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Kom A

## Modul 6: Setting HANA Project in SAP Business Application Studio

1. Untuk membuka halaman SAP Business Application Studio, pada halaman BTP Cockpit pilih instance and subscription

The screenshot shows the SAP BTP Cockpit interface. The left sidebar contains navigation links: Overview, Services, Service Marketplace, Instances and Subscriptions (selected), Cloud Foundry, HTML5 Applications, Connectivity, Security, Entitlements, Usage Analytics, Help and Support, Useful Links, and Legal Information. The main content area is titled 'Subaccount: trial - Instances and Subscriptions' with a 'Create' button. Below the title, there are filters for Search, All Services, All Plans, and All Statuses. 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 a menu icon. One entry is visible: SAP Business Application Studio, trial, 25 Sept 2023, 25 Sept 2023, Subscribed. Below this, the 'Instances (3)' tab is active, showing a table of service instances created in Cloud Foundry. The table has columns: Instance, Service, Plan, Runtime Environment, Scope, Credentials, Status, and a menu icon. Three entries are visible: BestRunTravel, BestRunTravel-co, and BestRunTravelDL, all with status 'Created'.

Application	Plan	Created On	Changed On	Status
SAP Business Application Studio	trial	25 Sept 2023	25 Sept 2023	Subscribed

Instance	Service	Plan	Runtime Environment	Scope	Credentials	Status
BestRunTravel	SAP HANA Cloud	hana	Cloud Foundry	dev		Created
BestRunTravel-co	SAP HANA Cloud	hana-cloud-connec...	Cloud Foundry	dev		Created
BestRunTravelDL	SAP HANA Cloud	relational-data-lake	Cloud Foundry	dev		Created

2. pilih SAP Business Application Studio lalu pilih go to application

The screenshot shows the SAP BTP Cockpit interface with the 'SAP Business Application Studio' application details. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Subaccount: trial - Instances and Subscriptions' with a 'Create' button. Below the title, there are filters for Search and All Services. The 'Subscriptions (1)' tab is active, showing a table of applications to which the subaccount is currently subscribed. The table has columns: Application, Status, and a menu icon. One entry is visible: SAP Business Ap..., Subscribed. Below this, the 'Instances (3)' tab is active, showing a table of service instances created in Cloud Foundry. The table has columns: Instance, Status, and a menu icon. Three entries are visible: BestRunTravel, BestRunTravel-conr, and BestRunTravelDL, all with status 'Created'. On the right side of the main content area, there is a panel for 'SAP Business Application Studio'. It shows the Plan: trial, Status: Subscribed, Created On: 25 Sept 2023, and Changed On: 25 Sept 2023. Below this, there is a 'Go to Application' button. The panel also has tabs for Overview and Roles. The Overview tab is active, showing a description of SAP Business Application Studio and a section for Labels (0) with an 'Add' button. At the bottom, there are 'Additional Links' for Documentation and Discovery Center.

Application	Status
SAP Business Ap...	Subscribed

Instance	Status
BestRunTravel	Created
BestRunTravel-conr	Created
BestRunTravelDL	Created

**SAP Business Application Studio**

Plan: trial    Created On: 25 Sept 2023  
Status: Subscribed    Changed On: 25 Sept 2023

[Go to Application](#)

**Overview**    Roles

SAP Business Application Studio is the next generation of SAP Web IDE, offering a modular development environment tailored for efficient development of business applications for the SAP Intelligent Enterprise. It provides pre-configured environments where you can develop, build, test and run using pre-installed runtimes and tools tailored for key scenarios such as: S/4HANA extensions, full stack business applications, Fiori applications and more. It supports quick integration with SAP solutions and services to allow building smarter and more intelligent applications.

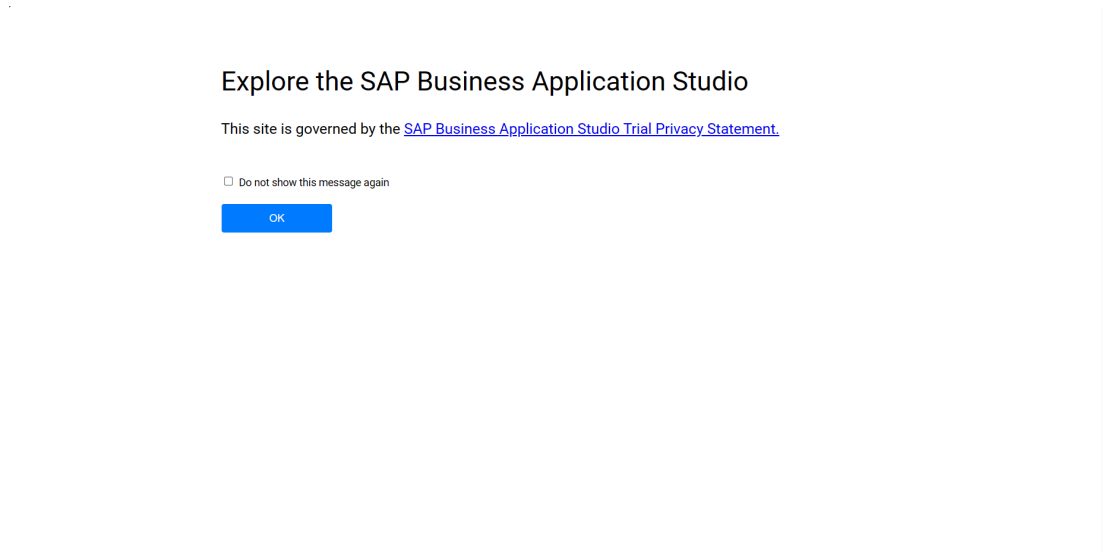
Labels (0)    [Add](#)

No labels assigned to this subscription. Click 'Add' to assign labels.

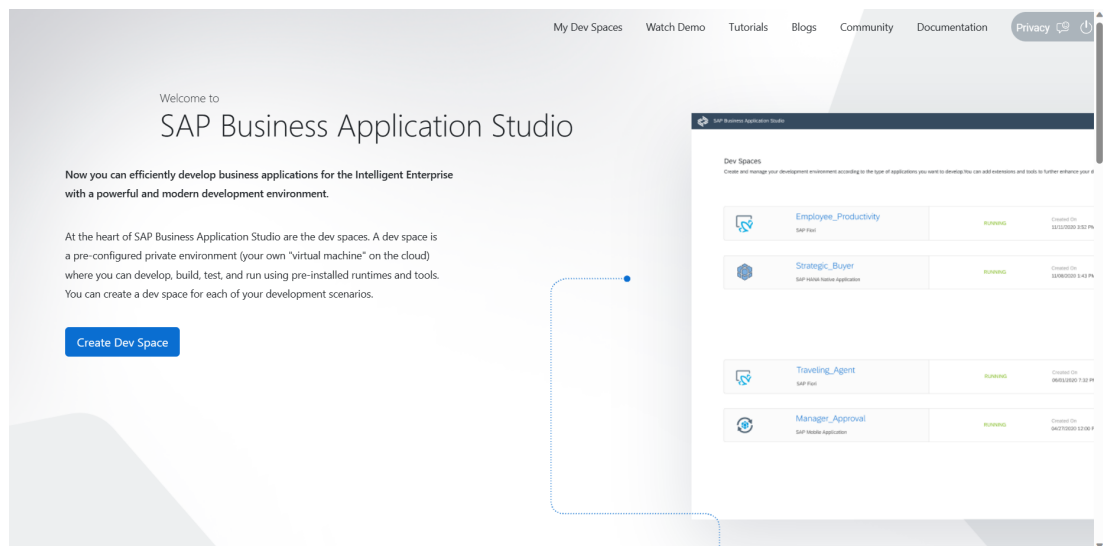
**Additional Links**

- [Documentation](#)
- [Discovery Center](#)

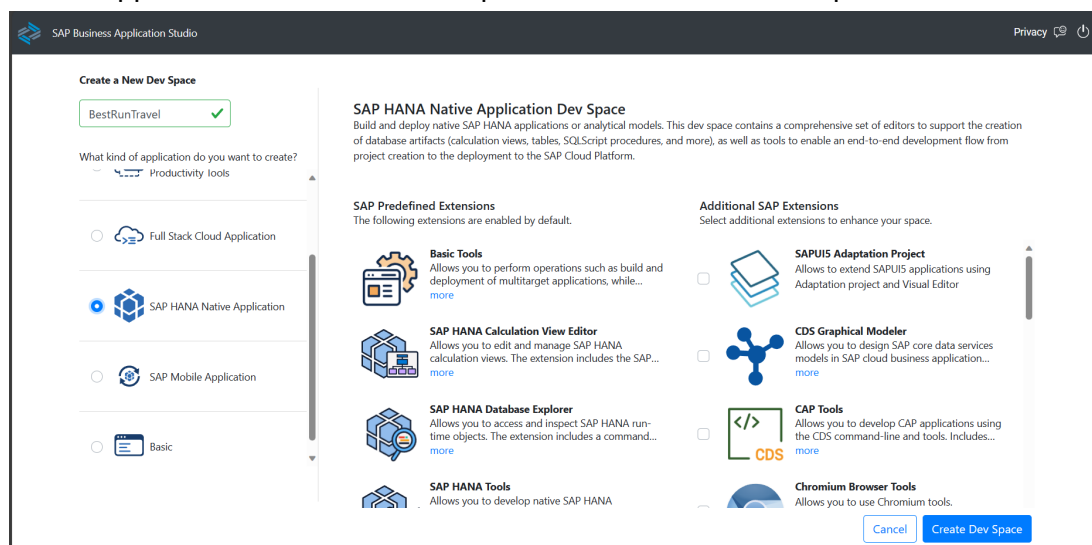
### 3. pilih ok



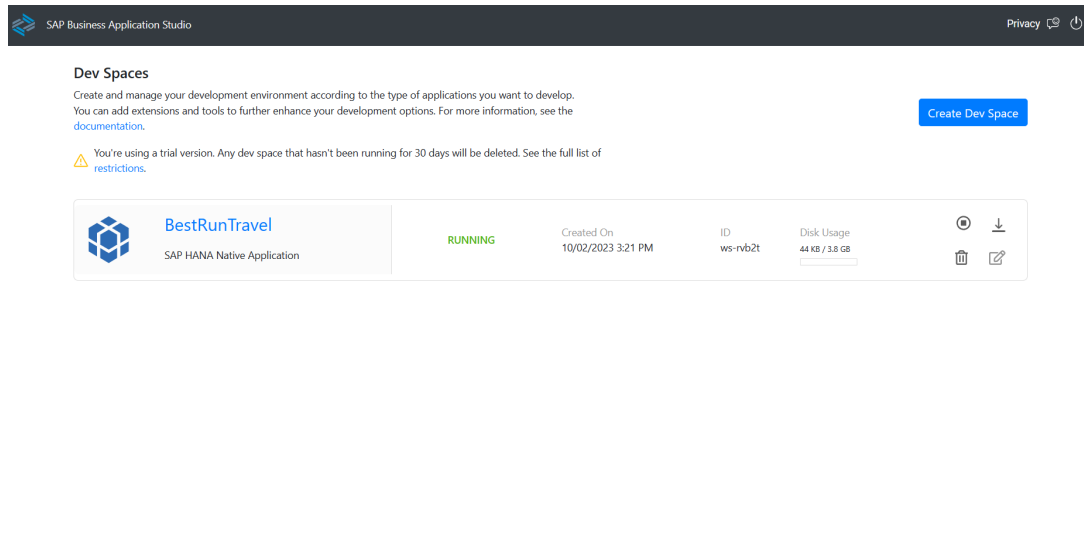
### 4. Pada halaman SAP Business Application Studio, pilih create dev space



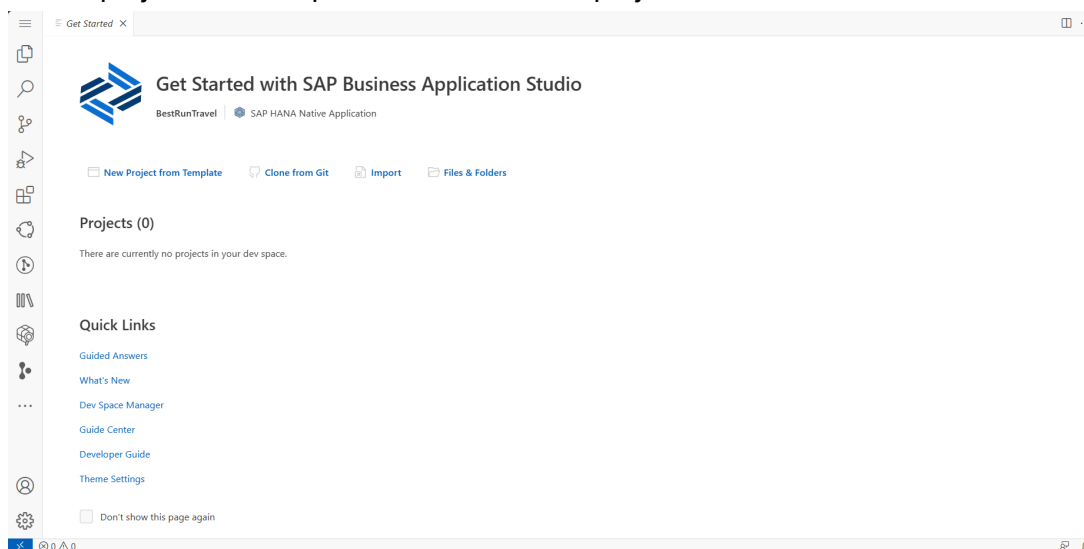
### 5. Isi nama dev space Best Run Travel dan jenis aplikasi SAP HANA native application. Pilih create dev space untuk membuat dev space



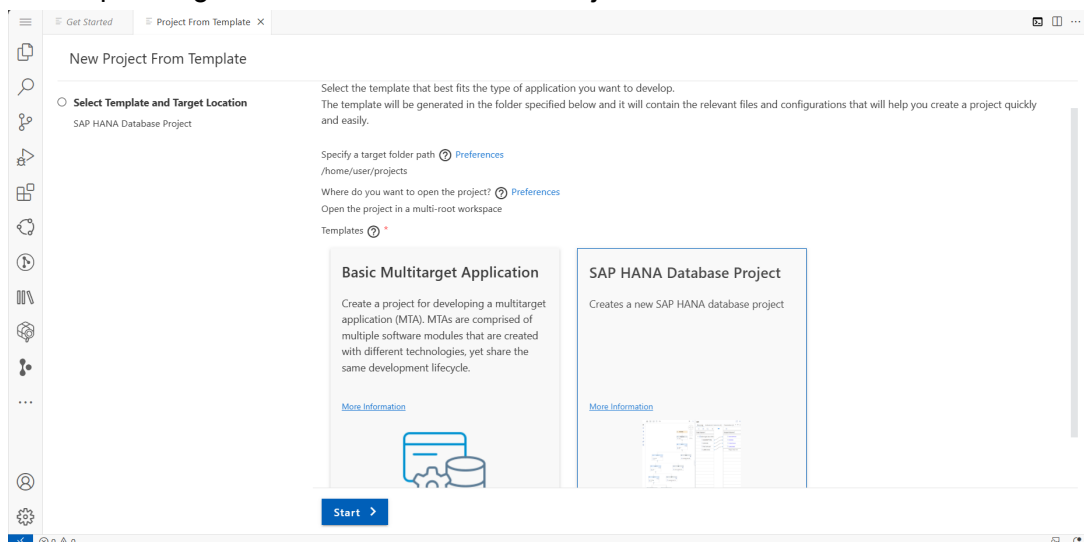
## 6. Halaman dev space jika telah membuat instance baru



## 7. pilih Best Run Travel untuk masuk ke halaman application studio. Lalu pilih new project from template untuk membuat project baru



## 8. pilih bagian SAP HANA Database Project



## 9. Isi nama project

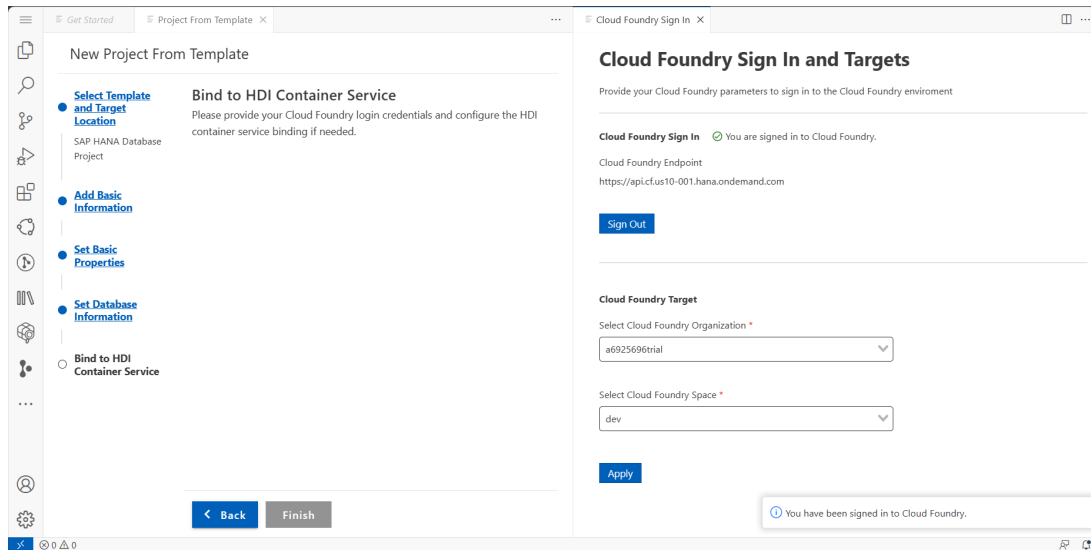
The screenshot shows the 'New Project From Template' wizard in SAP Studio. The left sidebar contains a list of steps: 'Select Template and Target Location' (selected), 'Add Basic Information', 'Set Basic Properties', 'Set Database Information', and 'Bind to HDI Container Service'. The main area is titled 'Add Basic Information' with the subtitle 'Provide basic project information'. A text input field labeled 'Project Name' contains the value 'BRT\_Data'. At the bottom, there are two buttons: '< Start Over' and 'Next >'. The status bar at the bottom shows '0 0 0'.

## 10. Isi nama module dan informasi database

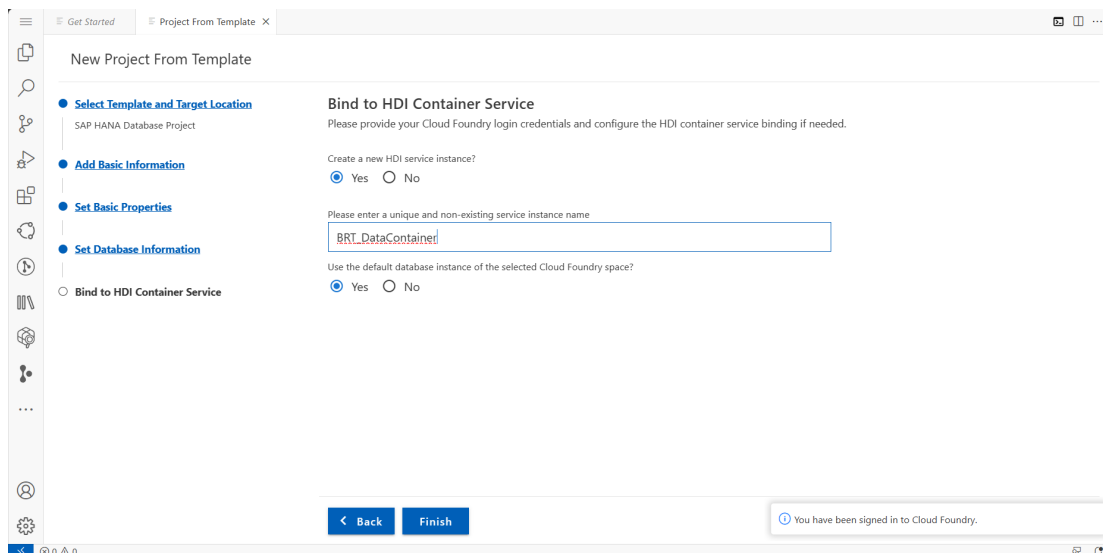
The screenshot shows the 'New Project From Template' wizard in SAP Studio, Step 2: 'Set Basic Properties'. The left sidebar shows the steps: 'Select Template and Target Location', 'Add Basic Information' (selected), 'Set Basic Properties', 'Set Database Information', and 'Bind to HDI Container Service'. The main area is titled 'Set Basic Properties' with the subtitle 'Enter the module name'. A text input field contains the value 'db'. At the bottom, there are two buttons: '< Back' and 'Next >'. The status bar at the bottom shows '0 0 0'.

The screenshot shows the 'New Project From Template' wizard in SAP Studio, Step 3: 'Set Database Information'. The left sidebar shows the steps: 'Select Template and Target Location', 'Add Basic Information', 'Set Basic Properties' (selected), 'Set Database Information', and 'Bind to HDI Container Service'. The main area is titled 'Set Database Information' with the subtitle 'Define details of your application's database module.' It contains three input fields: 'Namespace', 'Schema Name', and 'SAP HANA Database Version' (set to 'HANA Cloud'). Below these is a question: 'Bind the database module to a run-time environment service instance?' with radio buttons for 'Yes' (selected) and 'No'. At the bottom, there are two buttons: '< Back' and 'Next >'. The status bar at the bottom shows '0 0 0'.

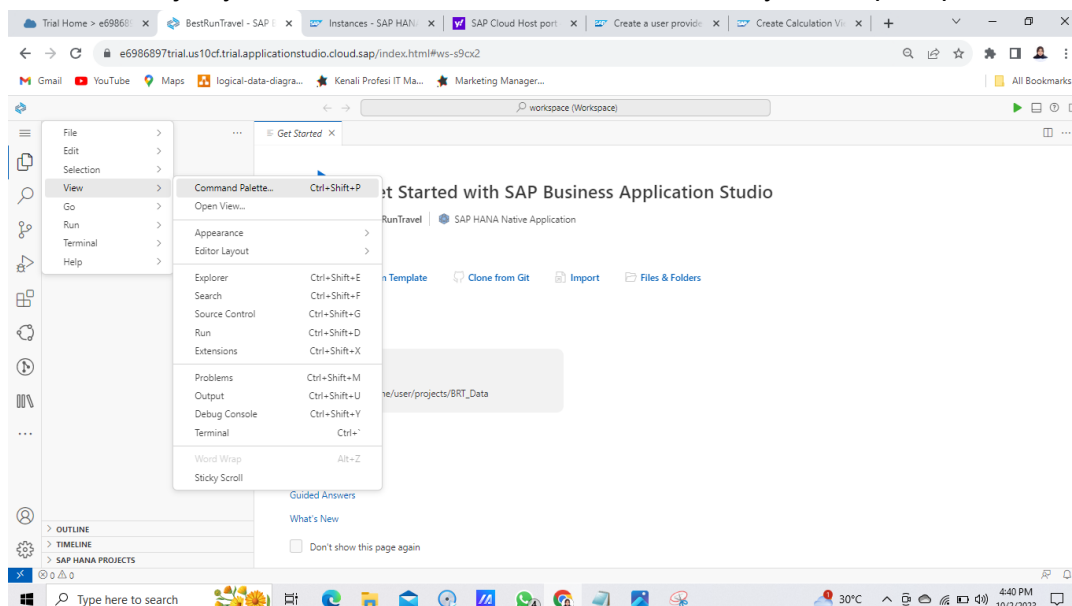
## 11. Selanjutnya, menyambungkan pada HDI Container Service dengan melakukan login



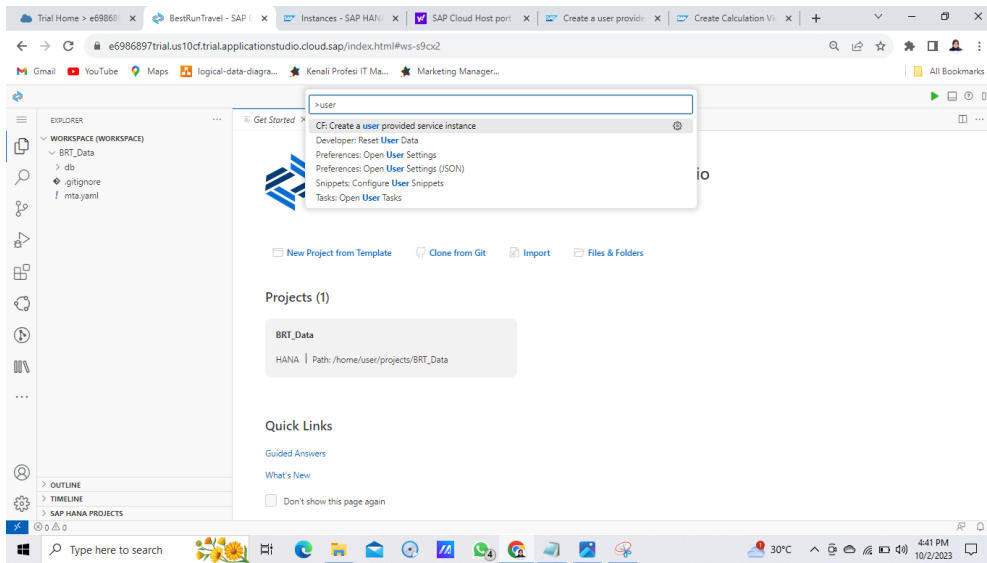
## 12. Menambahkan nama service instance lalu pilih instance



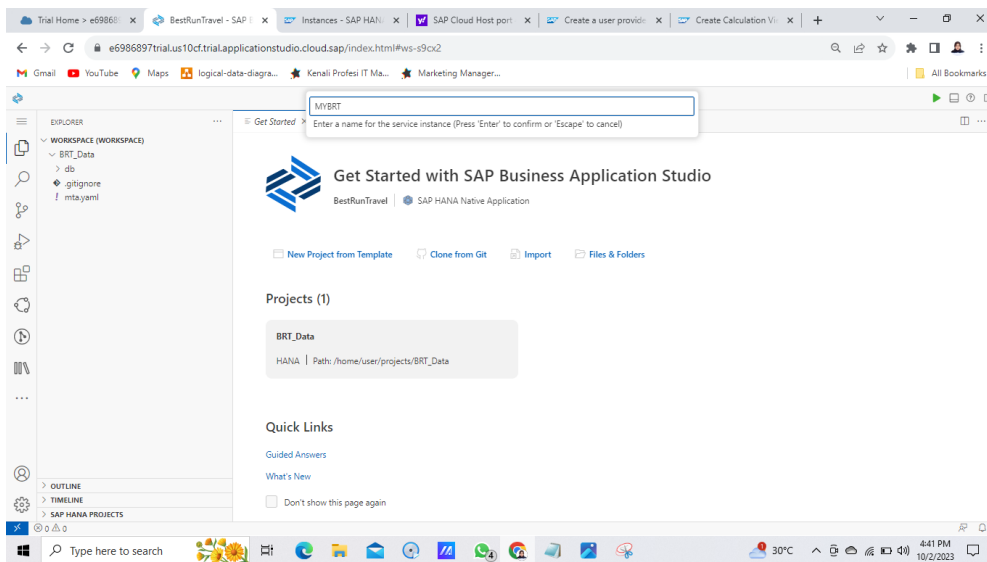
## 13. Selanjutnya menambahkan service instance. caranya buka prompt



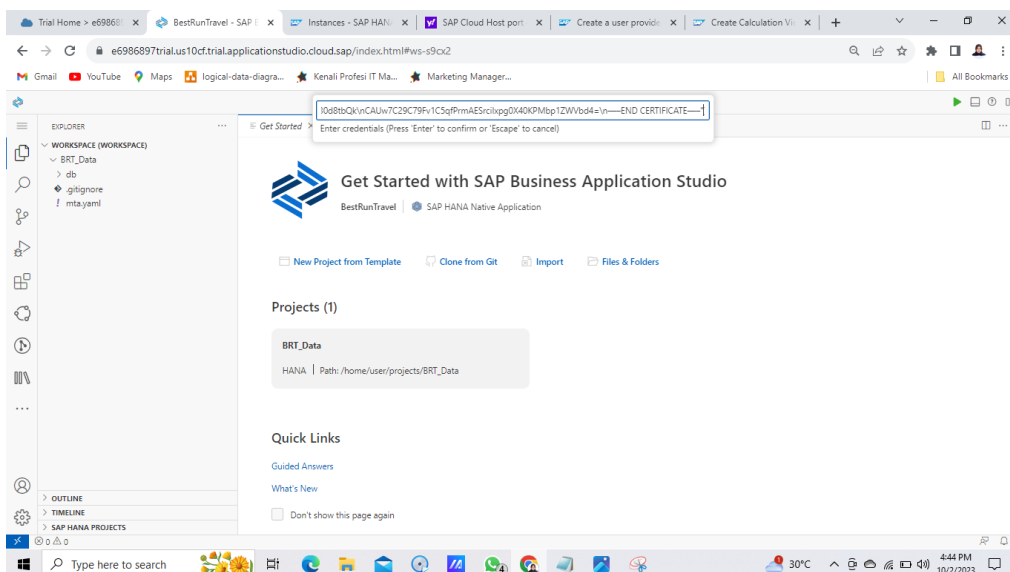
## 14. pilih create a user provided service instance



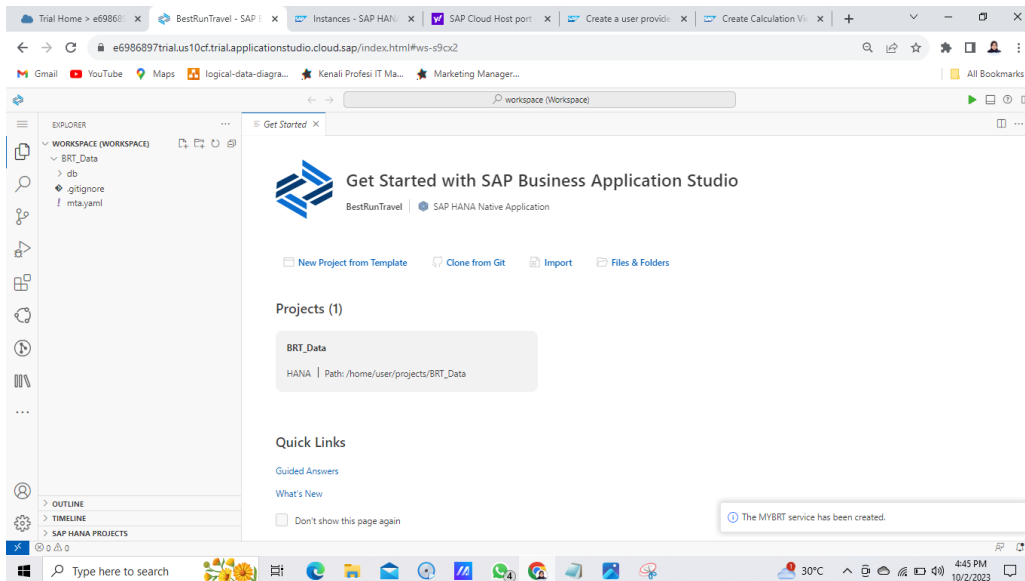
## 15. isi nama service instance



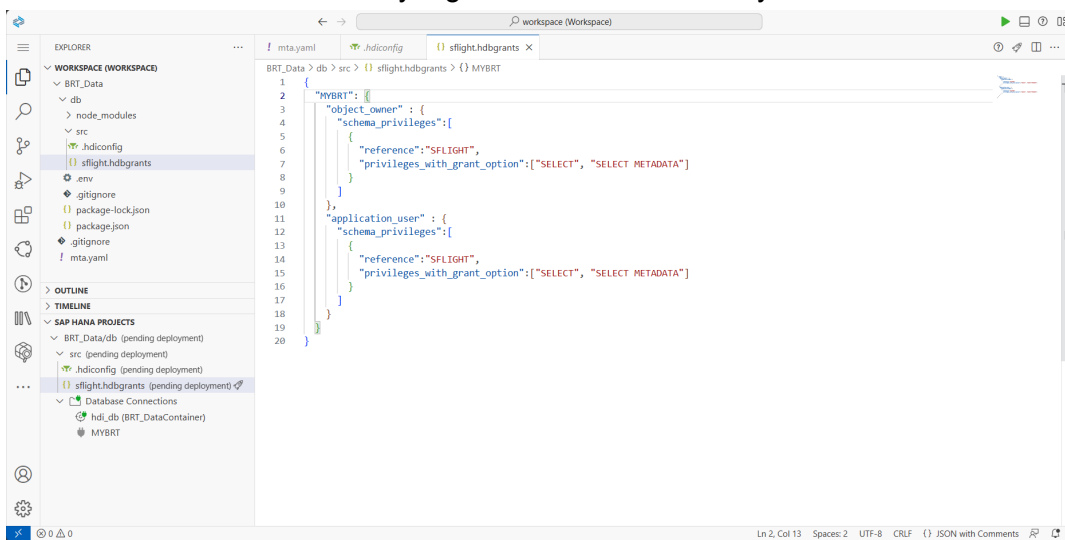
## 16. masukkan kode database



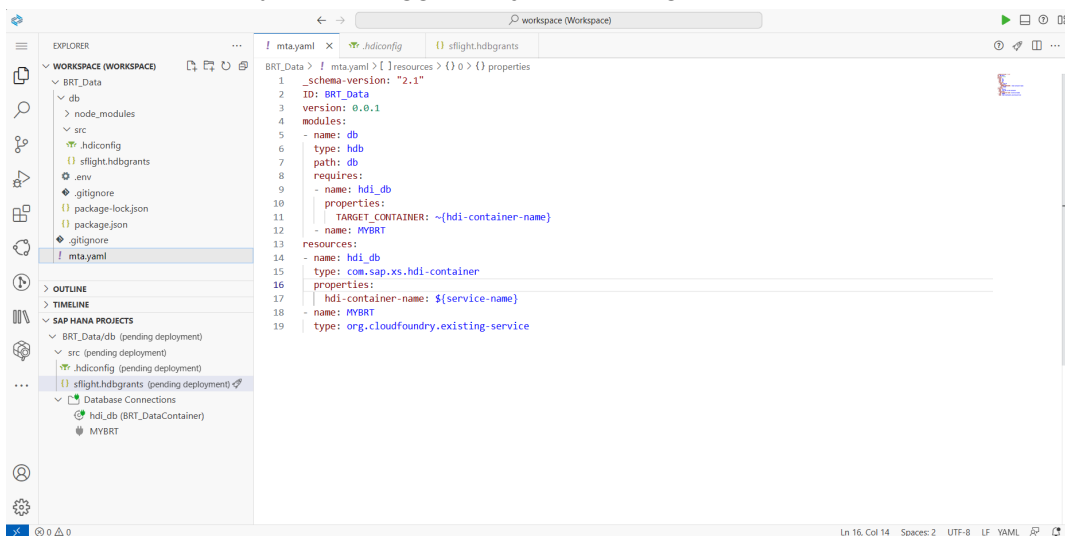
## 17. Service instance telah ditambahkan



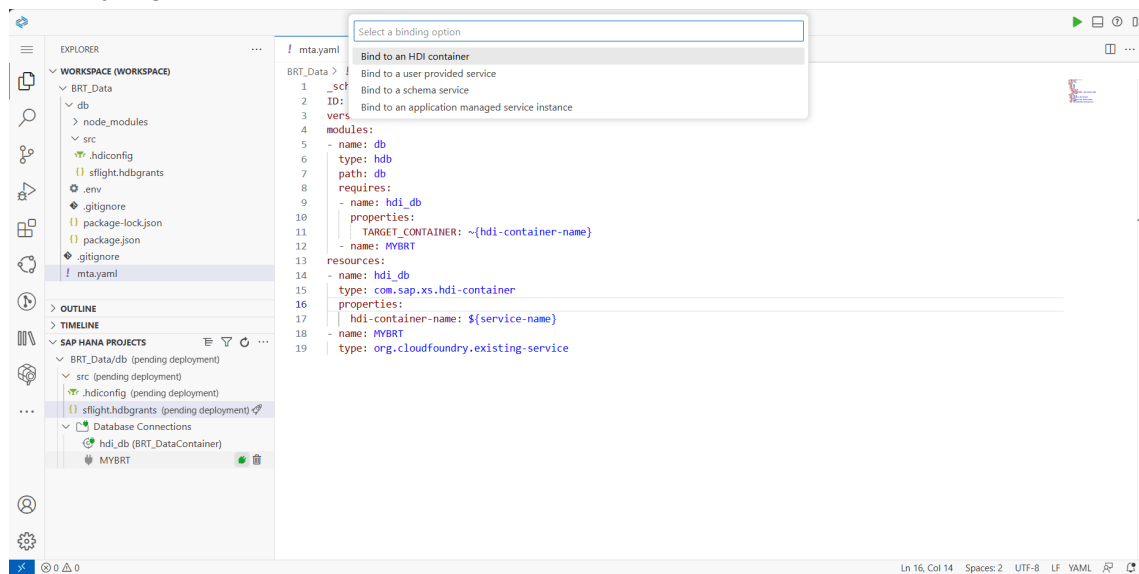
## 18. Selanjutnya, upload file SFLIGHT.hdbgrants kemudian edit kode baris ke-2 dengan nama service instance yang telah dibuat sebelumnya



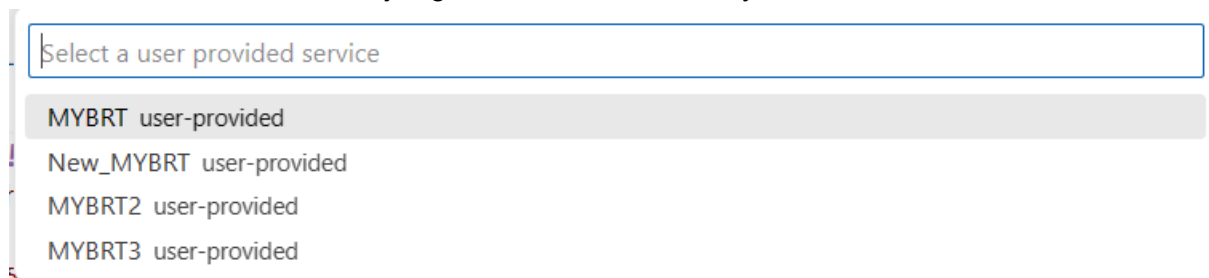
## 19. Edit file mta.yaml sehingga menjadi seperti gambar dibawah ini



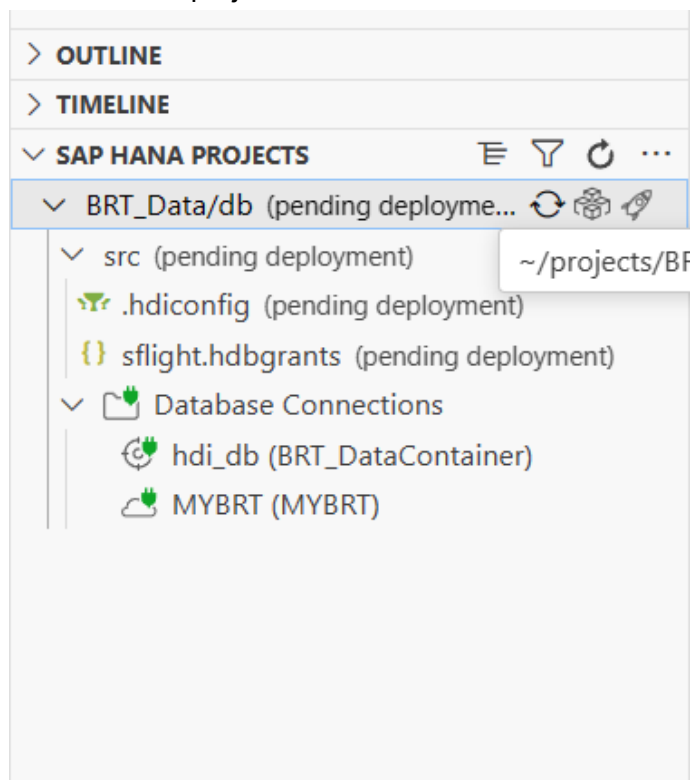
20. Selanjutnya buka SAP HANA Projects, lalu tekan tombol bind pada instance service yang telah dibuat, lalu pilih bind to a user provided service



21. Pilih instance service yang telah dibuat sebelumnya



22. Kemudian lakukan deployment dengan cara menekan tombol icon rocket pada SAP HANA projects





## 23. Jika deploy telah berhasil maka akan seperti gambar di bawah ini

The screenshot displays the SAP HANA Studio interface. The left sidebar shows the Explorer view with the project structure. The main editor shows the `mta.yaml` file with the following content:

```
resources:
- name: hdi_db
  type: hdi
  path: db
  requires:
  - name: hdi_db
    properties:
      TARGET_CONTAINER: ~{hdi-container-name}
  - name: New_MYBRT
  resources:
  - name: hdi_db
  - type: com.sap.xs.hdi-container
    properties:
      hdi-container-name: ${service-name}
  - name: New_MYBRT
  - type: org.cloudfoundry.existing-service
```

The bottom panel shows the Terminal view with the following output:

```
Making... ok (0s 35ms)
Enabling table replication for the container schema "BRT_DATA_HDI_DB_2"...
Enabling table replication for the container schema "BRT_DATA_HDI_DB_2"... ok (0s 13ms)
Starting make in the container "BRT_DATA_HDI_DB_2" with 0 files to deploy, 0 files to undeploy... ok (0s 72ms)
Deploying to the container "BRT_DATA_HDI_DB_2"... ok (0s 241ms)
No default-access-role handling needed; global role "BRT_DATA_HDI_DB_2::access_role" will not be adapted
Unlocking the container "BRT_DATA_HDI_DB_2"...
Unlocking the container "BRT_DATA_HDI_DB_2"... ok (0s 0ms)
Deployment to container BRT_DATA_HDI_DB_2 done [Deployment ID: none].
Deployment ended at 2023-10-02 15:11:08
(2s 467ms)
```

The status bar at the bottom indicates the current file is `mta.yaml` at line 15, column 6, in UTF-8 encoding.