

Tugas Modul 1 : Enterprise Development Software

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Modul 1 : Provisioning SAP HANA Cloud

Hasil mengikuti modul 1, sebagai berikut :

1. Masuk ke halaman Account Explorer, lalu klik Subaccounts trial seperti dibawah ini

The screenshot shows the SAP BTP Cockpit interface. The left sidebar contains the 'Account Explorer' menu. The main content area displays the 'Global Account: e6986897trial - Account Explorer'. Below this, there is a search bar and a dropdown for 'All Regions'. The 'Subaccounts (1)' tab is selected, showing a list of subaccounts. A tooltip for the 'trial' subaccount is visible, showing details: Provider: Amazon Web Services (AWS), Region: US East (VA), and Environment: Multi-Environment.

2. Lalu klik menu Entitlements pada side bar, lalu klik button Configure Entitlements

The screenshot shows the SAP BTP Cockpit interface with the 'Entitlements' menu selected in the left sidebar. The main content area displays the 'Subaccount: trial - Entitlements' page. A table lists various services and their entitlements. The 'Configure Entitlements' button is visible in the top right corner of the table area.

Service	Technical Name	Plan	Assign Quota	Subaccount Assignment	Remaining Global Quota	Actions
ABAP environment	abap-trial	shared	<input checked="" type="checkbox"/>	1 units	0 units	
Alert Notification	alert-notification	standard		1 shared units	1 shared units	
API Management, API Business Hub Enterprise	apimanagement-devportal-trial	devportal-apiaccess		1 shared units	1 shared units	
API Management, API portal	apimanagement-apiportal-trial	on-premise-connectivity		1 shared units	1 shared units	
		apiportal-apiaccess		1 shared units	1 shared units	
		apim-as-route-service		1 shared units	1 shared units	
Application Autoscaler	autoscaler	standard		1 shared units	1 shared units	

3. Ketik “hana” pada kolom search lalu centang bagian sesuai pada arahan modul

The first screenshot shows the 'Entitlements' dialog with the search term 'hana'. The 'Entitlements available for this subaccount' list includes 'SAP HANA Cloud', 'SAP HANA Schemas & HDI Containers', and 'SAP HANA Schemas & HDI Containers Trial'. The 'Service Details: SAP HANA Cloud' panel shows the following checked plans:

- ☒ tools (Application)
SAP HANA Cloud Tools
Features: This is a required service for provisioning or managing instances using the SAP HANA Cloud graphical tools
- ☒ hana-cloud-connection
Connection between SAP HANA Cloud services
- ☒ hana
SAP HANA in-memory database
Features: An in-memory database supporting federation and replication.
- ☒ relational-data-lake
SAP HANA Cloud, data lake
Features: A disk-based relational database supporting low-cost storage for multi-TB datasets.

The second screenshot shows the 'Entitlements' dialog with the search term 'hana'. The 'Entitlements available for this subaccount' list includes 'SAP HANA Cloud', 'SAP HANA Schemas & HDI Containers', and 'SAP HANA Schemas & HDI Containers Trial'. The 'Service Details: SAP HANA Schemas & HDI Containers' panel shows the following checked plans:

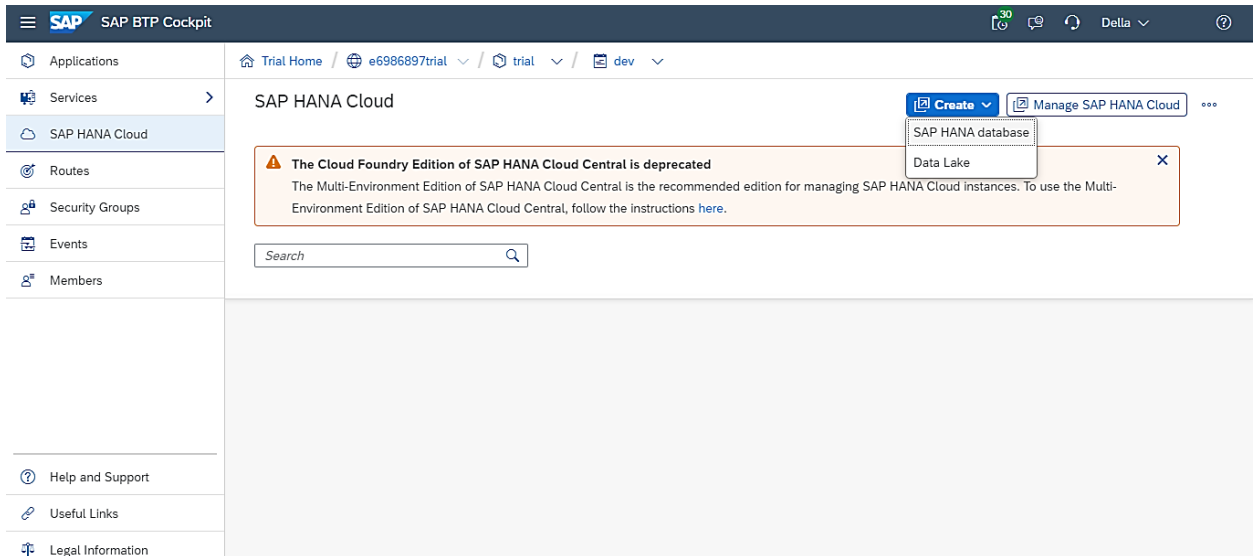
- ☒ hdi-shared
HDI container on a HANA database
Features: HDI container on a HANA database
- ☒ schema
Schema on a HANA database
Features: Schema on a HANA database
- ☒ sbss
User with permissions to use SBSS
Features: User with permissions to use SBSS
- ☒ securestore
Schema on a HANA database
Features: User with permissions to use secure store

4. Lalu klik menu Overview pada side bar untuk melihat detail dari subaccount trial yang dipilih sebelumnya. Lalu lihat pada bagian Space, klik dev, terlihat dev nya masih 0

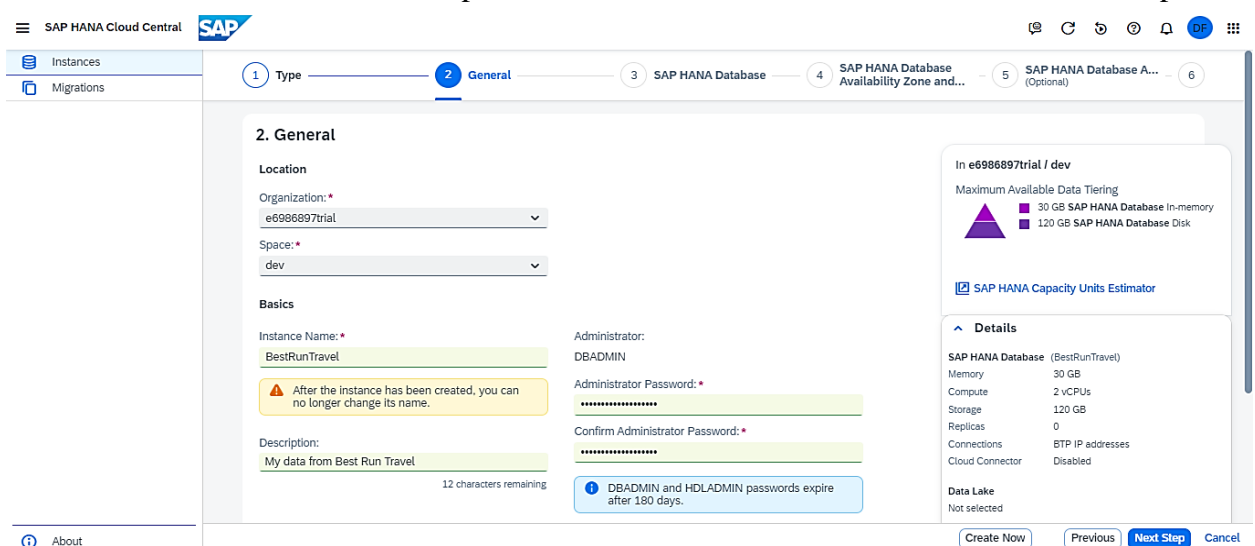
The screenshot shows the 'Overview' page for a subaccount trial. The 'Spaces (1)' table is as follows:

Name	Applications	Service Instances
dev	0	0

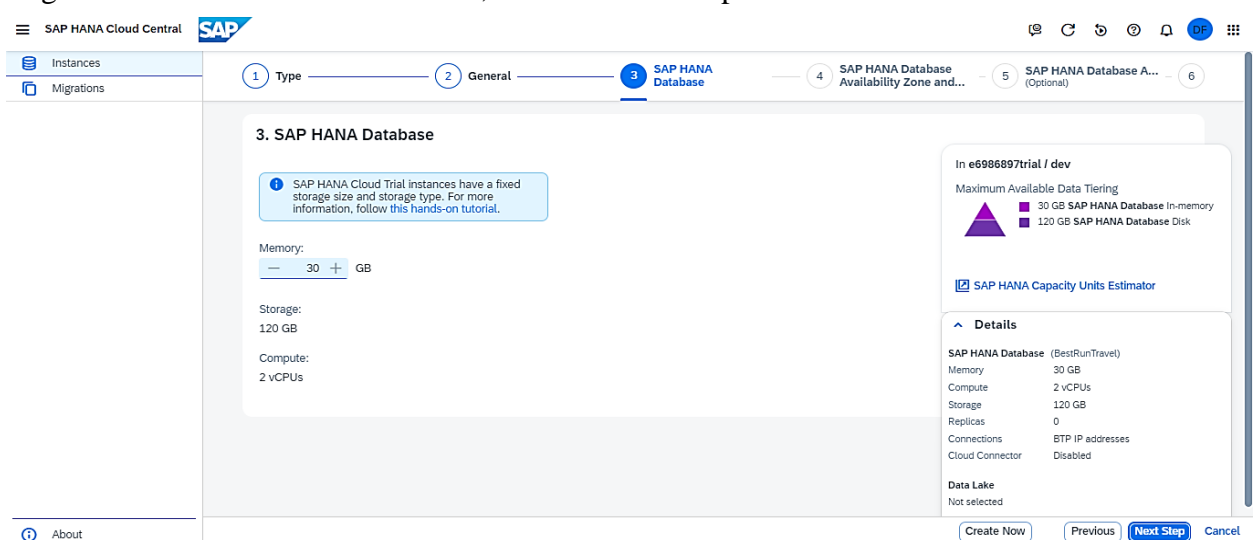
5. Kemudian klik menu SAP HANA Cloud pada side bar, lalu klik button create dan pilih SAP HANA database



6. Kemudian isi Instance name, description, dan Administrator Password. Lalu klik Next Step



7. Bagian dibawah ini dibiarkan default, lalu klik Next Step



8. Pada SAP HANA Database Advanced Settings, pilih Allow all IP addresses, lalu Next Step

5. SAP HANA Database Advanced Settings

Connections

You can choose to only allow access to the instance from Business Technology Platform (BTP) which is the default, allow all access, or only from trusted IP addresses by specifying IP address filter ranges.

⚠️ Changing the allowed IP addresses in your SAP HANA database does not automatically sync the new settings to data lake. You have to edit data lake settings individually for them to match.

Allowed connections:*

- ☐ Allow only BTP IP addresses
- ☒ Allow all IP addresses
- ☐ Allow specific IP addresses and IP ranges (in addition to BTP)

Cloud Connector

Enables the cloud connector. This allows you to connect to an SAP HANA on-premise system from your SAP HANA

Details

SAP HANA Database (BestRunTravel)

Memory	30 GB
Compute	2 vCPUs
Storage	120 GB
Replicas	0
Connections	All IP addresses
Cloud Connector	Disabled

Data Lake

Not selected

[SAP HANA Capacity Units Estimator](#)

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9. Pada Data Lake, isi Instance Name, lalu bagian selanjutnya saya biarkan default, lalu klik Review and Create

6. Data Lake

Create Data Lake:

Creates a data lake instance that is integrated with your SAP HANA database instance. The data lake instance is composed of data lake Relational Engine on trial.

Basics

Instance Name:*

BestRunTravelDL

⚠️ After the instance has been created, you can no longer change its name.

Associated SAP HANA Database Instance:

BestRunTravel

When adding an integrated data lake instance, both DBADMIN and HDLADMIN administration users are automatically created with the same password.

Administrator:

HDLADMIN

Details

SAP HANA Database (BestRunTravel)

Memory	30 GB
Compute	2 vCPUs
Storage	120 GB
Replicas	0
Connections	All IP addresses
Cloud Connector	Disabled

Data Lake (BestRunTravelDL)

Connections	BTP IP addresses
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7. Data Lake Relational Engine

Size

Coordinator:*

2 vCPUs

Storage:*

256 GB

Workers:*

2 vCPUs

Compute:

4 vCPUs

Memory:

32 GB

System Temporary Storage:

900 GB

Storage Service

Storage Service Type:

AWS Elastic File System (EFS)

Details

SAP HANA Database (BestRunTravel)

Memory	30 GB
Compute	2 vCPUs
Storage	120 GB
Replicas	0
Connections	All IP addresses
Cloud Connector	Disabled

Data Lake (BestRunTravelDL)

Connections	BTP IP addresses
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SAP HANA Cloud Central

Instances Migrations

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8. Data Lake Advanced Settings

Connections

You can choose to only allow access to the instance from Business Technology Platform (BTP) which is the default, allow all access, or only from trusted IP addresses by specifying IP address filter ranges.

⚠ Changing the allowed IP addresses in data lake does not automatically sync the new settings to your SAP HANA database. You have to edit your SAP HANA database settings individually for them to match.

⚠ If you select to only allow SAP BTP, then you will not be able to connect using tools such as dbeaver.

Allowed connections:*

☐ Allow only BTP IP addresses

☒ Allow all IP addresses

☐ Allow specific IP addresses and IP ranges (in addition to BTP)

In e6986897trial / dev

Maximum Available Data Tiering

- 30 GB SAP HANA Database In-memory
- 120 GB SAP HANA Database Disk

[SAP HANA Capacity Units Estimator](#)

Details

SAP HANA Database (BestRunTravel)

Memory	30 GB
Compute	2 vCPUs
Storage	120 GB
Replicas	0
Connections	All IP addresses
Cloud Connector	Disabled

Data Lake (BestRunTravelDL)

Connections	All IP addresses
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10. Maka All Instance akan di creating, tunggu sejenak

SAP HANA Cloud Central

Instances Migrations

All Instances [Search on all spaces by instance ID](#) [Create Instance](#)

Organization: * Space: * Status: Notifications:

Instance ID or name: e6986897trial dev

Type: [Data Lake x](#) 1 More

[Restore](#) [Adapt Filters](#)

Status	Name	Notifications	Runtime Environment	Memory	Storage	Compute	Scale-out	Replicas	Actions
My data from Best Run Travel									
Creating	BestRunTravel		Cloud Foundry	30 GB	120 GB	2 vCPUs	1 node	0 replicas	...
Creating	BestRunTravelDL		Cloud Foundry		256 GB	2 vCPU Workers 2 vCPU			...

11. Jika sudah berhasil di creating, maka All Instance dapat berjalan atau running seperti ini

SAP HANA Cloud Central

Instances Migrations

All Instances [Search on all spaces by instance ID](#) [Create Instance](#)

Organization: * Space: * Status: Notifications:

Instance ID or name: e6986897trial dev

Type: [Data Lake x](#) 1 More

[Restore](#) [Adapt Filters](#)

Status	Name	Notifications	Runtime Environment	Memory	Storage	Compute	Scale-out	Replicas	Actions
My data from Best Run Travel									
Running	BestRunTravel	1	Cloud Foundry	30 GB	120 GB	2 vCPUs	1 node	0 replicas	...
Running	BestRunTravelDL		Cloud Foundry		256 GB	2 vCPU Workers 2 vCPU			...