "User-Provided Services", "Portal", "Routes", "Security Groups", "Events", and "Members". The main content area shows the breadcrumb "Home [Europe (Rot) - Cloud Foundry - Trial] / 1032875trial / trial / dev". Below the breadcrumb, it says "Space: dev - Applications" and "All: 0". There is a blue button labeled "Deploy Application" and a search bar with the placeholder text "Search". A table with the following columns is shown: "Requested State", "Name", "Instances", "Disk Quota", "Memory", and "Actions". The table contains a single row with the text "No applications".

SAP Cloud Platform Cockpit

Home [Europe (Rot) - Cloud Foundry - Trial] / 1032875trial / trial / dev

Space: dev - Applications

All: 0

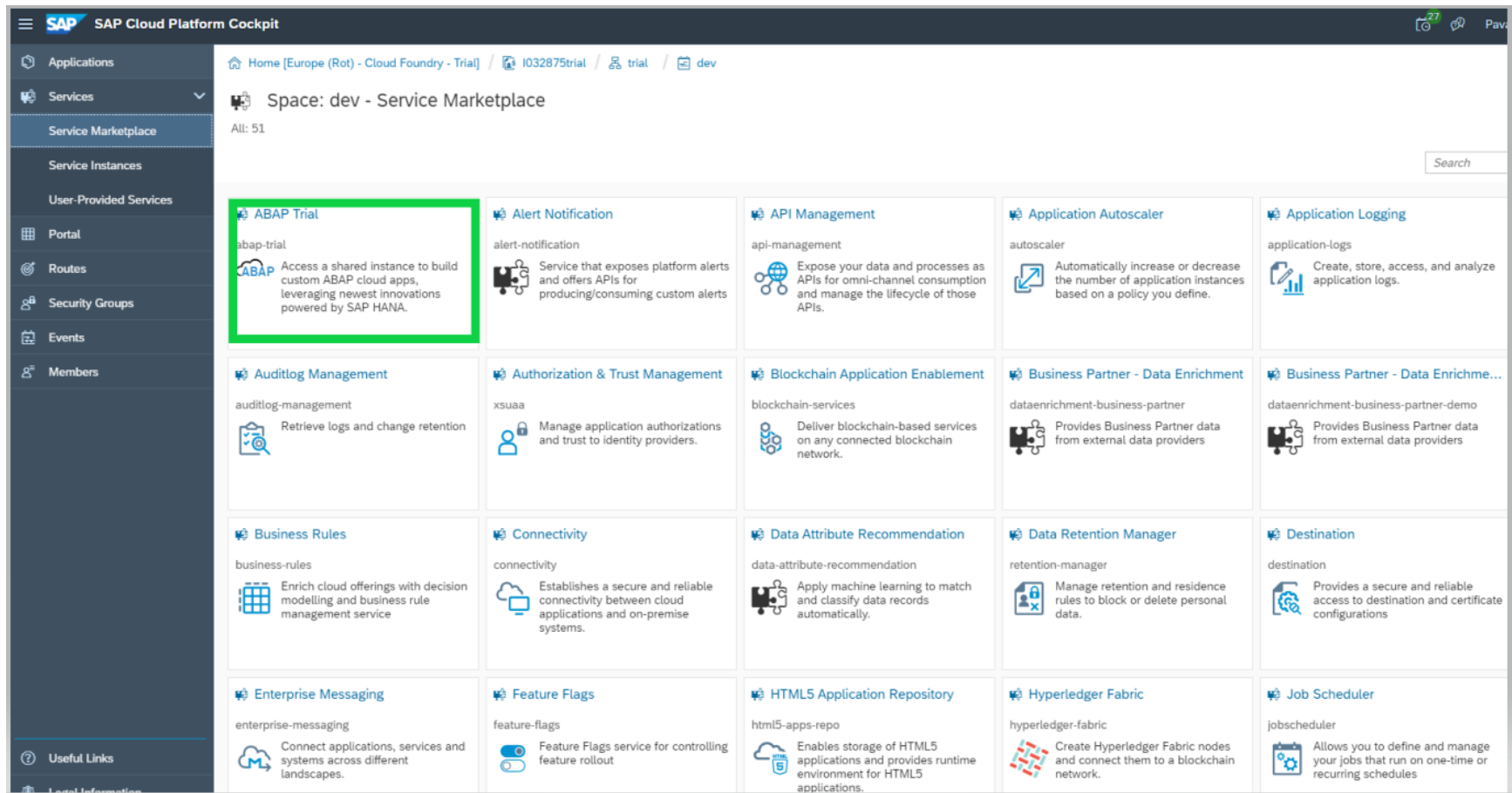
Deploy Application

Search

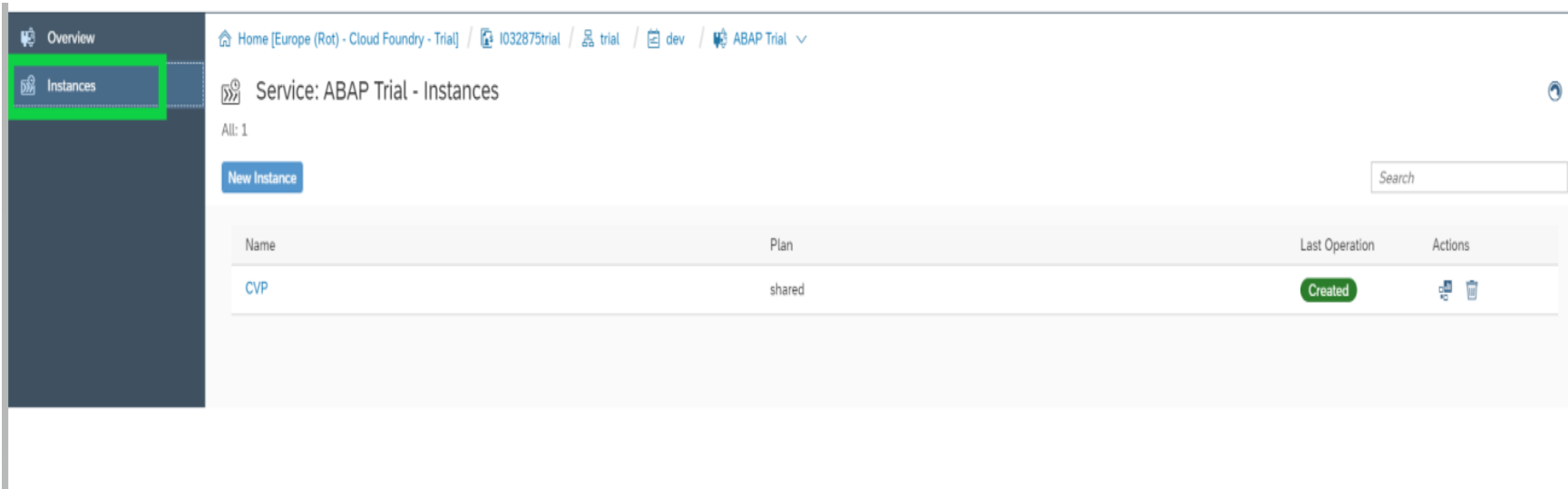
Requested State	Name	Instances	Disk Quota	Memory	Actions
No applications					

5. If you see the ABAP Trial tile, then select it move on with step 3.1 - Create instance to create your instance.



If you don't see the ABAP Trial tile, then move on with step A.1 - Configure SAP Cloud Platform Entitlements to configure your SAP Cloud Platform Entitlements, please follow this document mentioned at the end of the document. **



6. Create a new instance in your SAP Cloud Platform ABAP environment trial, therefore select **Instances**.



The screenshot displays the SAP Cloud Platform ABAP Trial Instances page. The left sidebar contains a navigation menu with 'Overview' and 'Instances'. The 'Instances' menu item is highlighted with a green box. The main content area shows the 'Service: ABAP Trial - Instances' page. The breadcrumb navigation at the top reads: Home [Europe (Rot) - Cloud Foundry - Trial] / I032875trial / trial / dev / ABAP Trial. Below the breadcrumb, the title 'Service: ABAP Trial - Instances' is displayed. A 'New Instance' button is located on the left, and a search bar is on the right. A table lists the instances, with one instance named 'CVP' and a 'Created' status.

Name	Plan	Last Operation	Actions
CVP	shared	Created	 

7. Your service plan is shared, therefore click **Next**.

Create Instance

Choose Service Plan

Specify Parameters (Optional)

Assign Application (Optional)

Confirm

Choose Service Plan

Plan

shared

Features

No data

Previous

Next

Cancel

8. Add your registration e-mail address.

Click **Next**.

PreviousNextCancel

Create Instance

Choose Service Plan

Specify Parameters (Optional)

Assign Application (Optional)

Confirm

Specify Parameters (Optional)

Select a JSON file or specify parameters in the JSON format:

Browse...

```
{  
  "email": "Your email ID"  
}
```

PreviousNextCancel

Create Instance

Choose Service Plan

Specify Parameters (Optional)

Assign Application (Optional)

Confirm

Assign Application (Optional)

Choose an application to bind the new service instance.

Application:

(None)



Previous

Next

Cancel

Create an instance:

- Instance Name: <your_name>

Click **Finish**.

Create Instance

Choose Service Plan


Specify Parameters (Optional)

Assign Application (Optional)

Confirm

Confirm

Service Plan: shared

Instance Parameters: 

Application: (None)


*Instance Name:

Previous


Finish

Cancel


Now your instance appears on the instance overview.

 SAP Cloud Platform Cockpit

27




Pavan ▾




Overview

Instances

Home [Europe (Rot) - Cloud Foundry - Trial] / I032875trial / trial / dev / ABAP Trial ▾



 Service: ABAP Trial - Instances



All: 1

New Instance

Search

Name	Plan	Last Operation	Actions
CVP	shared	Created	 

Create Service Key.

Click on your instance.

SAP

SAP Cloud Platform Cockpit

27

Pavan

Overview

Instances

Home [Europe (Rot) - Cloud Foundry - Trial] / 1032875trial / trial / dev / ABAP Trial

Service: ABAP Trial - Instances

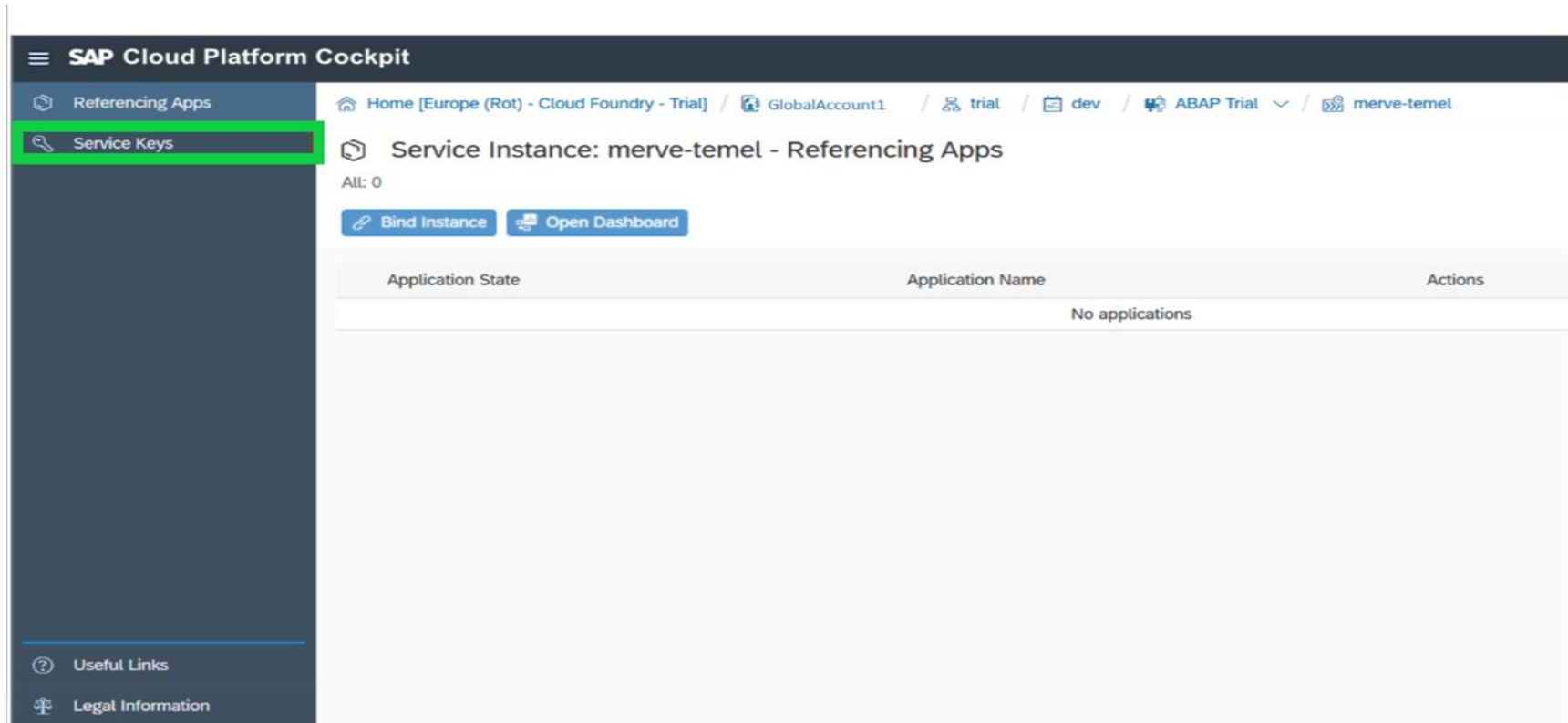
All: 1

New Instance

Search

Name	Plan	Last Operation	Actions
CVP	shared	Created	

Select **Service Keys**. The service key is needed for the connection to the SAP Cloud Platform ABAP environment system



The screenshot displays the SAP Cloud Platform Cockpit interface. The left sidebar contains a menu with the following items: "Referencing Apps" and "Service Keys", where "Service Keys" is highlighted with a green border. At the bottom of the sidebar are "Useful Links" and "Legal Information". The main content area shows the breadcrumb "Home [Europe (Rot) - Cloud Foundry - Trial] / GlobalAccount1 / trial / dev / ABAP Trial / merve-temel". The title is "Service Instance: merve-temel - Referencing Apps" with a sub-header "All: 0". Below the title are two buttons: "Bind Instance" and "Open Dashboard". A table with columns "Application State", "Application Name", and "Actions" is shown, containing the text "No applications".

SAP Cloud Platform Cockpit

Referencing Apps

Service Keys

Useful Links

Legal Information

Home [Europe (Rot) - Cloud Foundry - Trial] / GlobalAccount1 / trial / dev / ABAP Trial / merve-temel

Service Instance: merve-temel - Referencing Apps

All: 0

Bind Instance Open Dashboard

Application State	Application Name	Actions
No applications		

🏠 Service Instance: merve-temel - Referencing Apps

Alt: 0

🔗 Bind Instance

📄 Open Dashboard

Application State	Application Name	Actions
No applications		

Click **Create Service Key** to create your service key.

The screenshot shows the SAP Cloud Platform Cockpit interface. The top navigation bar includes the SAP logo and the text 'SAP Cloud Platform Cockpit'. Below this, a breadcrumb trail shows the path: Home [Europe (Rot) - Cloud Foundry - Trial] / GlobalAccount1 / trial / dev / ABAP Trial. The left sidebar contains a menu with 'Referencing Apps' and 'Service Keys' (which is highlighted). The main content area is titled 'Service Instance: merve-temel - Service Keys' and shows 'All: 0'. A green button labeled 'Create Service Key' is visible. Below the button, a message states 'No service keys'.

Create a service key:

For example:

- Name: ADT

Click **Save**.

Create Service Key

***Name:**

Configuration Parameters (JSON):

Save

Cancel

Now your service key appears. Copy your service key for later use. The service key enables the connection to the SAP Cloud Platform ABAP environment system

The screenshot shows the SAP Cloud Platform Cockpit interface. The top navigation bar includes the SAP logo and the text "SAP Cloud Platform Cockpit". The left sidebar contains a menu with "Referencing Apps" and "Service Keys". The main content area is titled "Service Instance: merve-temel - Service Keys" and shows "All: 1". A button labeled "+ Create Service Key" is visible. Below this, a table with one entry is shown, with the entry labeled "ADT". To the right of the table, a large text area contains the placeholder text "<your_service_key>".

SAP Cloud Platform Cockpit

Home [Europe (Rot) - Cloud Foundry - Trial] / GlobalAccount1 / trial / dev / ABAP Trial / merve-temel

Service Instance: merve-temel - Service Keys

All: 1

+ Create Service Key

Search

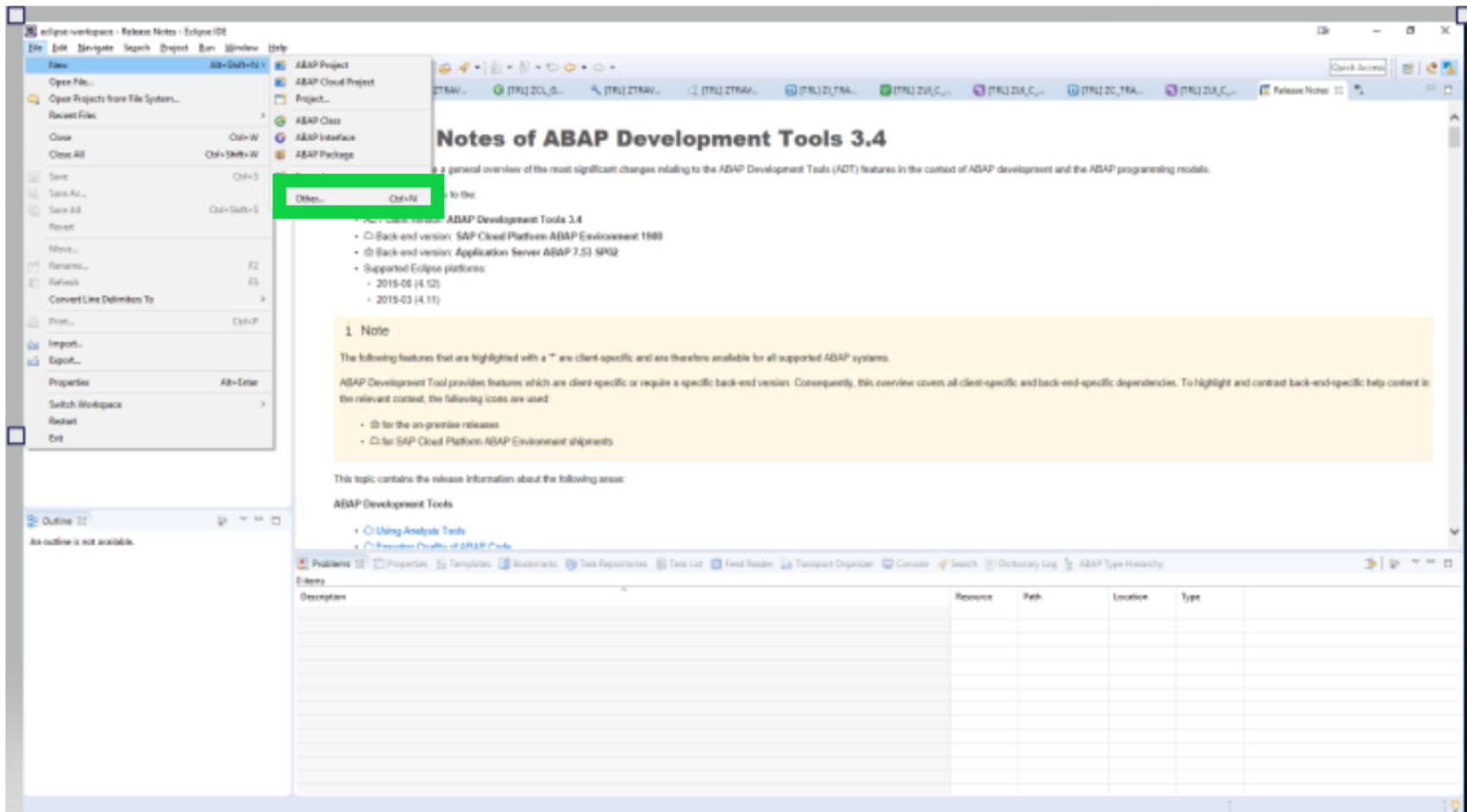
ADT
<your_service_key>

Useful Links

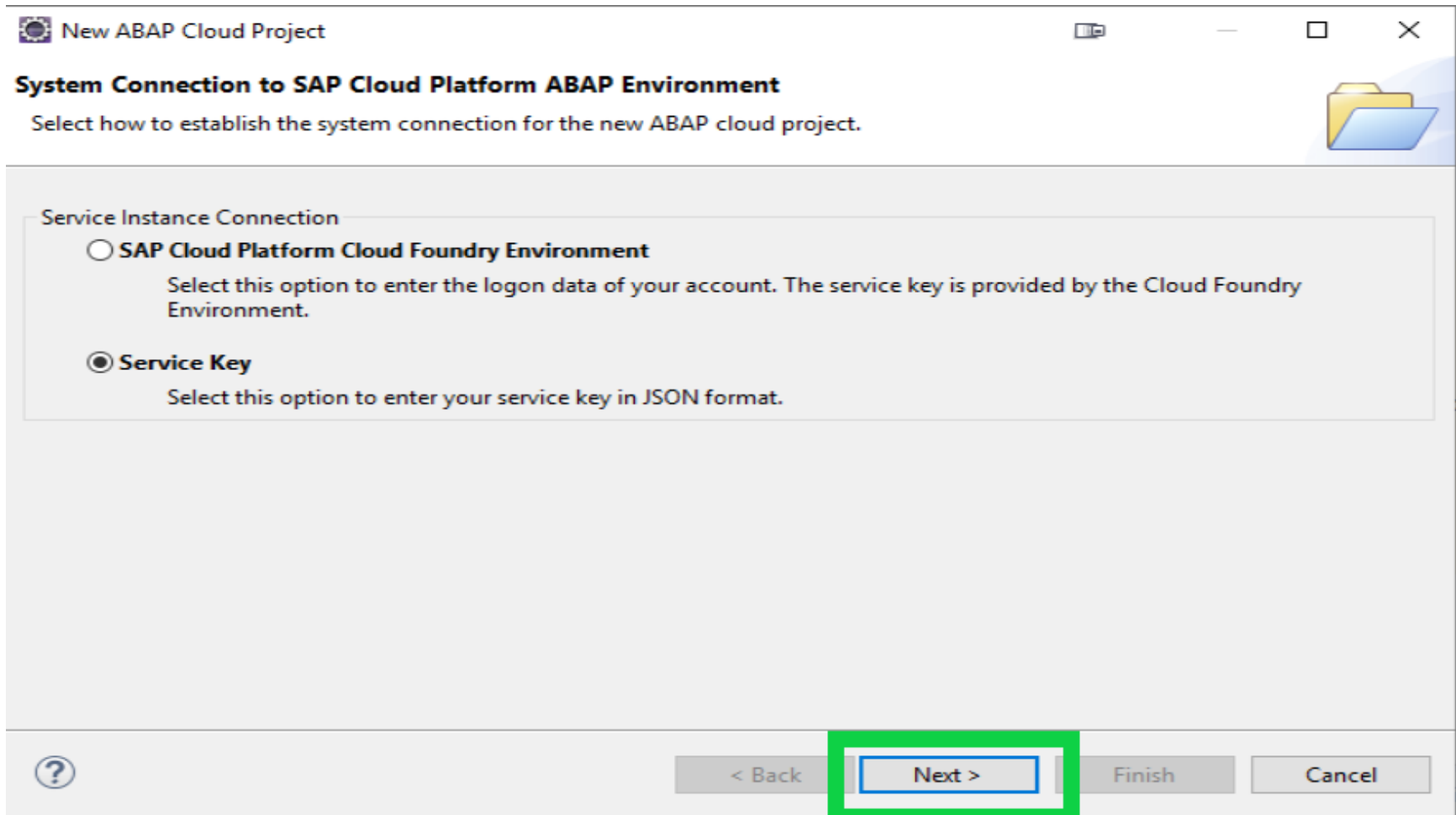
Legal Information

Open Eclipse and create ABAP cloud project

Select **File > New > Other > ABAP Cloud Project** and click **Next >**.



Select **Service Key** and click **Next >**.



New ABAP Cloud Project

System Connection to SAP Cloud Platform ABAP Environment

Select how to establish the system connection for the new ABAP cloud project.

Service Instance Connection

☐ **SAP Cloud Platform Cloud Foundry Environment**
Select this option to enter the logon data of your account. The service key is provided by the Cloud Foundry Environment.

☒ **Service Key**
Select this option to enter your service key in JSON format.

Next >

Paste your service key you've copied earlier from the SAP Cloud Platform Trial Cockpit and click **Next >**.

System Connection Using a Service Key

Add the service key in JSON format



Service Key in JSON Format

<your_service_key>

Import...



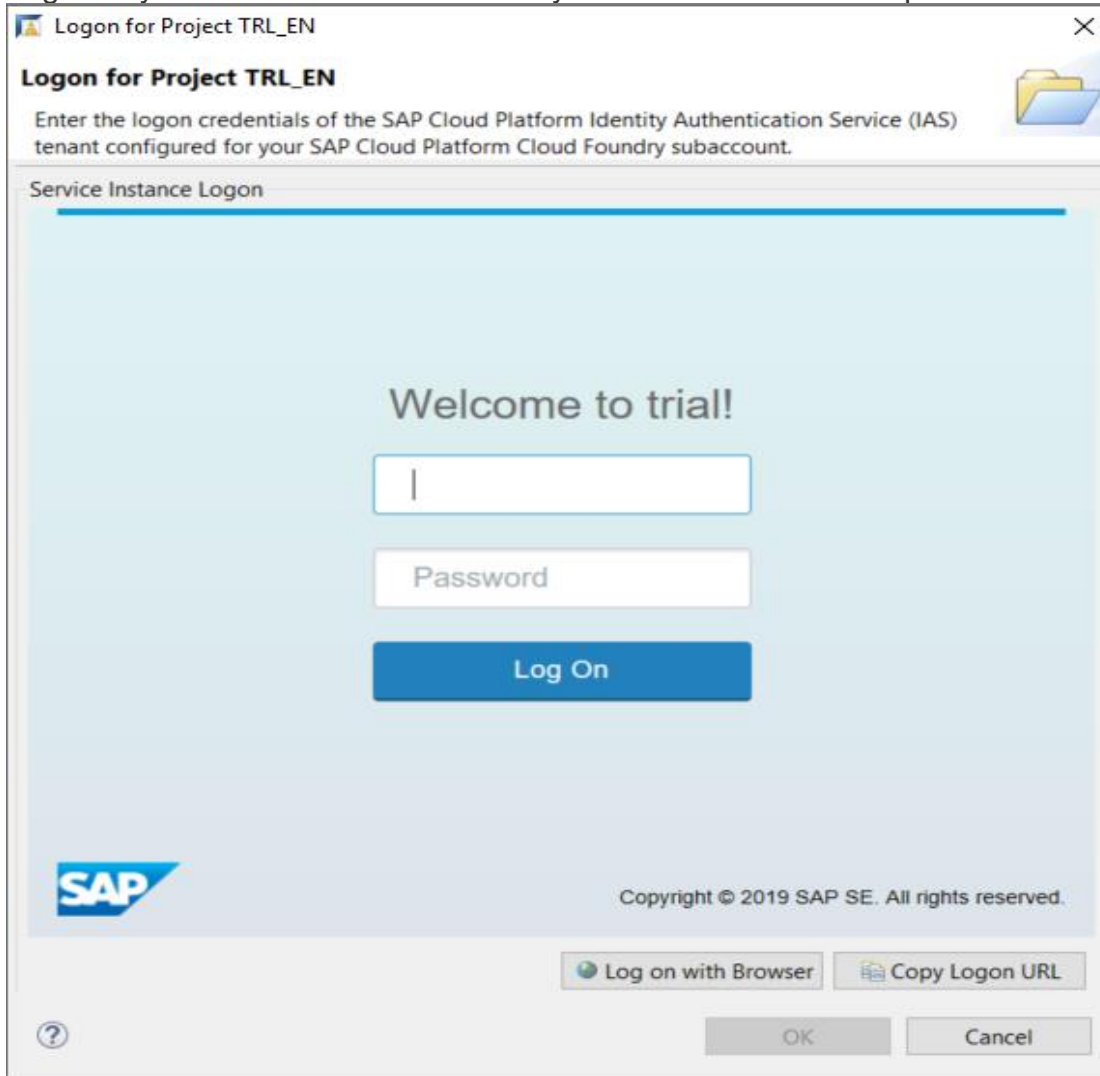
< Back

Next >

Finish

Cancel

Logon to your ABAP trial account with your e-mail address and password.



The image shows a Windows-style dialog box titled "Logon for Project TRL_EN". The main heading is "Logon for Project TRL_EN". Below it, a message states: "Enter the logon credentials of the SAP Cloud Platform Identity Authentication Service (IAS) tenant configured for your SAP Cloud Platform Cloud Foundry subaccount." The dialog has a "Service Instance Logon" section with a blue header bar. The central area is light blue and contains the text "Welcome to trial!". Below this are two input fields: the first is empty with a cursor, and the second is labeled "Password". A blue "Log On" button is positioned below the password field. At the bottom left is the SAP logo. At the bottom right is the copyright notice: "Copyright © 2019 SAP SE. All rights reserved." Below the copyright notice are two buttons: "Log on with Browser" and "Copy Logon URL". At the very bottom are three buttons: a help button (question mark icon), an "OK" button, and a "Cancel" button.

Logon for Project TRL_EN


Logon for Project TRL_EN

Enter the logon credentials of the SAP Cloud Platform Identity Authentication Service (IAS) tenant configured for your SAP Cloud Platform Cloud Foundry subaccount.



Service Instance Logon


Welcome to trial!

Log On



Copyright © 2019 SAP SE. All rights reserved.

 Log on with Browser  Copy Logon URL

 OK Cancel

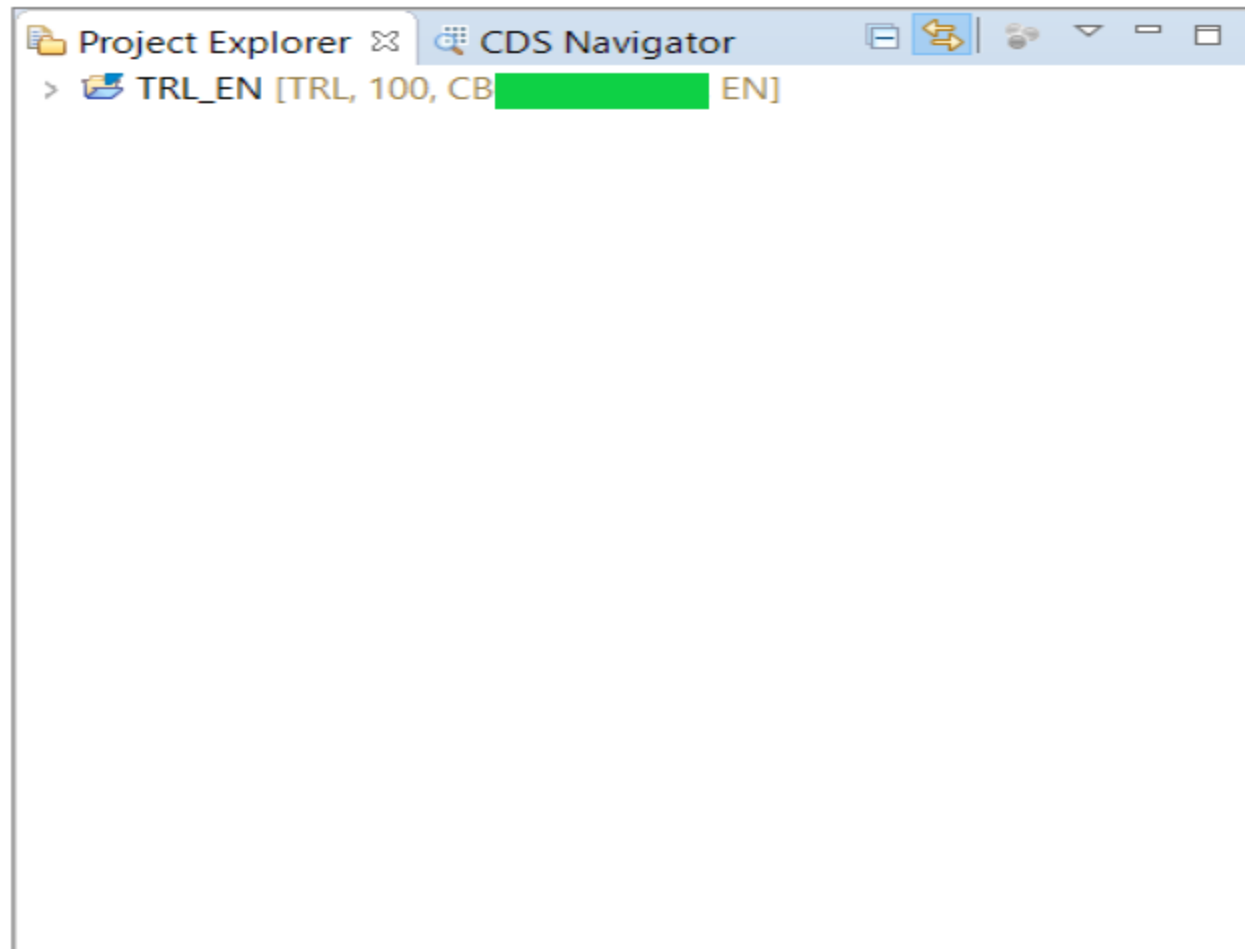
Click Finish.

The screenshot shows a Windows-style dialog box titled "New ABAP Cloud Project". The main heading is "Service Instance Connection", with a subtitle "Settings to be used for connecting to the service instance". A folder icon is visible in the top right corner. The "Connection Settings Overview" section contains the following fields:

Service Instance URL:	https://<your_instance_URL>.abap.eu10.hana.ondemand.com
Email:	<your_email_address>
User ID:	CB [redacted]
SAP System ID:	TRL
Client:	100
Language:	EN

At the bottom, there is a navigation bar with four buttons: a help icon (?), "< Back", "Next >", and "Finish". The "Finish" button is highlighted with a green border.

Your trial system appears on the project explorer.



**** Step A.1 - Configure SAP Cloud Platform Entitlements** to configure your SAP Cloud Platform Entitlements

Configure your entitlements to make your ABAP Trial tile visible. Navigate back to your **trial** subaccount and select **Entitlements**

The screenshot shows the SAP Cloud Platform user interface. On the left is a dark blue sidebar with navigation links: Overview, Spaces, Subscriptions, Connectivity, Security, Quota Plans, Entitlements (highlighted with a green box), and Members. At the bottom of the sidebar are 'Useful Links' and 'Legal Information'. The main content area has a breadcrumb trail: 'Home [Europe (Rot) - Cloud Foundry - Trial] / GlobalAccount1 / trial', where the 'trial' link is highlighted with a red box. Below the breadcrumb, the page title is 'Subaccount: trial - Entitlements'. There is a search bar with the text 'trial' and a 'Configure Entitlements' button. A table with columns 'Service', 'Plan', 'Quota', 'Subaccount Assignment', 'Remaining Global Quota', and 'Actions' is shown, but it is empty. A message states: 'No entitlements have been added yet. Choose 'Configure Entitlements' to add the services and plans that you want to enable for this subaccount.'

Overview
Spaces
Subscriptions
Connectivity
Security
Quota Plans
Entitlements
Members

Home [Europe (Rot) - Cloud Foundry - Trial] / GlobalAccount1 / **trial**

Subaccount: trial - Entitlements

trial [Configure Entitlements](#)

Service	Plan	Quota	Subaccount Assignment	Remaining Global Quota	Actions
No entitlements have been added yet. Choose 'Configure Entitlements' to add the services and plans that you want to enable for this subaccount.					

Useful Links
Legal Information

Click **Configure Entitlements** to add services to your subaccount.

Overview

Spaces

Subscriptions

Connectivity

Security

Quota Plans

Entitlements

Members

Useful Links

Legal Information

Home [Europe (Rot) - Cloud Foundry - Trial] / GlobalAccount1 / trial

Subaccount: trial - Entitlements

trial

Search

Configure Entitlements

Service	Plan	Quota	Subaccount Assignment	Remaining Global Quota	Actions
No entitlements have been added yet.					
Choose 'Configure Entitlements' to add the services and plans that you want to enable for this subaccount.					

Click **Add Service Plans** to add ABAP Trial as a service.

Overview

Spaces

Subscriptions

Connectivity

Security

Quota Plans

Entitlements

Members

Useful Links

Home [Europe (Rot) - Cloud Foundry - Trial] / GlobalAccount1 / trial

Subaccount: trial - Entitlements

trial

Search

Add Service Plans

Save

Cancel

Service	Plan	Quota	Subaccount Assignment	Remaining Global Quota	Actions
No entitlements have been added yet.					
Choose 'Configure Entitlements' to add the services and plans that you want to enable for this subaccount.					

Select **ABAP Trial**, check **shared** and click **Add 1 Service Plan**.


Subaccount trial - Entitlements


Entitlements


All Categories


Search


Entitlements available for this subaccount


 ABAP Trial

 Alert Notification

 API Management

 Application Autoscaler
Automatically increase or decrease the number of application instances.

 Application Runtime

 Blockchain Application Enablement

1 selected plan
Services: ABAP Trial (1 plan)

Service Details: ABAP Trial

Available Service Plans

☒ shared
Access a shared instance to build custom ABAP cloud apps, leveraging newest innovations powered by SAP HANA

Add 1 Service Plan

Cancel

Click **Save**.

SAP

SAP Cloud Platform Cockpit

9

Merve

?

Overview

Spaces

Subscriptions

Connectivity

Security

Quota Plans

Entitlements

Members

Useful Links

Legal Information

Home [Europe (Rot) - Cloud Foundry - Trial] / GlobalAccount1 / trial

Subaccount: trial - Entitlements

trial (Unsaved changes) Add Service Plans Save Cancel

Service	Plan	Quota	Subaccount Assignment	Remaining Global Quota	Actions
ABAP Trial	shared	<div><div>-</div><div>1</div><div>+</div></div> Units	<div></div>	0	<div></div>

You have unsaved changes

Now ABAP Trial is listed as a service.

Overview

Spaces

Subscriptions

Connectivity

Security

Quota Plans

Entitlements

Members

Useful Links

Legal Information

Home [Europe (Rot) - Cloud Foundry - Trial] / GlobalAccount1 / trial

Subaccount: trial - Entitlements

trial

Search

Configure Entitlements

Service	Plan	Quota	Subaccount Assignment	Remaining Global Quota	Actions
ABAP Trial	shared	1 Units		0	

Navigate to your space dev, select **Service Marketplace** and **ABAP Trial**.

The screenshot displays the SAP Service Marketplace interface. On the left, a dark blue sidebar contains navigation links: Applications, Services (with a dropdown arrow), Service Marketplace (highlighted with a red box), Service Instances, User-Provided Services, Portal, Routes, Security Groups, Events, and Members. The main content area has a breadcrumb trail: Home [Europe (Rot) - Cloud Foundry - Trial] / GlobalAccount1 / trial / dev (where 'dev' is highlighted with a red box). Below the breadcrumb, the page title is 'Space: dev - Service Marketplace' with a count of 'All: 45'. A search bar is located in the top right. The main area features a grid of service cards. The 'ABAP Trial' card is highlighted with a red box. It includes the 'abap-trial' icon, the text 'Access a shared instance to build custom ABAP cloud apps, leveraging newest innovations powered by SAP HANA.', and a brief description. Other visible cards include 'Alert Notification', 'API Management', 'Application Autoscaler', 'Application Logging', 'Auditlog Management', 'Authorization & Trust Management', 'Blockchain Application Enablement', 'Business Partner - Data Enrichment', 'Business Rules', 'Connectivity', and 'Data Retention Manager'. Each card provides a brief description of its function.

Applications

Services

Service Marketplace

Service Instances

User-Provided Services

Portal

Routes

Security Groups

Events

Members

Useful Links

Legal Information

Home [Europe (Rot) - Cloud Foundry - Trial] / GlobalAccount1 / trial / dev

Space: dev - Service Marketplace

All: 45

Search

ABAP Trial

abap-trial

Access a shared instance to build custom ABAP cloud apps, leveraging newest innovations powered by SAP HANA.

Alert Notification

alert-notification

Service that exposes platform alerts and offers APIs for producing/consuming custom alerts

API Management

api-management

Expose your data and processes as APIs for omni-channel consumption and manage the lifecycle of those APIs.

Application Autoscaler

autoscaler

Automatically increase or decrease the number of application instances based on a policy you define.

Application Logging

application-logs

Create, store, access, and analyze application logs.

Auditlog Management

auditlog-management

Retrieve logs and change retention

Authorization & Trust Management

xsuaa

Manage application authorizations and trust to identity providers.

Blockchain Application Enablement

blockchain-services

Deliver blockchain-based services on any connected blockchain network.

Business Partner - Data Enrichment...

dataenrichment-business-partner-demo

Provides Business Partner data

Business Rules

business-rules

Enrich cloud offerings with decision

Connectivity

connectivity

Establishes a secure and reliable

Data Retention Manager

retention-manager

Manage retention and residence