

SAP HANA Cloud – Setup Guide

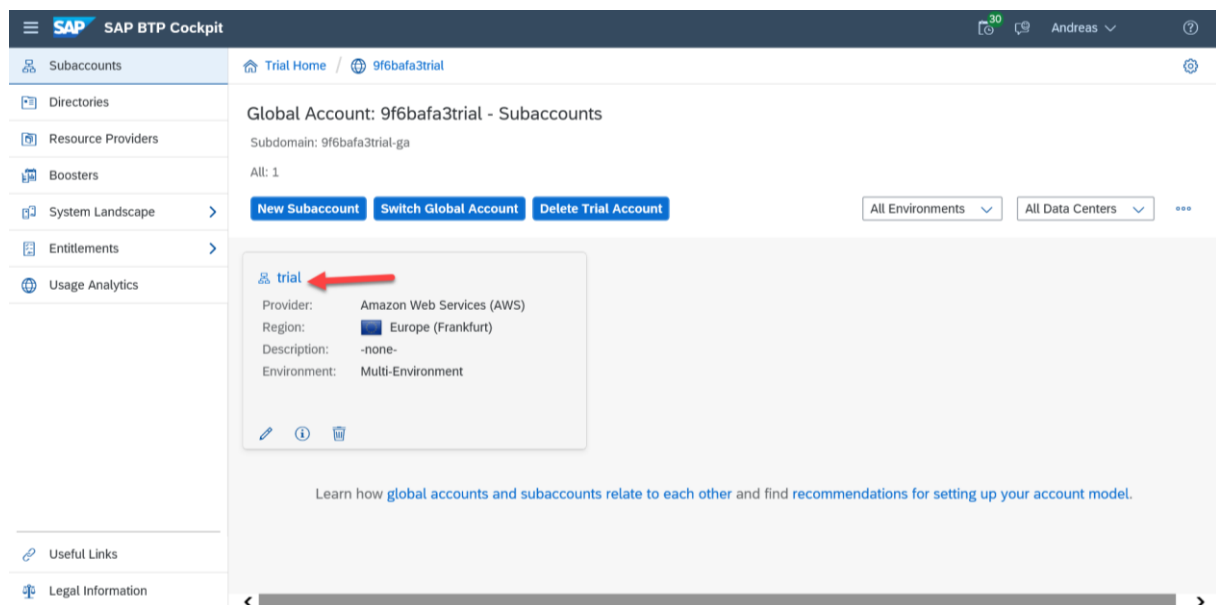
1) Sign up for a trial in SAP Cloud Platform

<https://www.sap.com/cmp/td/sap-hana-cloud-trial.html>

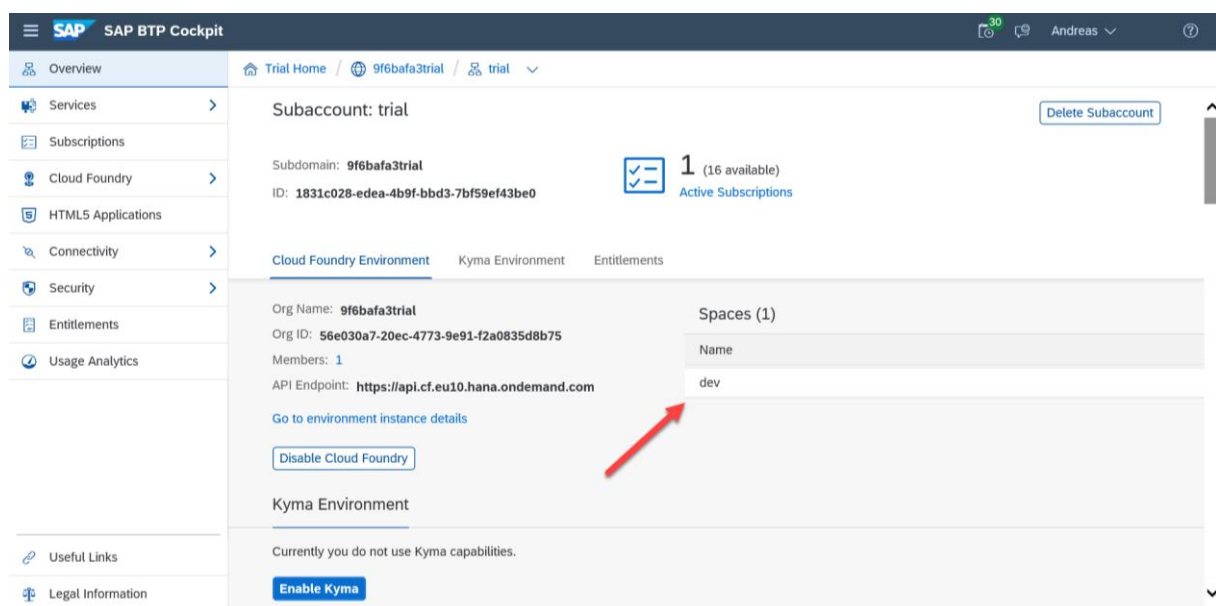
2) Login to the Trial Plattform

<https://account.hanatrial.ondemand.com/trial/#/home/trial>

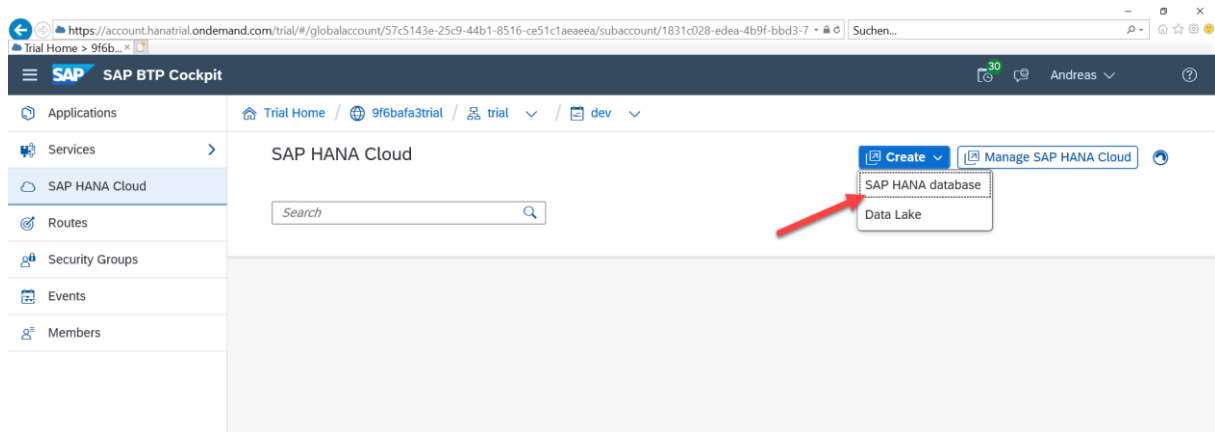
3) Click on the trial Subaccount



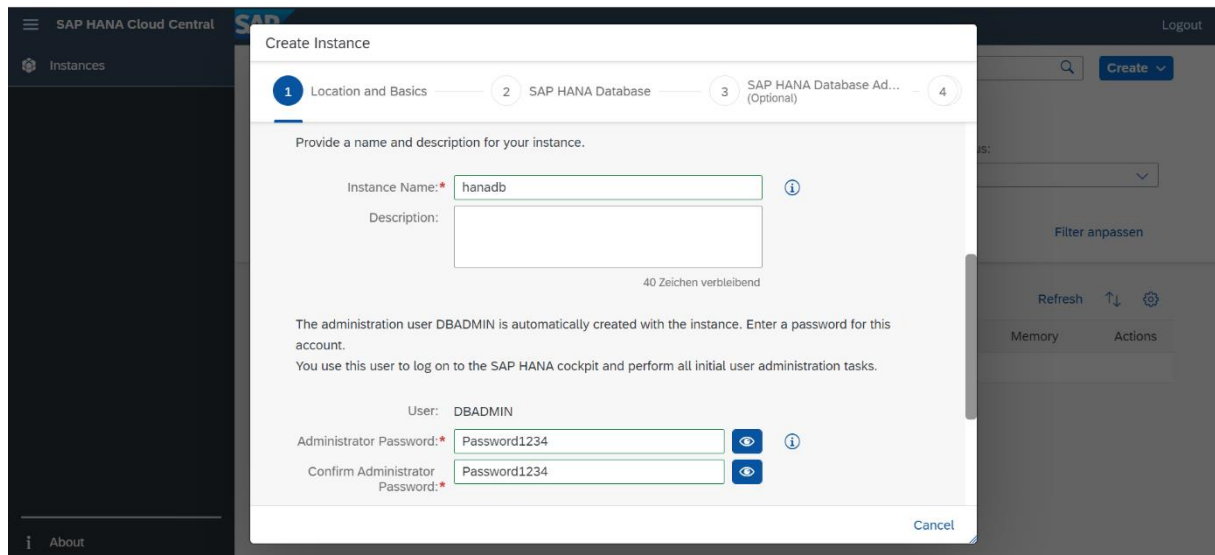
4) Click on the Space dev



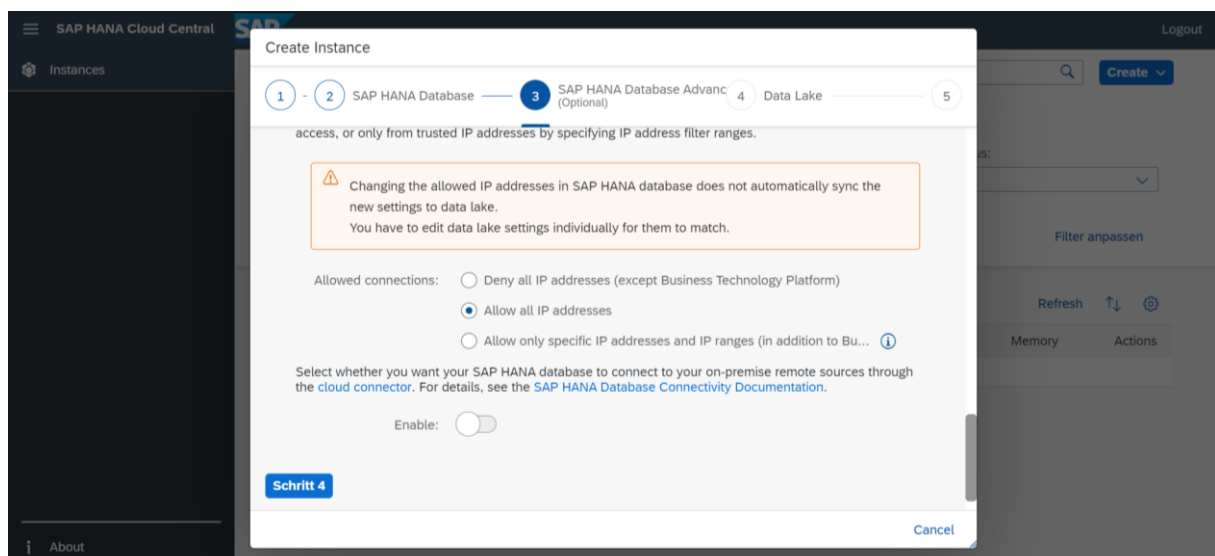
- 5) Navigate to the side menu entry SAP HANA Cloud and create a SAP HANA database instance



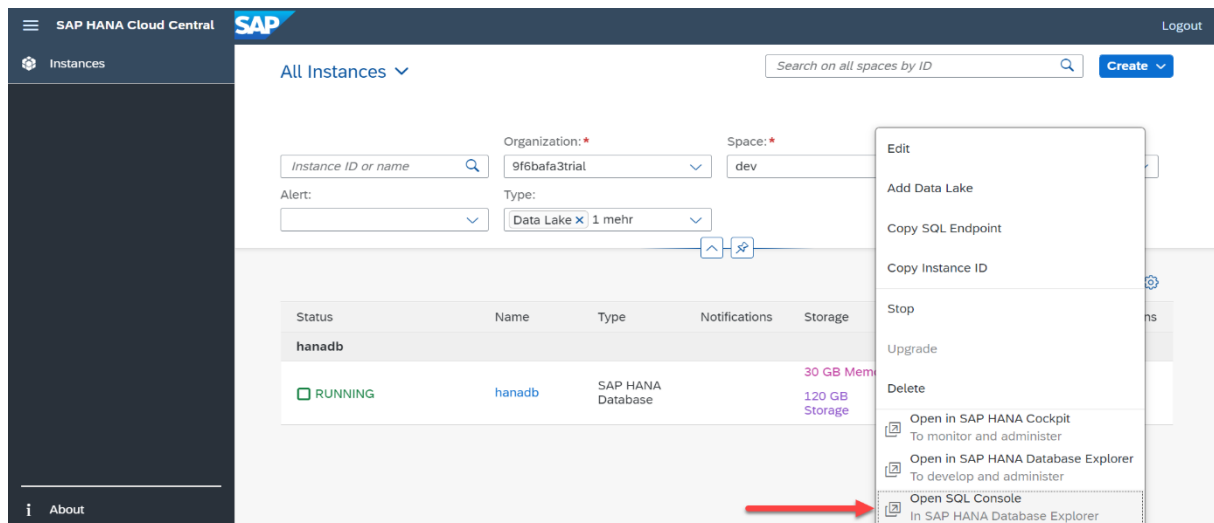
- 6) Choose a name for the instance and password for the user **DBADMIN** will later be used for the JDBC Connection!



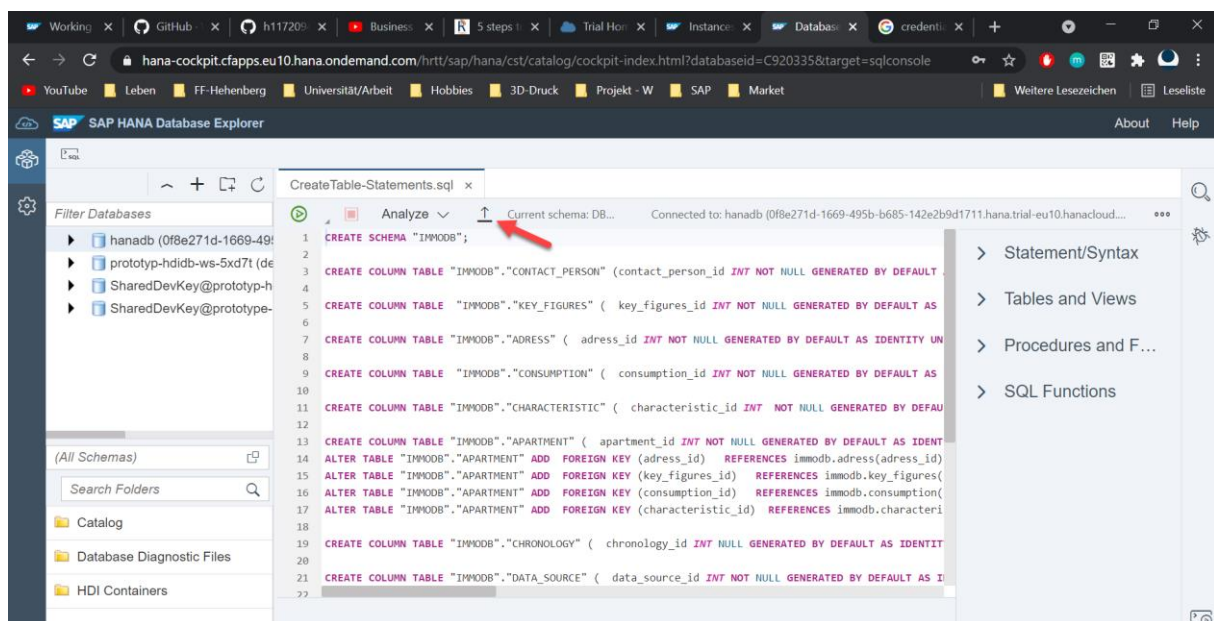
- 7) Allow all IP addresses



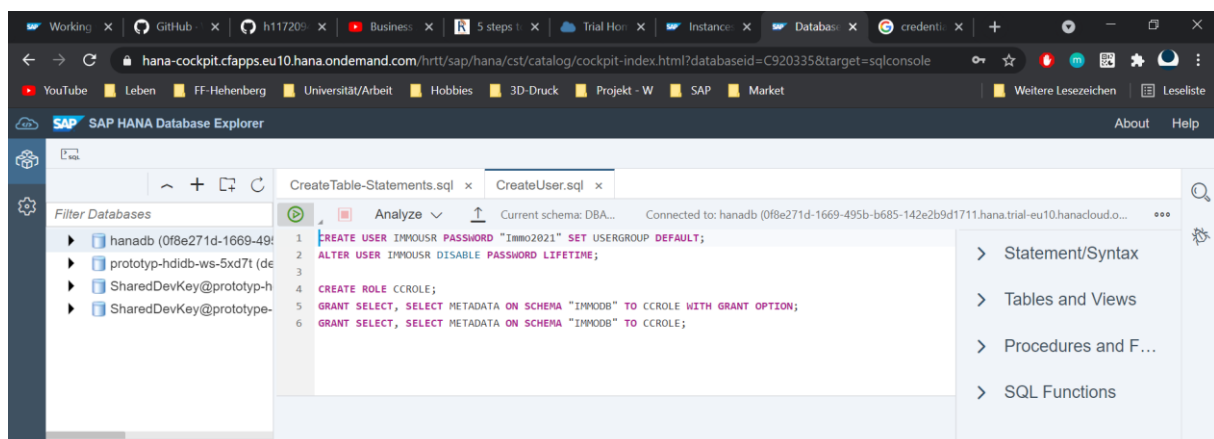
- 8) Wait until the instance is running and then open the SQL Console
Use the DBADMIN user and password to login



- 9) Import the CreateTable-Statement.sql File and execute all Statements



- 10) Do the same for the Create_User.sql File



11) Go back to the trial subaccount and copy the API Endpoint

The screenshot shows the SAP BTP Cockpit interface. On the left is a navigation menu with options like Overview, Services, Subscriptions, Cloud Foundry, HTML5 Applications, Connectivity, Destinations, Cloud Connectors, Security, Useful Links, and Legal Information. The main area displays the 'Subaccount: trial' details. It shows the Subdomain as '9f6bafa3trial' and the ID as '1831c028-edea-4b9f-bbd3-7bf59ef43be0'. There is a 'Delete Subaccount' button. Below this, it shows 'Cloud Foundry Environment' details, including Org Name '9f6bafa3trial', Org ID '56e030a7-20ec-4773-9e91-f2a0835d8b75', and Members '1'. The API Endpoint is 'https://api.cf.eu10.hana.ondemand.com', which is highlighted with a red arrow. There is also a 'Go to environment instance details' link and a 'Disable Cloud Foundry' button. A table titled 'Spaces (1)' shows one space named 'dev' with 0 Applications and 1 Service Instance. Other tabs like 'Kyma Environment' and 'Entitlements' are visible.

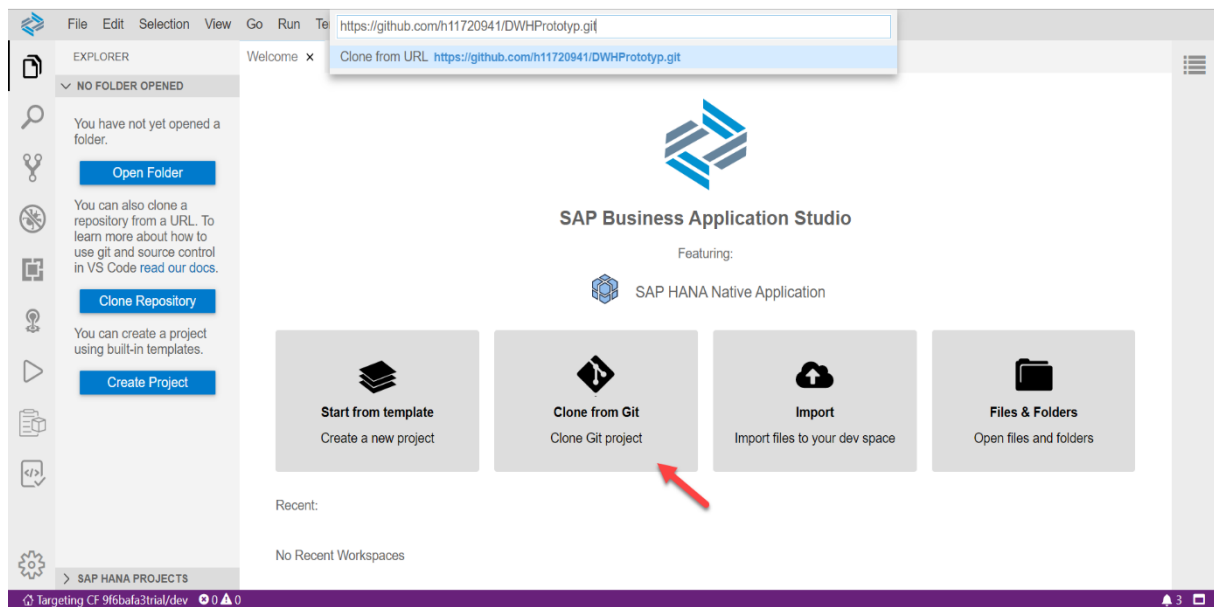
12) Then navigate to Instances and Subscriptions and start SAP Business Application Studio.

The screenshot shows the 'Instances and Subscriptions' page in SAP BTP Cockpit. The left navigation menu is the same. The main area shows 'Subaccount: trial - Instances and Subscriptions' with a 'Create' button. There are filters for Search, All Services, All Plans, and All Statuses. Below these are tabs for Subscriptions (1), Instances (1), and Environments (1). The 'Subscriptions (1)' tab is active, showing a table of applications to which the subaccount is currently subscribed. The table has columns: Application, Plan, Created On, Changed On, Status, and Actions. One subscription is listed: 'SAP Business Application Studio' with Plan 'trial', Created On '23/04/2021', Changed On '23/04/2021', and Status 'Subscribed'. A red arrow points to the 'SAP Business Application Studio' application name. Below the table is the 'Instances (1)' tab.

13) Choose a HANA Native Application and create the Dev Space

The screenshot shows the 'SAP Business Application Studio' interface. At the top, it says 'SAP Business Application Studio' and 'Privacy'. Below this is a 'Create a New Dev Space' dialog. On the left, there's a 'prototype' button and a question 'What kind of application do you want to create?'. There are three radio button options: 'SAP Fiori', 'Full Stack Cloud Application', and 'SAP HANA Native Application'. The 'SAP HANA Native Application' option is selected. On the right, there's a section titled 'SAP HANA Native Application Dev Space' with a description: 'Build and deploy native SAP HANA applications or analytical models. This dev space contains a comprehensive set of editors to support the creation of database artifacts (calculation views, tables, SQLScript procedures, and more), as well as tools to enable an end-to-end development flow from project creation to the deployment to the SAP Cloud Platform.' Below this are six tool cards, each with an icon, a title, a description, and a 'more' link. The tools are: 'Basic Tools', 'SAPUI5 Adaptation Project', 'SAP HANA Calculation View Editor', 'CDS Graphical Modeler', 'SAP HANA Database Explorer', and 'SAP HANA Performance Tools'. At the bottom right, there are 'Cancel' and 'Create Dev Space' buttons.

14)The HANA Project of the Prototype will be implemented by Git

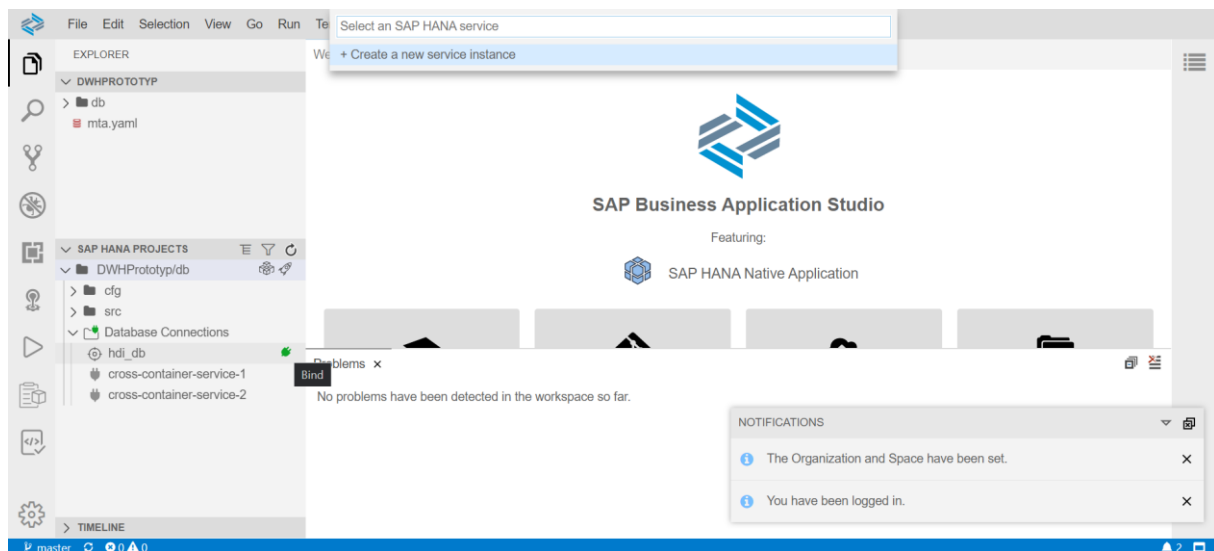


Click on Clone from Git and enter the URL in the terminal

<https://github.com/h11720941/DWHPrototyp.git>

After successfully implementing the project from git, it is necessary to bind it to a service instance.

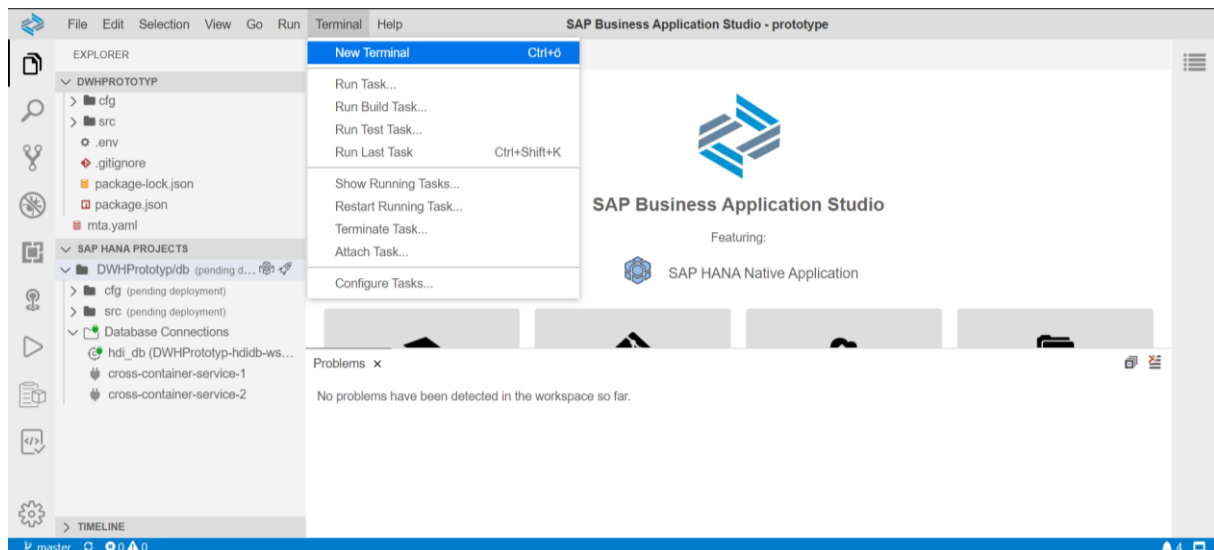
15)Click Bind and create a new service instance



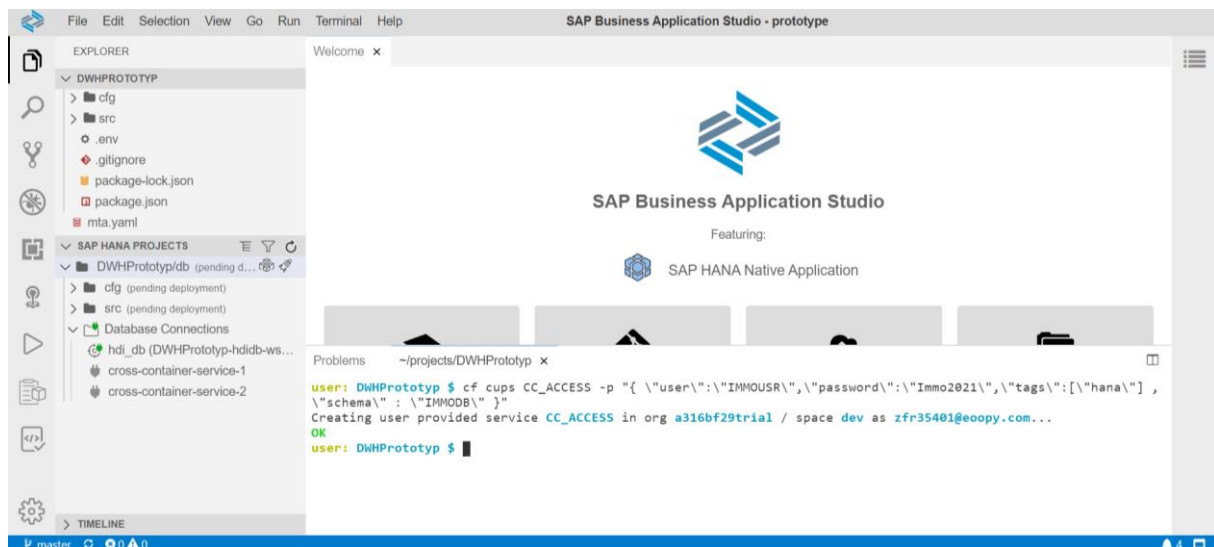
If asked for a Cloud Foundry Endpoint during the creation, enter the previously copied API Endpoint. Then enter the email and password of the trial account. The last inputs are organization and space, which should be both proposed by the terminal.

To get access to the database instance create a user provided service.

16) Open a new terminal



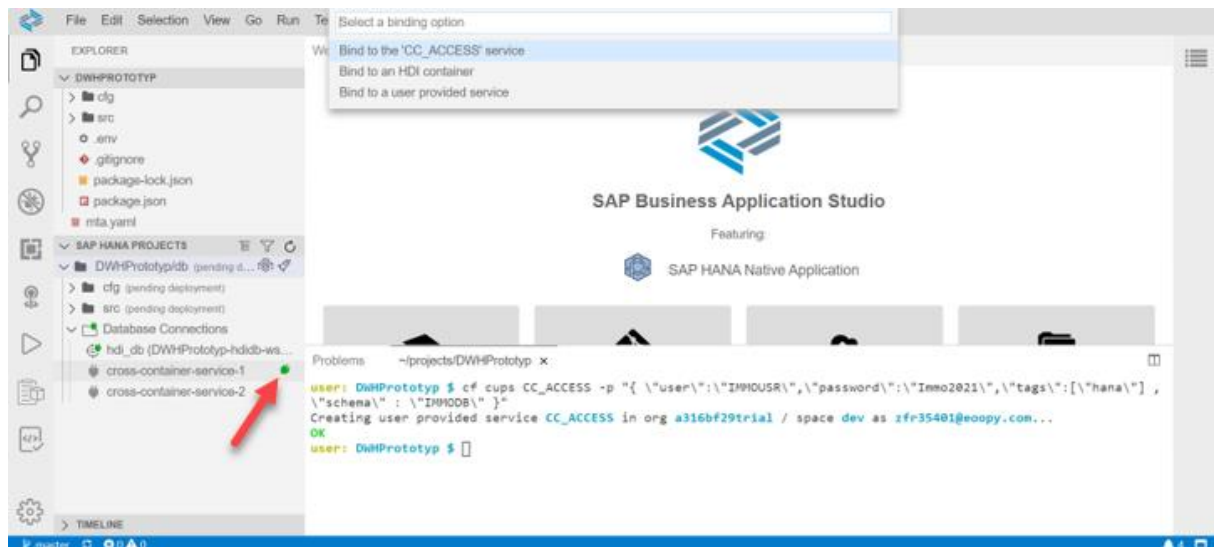
17) Issue the following command from the terminal



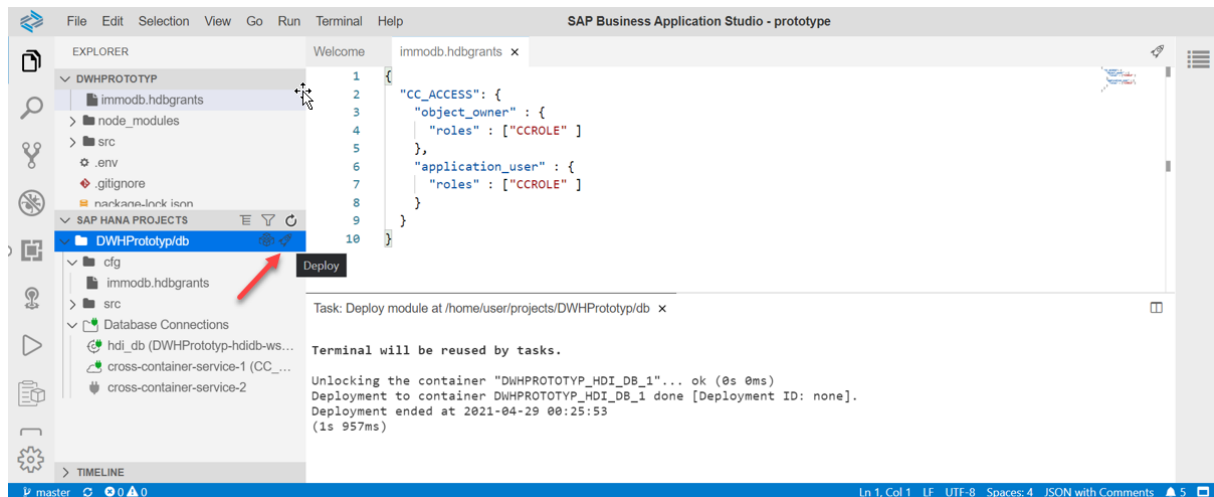
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cf cups CC_ACCESS -p "{
\"user\": \"IMMOUSR\", \"password\": \"Immo2021\", \"tags\": [\"hana\"],
\"schema\" : \"IMMODB\" }"
```

This will create a new user-provided service to access the schema through the user IMMOUR from your HANA DB Project in the Business Application Studio

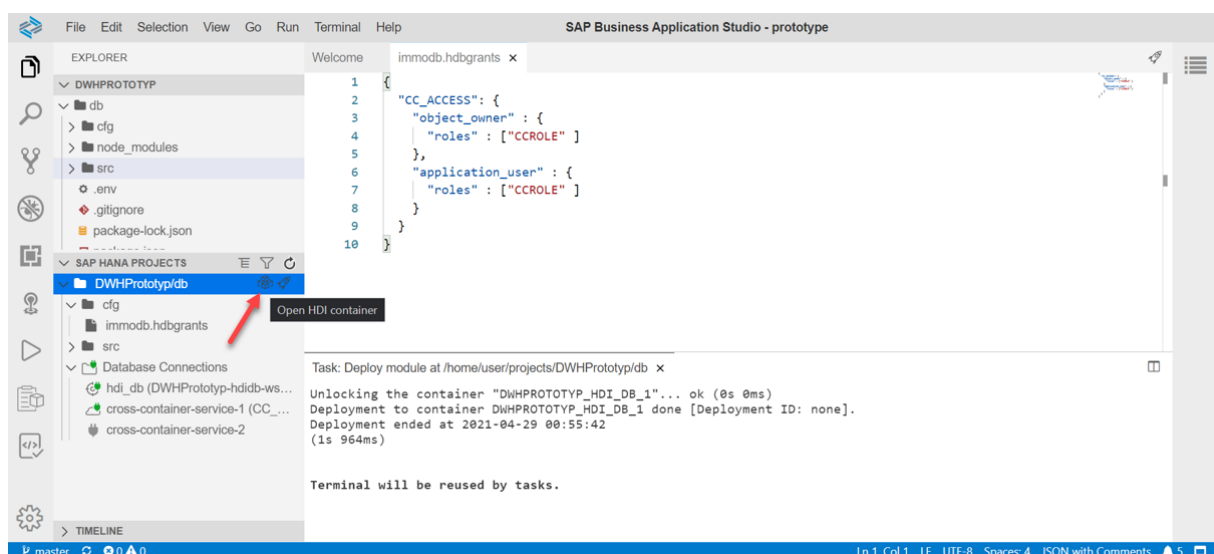
18) Bind the user-provided service to the project



19) Deploy the project



20) Open the project in the Database Explorer



The calculation views are now available under Column Views

The screenshot shows the SAP HANA Database Explorer interface. On the left, the 'Filter Databases' pane lists various databases and views. The 'Column Views' section is expanded, showing a list of views including 'FACT_SHEET_IJT'. The main pane displays the details for 'FACT_SHEET_IJT' in the 'DWHPROTOTYP_HDI_DB_1' schema. The view is of type 'CALCULATED'. Below this, a table lists the columns of the view.

View Column	SQL Data Type	Not Null	Default	Comment
1 APARTMENT_ID	INTEGER		NULL	APARTMENT_ID
2 CONTACT_PERSON_ID_1	INTEGER		NULL	CONTACT_PERSON_ID
3 CHRONOLOGY_ID_1	INTEGER		NULL	CHRONOLOGY_ID
4 DATA_SOURCE_ID_1	INTEGER		NULL	DATA_SOURCE_ID
5 CONSUMPTION_ID_1	INTEGER		NULL	CONSUMPTION_ID
6 KEY_FIGURES_ID	INTEGER		NULL	KEY_FIGURES_ID
7 ADDRESS_ID_1	INTEGER		NULL	ADDRESS_ID
8 AD_ID	INTEGER		NULL	AD_ID

You can click Open Data for a preview of the data

