

Create & Manage SAP HANA Cloud DB Instances

Summary & tips by Udemy course “Learn SAP Cloud with User & Role Management[Hands On] (to be continued)

Options to create DB Instances:

SAP HANA Cloud Instances

01 From Subaccount Level (Multi-Env)

recommended

- Subscribe to SAP HANA Cloud Tools at Subaccount Level

- Create SAP HANA Cloud Instances

- i. SAP HANA Cloud, SAP HANA Database

- ii. SAP HANA Cloud, SAP HANA Data Lake

02 From Space Level (Cloud Foundry Env)

deprecated

- Cloud Foundry Environment > Space Level

- Create SAP HANA Cloud Instances

- i. SAP HANA Cloud, SAP HANA Database

- ii. SAP HANA Cloud, SAP HANA Data Lake



Option 1(preferable)- Add entitlement for SAP HANA Cloud service :

Trial Home / 90c090f9trial 

Global Account: 90c090f9trial - Entity Assignments

Subaccounts/Directories: trial 

Service	Service Technical Name	Plan	Set Quota Limit 	Subaccount Assignment	Remaining Global Quota	Actions
ABAP environment	abap-trial	shared 	<input checked="" type="checkbox"/>	- 1 + Units	0 units	
Alert Notification	alert-notification	standard 	<input type="checkbox"/>	1 shared units 	1 shared units 	
API Management, API portal	apimanagement-apiportal-trial	on-premise-connectivity 	<input type="checkbox"/>	1 shared units 	1 shared units 	
		apiportal-apisaccess 	<input type="checkbox"/>	1 shared units 	1 shared units 	
		apim-as-route-service 	<input type="checkbox"/>	1 shared units 	1 shared units 	
API Management, developer portal	apimanagement-devportal-trial	devportal-apisaccess 	<input type="checkbox"/>	1 shared units 	1 shared units 	
Application Autoscaler	autoscaler	standard 	<input type="checkbox"/>	1 shared units 	1 shared units 	
Application Logging Service	application-logs	lite 	<input type="checkbox"/>	1 shared units 	1 shared units 	
Audit Log Management Service	auditlog-management	default 	<input type="checkbox"/>	1 shared units 	1 shared units 	
Audit Log Viewer Service	auditlog-viewer	free (Application) 	<input type="checkbox"/>	1 shared units 	1 shared units 	
Authorization and Trust Management Service	xsuaa	application 	<input type="checkbox"/>	1 shared units 	1 shared units 	
		broker 	<input type="checkbox"/>	1 shared units 	1 shared units 	
		space 	<input type="checkbox"/>	1 shared units 	1 shared units 	
		apisaccess 	<input type="checkbox"/>	1 shared units 	1 shared units 	

 Search  Add Service Plans  Save  Cancel 

Subaccount trial: Add Service Plans

Services

Solutions:

All

HANA

 X

Services available to this subaccount



SAP HANA Cloud



SAP HANA Schemas & HDI Containers



SAP HANA Schemas & HDI Containers Trial

[Can't find what you're looking for?](#)

0 selected plans

Service Details: SAP HANA Cloud

name: hana-cloud-trial | appName: hana-cloud-tools-trial

Available Plans

 hana-cloud-connection

Connects an SAP HANA Cloud, SAP HANA database instance with an SAP HANA Cloud, data lake instance without additional costs.

 hana

Creates a free and limited SAP HANA Cloud, SAP HANA database instance. These free tier instances have limited resources and features. They are not subject to SLAs and only community support is available. Free tier instances can be converted to paid tier instances at any time.

 relational-data-lake

Creates a free and limited SAP HANA Cloud, data lake instance. These free tier instances have limited resources and features. They are not subject to SLAs and only community support is available. Free tier instances can be converted to paid tier instances at any time.

 tools (Application)

Creates and manages SAP HANA Cloud instances using SAP HANA Cloud graphical tools. No additional costs are charged for using the SAP HANA Cloud graphical tools.

[Add 0 Service Plans](#)[Cancel](#)

Broker

1 shared units

1 shared units

Create subscription for the SAP HANA Cloud service on the level of subaccount (choose plane “tools”:

The screenshot shows the SAP Service Marketplace interface. At the top left, the URL is Trial Home / 90c090f9trial / trial. The main title is "Subaccount: trial - Service Marketplace". A search bar contains the term "hana". Below the search bar, there are two sections: "Application Development and Automation" and "Data and Analytics". The "SAP HANA Cloud" card in the "Data and Analytics" section is highlighted with a blue border. It includes a brief description: "A single gateway to all your data." To the right, the "SAP HANA Cloud" service details are shown. The service name is "hana-cloud-trial" and the application name is "hana-cloud-tools-trial". There are three tabs: "Overview" (selected), "Service Plans", and "Application Plans". The "Overview" tab contains a brief description of SAP HANA Cloud and links to "Documentation", "Support", and "Discovery Center". The "Service Plans" tab lists three plans: "hana", "relational-data-lake", and "hana-cloud-connection". The "hana" plan is described as creating a free and limited SAP HANA Cloud, SAP HANA database instance. The "relational-data-lake" plan creates a free and limited SAP HANA Cloud, data lake instance. The "hana-cloud-connection" plan connects an SAP HANA Cloud, SAP HANA database instance with an SAP HANA Cloud, data lake instance. The "Application Plans" tab is partially visible at the bottom.

SAP HANA Cloud
name: hana-cloud-trial | appName: hana-cloud-tools-trial

Overview **Service Plans** **Application Plans**

SAP HANA Cloud provides a single place to access, store, and process all enterprise data in real time. It is a cloud-native platform that reduces the complexity of multi-cloud or hybrid system landscapes. SAP HANA Cloud provides all of the advanced SAP HANA technologies for multi-model data processing in-memory or on disk. You can benefit from cloud qualities such as automatic software updates, elasticity, and low total cost of ownership by using SAP HANA Cloud either as a stand-alone solution or as an extension to your existing on-premise environment.

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

Service Plans

Choose a service plan to create an instance of this service.

Plan	Description	Environments	Active
hana	Creates a free and limited SAP HANA Cloud, SAP HANA database instance. These free tier instances have limit... More	Cloud Foundry, Kyma, Kubernetes, Other	...
relational-data-lake	Creates a free and limited SAP HANA Cloud, data lake instance. These free tier instances have limited... More	Cloud Foundry, Kyma, Kubernetes, Other	...
hana-cloud-connection	Connects an SAP HANA Cloud, SAP HANA database instance with an SAP HANA Cloud, data lake instance... More	Cloud Foundry, Kyma, Kubernetes, Other	...

Application Plans

Choose an application plan to create a subscription to this application.

Plan	Description	Availability	Active
tools	Creates and manages SAP HANA Cloud instances using	1	1 subscription

Create subscription for the SAP HANA Cloud service on the level of subaccount (choose plane “tools”:

New Instance or Subscription

1 Basic Info

Enter basic info for your instance or subscription.

Service: * [SAP HANA Cloud](#) [Can't find what you're looking for?](#)

Plan: * [tools](#)

Creates and manages SAP HANA Cloud instances using SAP HANA Cloud graphical tools. No additional costs are charged for using the SAP HANA Cloud graphical tools. [Subscribing to the SAP HANA Cloud Administration Tools](#)

[Create](#) [Cancel](#)

New service subscription created:

 Trial Home | 90c090f9trial | trial

Subaccount: trial - Instances and Subscriptions

All: 3

Service: Plan: Status:

All ▾ All ▾ All ▾

Subscriptions (2) Instances (0) Environments (1)

Create

Subscriptions (2)

Instances (0)

Environments (1)

Applications to which your subaccount is currently subscribed



Application	Plan	Changed On	Changed By 	Status	 >
SAP HANA Cloud	 tools	27 Nov 2024	rogovnatalia87@gmail.com	Subscribed	 >
SAP Business Application Studio	 trial	27 Nov 2024	CIS_TECHNICAL	Subscribed	 >

Instances (0)

Service instances created in: [Cloud Foundry](#) | [Kyma/Kubernetes](#) | [Other environment](#)



In order to perform the creation and maintenance activities at SAP HANA Cloud Central we should have necessary set of role collection assigned against our user:

The screenshot displays two views of the SAP HANA Cloud Central interface. On the left, the 'Users' section of the 'Security' menu is selected, showing a list of users under 'Subaccount: trial - Users'. One user, 'rogovnatalia87@gmail.com', is highlighted. On the right, a detailed view of this user's profile is shown, specifically the 'Role Collections' tab. This view lists various role collections with their names, descriptions, and actions. A blue box highlights the 'Assign Role Collection' button.

Subaccount: trial - Users

User Name	Identity Provider
rogovnatalia87@gmail.com	Default identity provider

rogovnatalia87@gmail.com

Role Collections

Name	Description	Action
Business_Application_Studio_Administrator	Allows administrators to manage (export and delete) user data.	X >
Business_Application_Studio_Developer	Allows developers to load and develop applications using SAP Business Application Studio.	X >
Business_Application_Studio_Extension_Deployer	Allows extension developers to deploy simple extensions.	X >
Cloud Connector Administrator	Operate the data transmission tunnels used by the Cloud Connector.	X >
Connectivity and Destination Administrator	Operate the data transmission tunnels used by the Cloud Connector and manage the destination configurations, certificates and subaccount trust.	X >
Destination Administrator	Manage the destination configurations, certificates and subaccount trust.	X >
SAP HANA Cloud Administrator	Create, update, delete access for SAP HANA Cloud service instance	X >
SAP HANA Cloud Security Administrator	Manage security-relevant aspects of SAP HANA Cloud	X >

In order to perform the creation and maintenance activities at SAP HANA Cloud Central we should have necessary set of role collection assigned against our user:

The screenshot shows a web browser window titled "9. Getting Started to Create SAP HANA Cloud DB Instances SAP HANA Cloud C" with a URL like "cockpit.hanatrial.ondemand.com/trial/#/globalaccount/55843ae2-f5b6-4438-8f56-bf0921d6114c/subaccount/8865e6b1-fe38-4296-bb61-ed796d9db3f0/usersOverview". The page is part of the SAP BTP Cockpit, specifically the Trial Home section. A prominent "SAP CloudMax" logo is in the top right corner.

The main content is a modal dialog titled "Assign Role Collection". It has a search bar containing "SAP HANA" and a list of three role collections:

Name	Description
<input type="checkbox"/> SAP HANA Cloud Administrator	Create, update, delete access for SAP HANA Cloud service instance
<input type="checkbox"/> SAP HANA Cloud Security Administrator	Manage security-relevant aspects of SAP HANA Cloud instances
<input type="checkbox"/> SAP HANA Cloud Viewer	Read access for SAP HANA Cloud service offering and service instance

At the bottom of the dialog are two buttons: "Assign Role Collection" (highlighted in blue) and "Cancel".

Access SAP HANA Cloud Central:

The screenshot shows the SAP HANA Cloud Central interface for a subaccount named "trial". The left sidebar contains navigation links: Overview, Services (selected), Service Marketplace, Instances and Subscriptions (selected), Cloud Foundry, HTML5 Applications, Connectivity, Security, Help and Support, Useful Links, and Legal Information. The main content area is titled "Subaccount: trial - Instances and Subscriptions" and displays "All: 3". It includes search and filter options: Search, All Services, All Plans, and All Statuses. Below these are tabs for Subscriptions (2), Instances (0), and Environments (1). The Subscriptions section lists two entries: "SAP HANA Cloud" and "SAP Business Application". The SAP HANA Cloud entry has a status of "Subscribed" and was created on March 26, 2024. The SAP Business Application entry also has a status of "Subscribed" and was created on March 19, 2024. The Instances section shows "Instances (0)". At the bottom, a footer bar displays service instances created in Cloud Foundry, Kyma/Kubernetes, and Other environments, with a URL fb1a63a0trial.hana-tooling.ingress.orchestration.trial-us10.hanacloud.ondemand.c... The footer also includes language settings (Off, English [Auto], Caption settings), a timestamp (10:00 AM), and system icons.

Subaccount: trial - Instances and Subscriptions

All: 3

Search All Services All Plans All Statuses

[Subscriptions \(2\)](#) [Instances \(0\)](#) [Environments \(1\)](#)

Applications to which your subaccount is currently subscribed

Application	Plan	Created On	Changed On	Status	Actions
SAP HANA Cloud	tools	26 Mar 2024	26 Mar 2024	Subscribed	...
SAP Business Application	trial	19 Mar 2024	19 Mar 2024	Subscribed	...

Instances (0)

Service instances created in: Cloud Foundry | Kyma/Kubernetes | Other environments

fb1a63a0trial.hana-tooling.ingress.orchestration.trial-us10.hanacloud.ondemand.c...

Off English [Auto] Caption settings

10:00 AM

1x 13:15 / 15:10

Access SAP HANA Cloud Central:

The screenshot shows the SAP HANA Cloud Central interface. The top navigation bar includes links like 'Welcome to Week 1...', 'SAP Easy Access', 'SAP S/4HANA - Lea...', 'Hello World - GitHub...', 'Archive of Ritual Ob...', 'MARGY...', 'API Reference - De...', '(25) How To Create...', 'First Web Dynpro D...', 'SAP Web Dynpro -...', and 'All Bookmarks'. The main title is 'SAP HANA Cloud Central' with a search bar 'Search Commands'. On the left, there's a sidebar with icons for Instances, Subaccounts, Roles, Notifications, and Help. The main content area is titled 'Instances' and shows 'All Instances'. It has filters for 'Search: Instance ID or name', 'State', 'Notifications', 'Type', and 'Version', with a 'Create Instance' button. Below the filters is a table header with columns: State, Name, Type, Version, Notifications, Runtime Environment, Memory, Storage, Compute, Scale-out, Replicas, Encryption, and Actions. A message 'No instances' is displayed at the bottom of the table.

Welcome to Week 1... SAP Easy Access SAP S/4HANA - Le... Hello World - GitHub... Archive of Ritual Ob... MARGY... API Reference - De... (25) How To Create... First Web Dynpro D... SAP Web Dynpro -... All Bookmarks

SAP HANA Cloud Central Search Commands

Instances Last refreshed at 7:39:37 PM

All Instances Create Instance

Search: State: Notifications: Type: Version: Adapt Filters

Instance ID or name

Instances (0) Subaccount Roles (12) Group Instances

State Name Type Version Notifications Runtime Environment Memory Storage Compute Scale-out Replicas Encryption Actions

No instances

What is SAP HANA Cloud Central:

10. Understanding SAP HANA Cloud Central

> SAP HANA Cloud

SAP HANA Cloud Central

❖ Main administration area for all SAP HANA Cloud instances.

- Create SAP HANA Cloud Instances
- Get an overview of all SAP HANA Cloud instances in a subaccount
- Check the status of an instance; Start / Stop instances
- Manage & Delete instances.
- Review notifications & View alerts in the Alerts tab
- Open the SAP HANA cockpit and SAP HANA database explorer for a particular instance
- Check the memory, compute & storage consumption
- Run queries in the SQL Console tab
- Perform SAP HANA database migrations



What is SAP HANA Cloud Central:

The screenshot shows the SAP HANA Cloud Central interface. The top navigation bar includes the SAP logo and the title "HANA Cloud Central". A search bar labeled "Search Commands" is also present. On the left, there is a vertical sidebar with icons for Instances, Catalog, Monitoring, and Help.

The main content area is titled "Instances / Create Instance" and is currently on the "Type" step, indicated by a blue tab with the number "1".

1. Type

Choose the type of a SAP HANA Cloud instance.

SAP HANA Cloud, SAP HANA Database (selected)

SAP HANA Cloud, Data Lake

SAP HANA Cloud, SAP HANA Database

SAP HANA Cloud, SAP HANA Database provides an in-memory and multi-model database system to store and analyze relational but also document data which allows for real-time data analytics and transactional processing in one combined system.

- In-memory database system
- Multi-model storage & processing engines
- Suitable for OLAP and OLTP workloads
- Hybrid Extension to on-premise SAP HANA systems
- Associated with a data lake instance

Runtime Environment

i The Cloud Foundry environment is enabled for this subaccount. To create an instance on Cloud Foundry, [Sign Into the Cloud Foundry Environment](#)

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

[Other Environments](#) [Cloud Foundry](#)

What is SAP HANA Cloud Central:

The screenshot shows the SAP HANA Cloud Central interface. At the top, there's a navigation bar with the SAP logo and the text "HANA Cloud Central". A search bar says "Search Commands". On the left, there's a sidebar with icons for Instances, Services, Data, and Help.

The main area is titled "Instances / Create Instance". A step counter "1 Type" is shown above a section titled "1. Type". The text "Choose the type of a SAP HANA Cloud instance." is displayed.

Two options are listed:

- "SAP HANA Cloud, SAP HANA Database"
- "SAP HANA Cloud, Data Lake" (this option is highlighted with a blue border)

To the right of the highlighted option, there's a detailed description of "SAP HANA Cloud, Data Lake":

SAP HANA Cloud, Data Lake

SAP HANA Cloud, data lake efficiently and securely stores, manages, and analyzes large amounts of structured, semi-structured and unstructured data.

- Manages access to files in the data lake through Files component
- High performance analysis for petabyte volumes of relational data with data lake Relational Engine

Choose SAP HANA Database & click NEXT:

SAP Welcome to Week 1... SAP Easy Access SAP S/4HANA - Le... GitHub Archive of Ritual Ob... MARCY... API Reference - De... (25) How To Create... First Web Dynpro D... SAP Web Dynpro -... All Bookmarks

SAP HANA Cloud Central Search Commands Instances / Create Instance 1 Type

1. Type

Choose the type of a SAP HANA Cloud instance.

SAP HANA Cloud, SAP HANA Database

SAP HANA Cloud, SAP HANA Database provides an in-memory and multi-model database system to store and analyze relational but also document data which allows for real-time data analytics and transactional processing in one combined system.

- In-memory database system
- Multi-model storage & processing engines
- Suitable for OLAP and OLTP workloads
- Hybrid Extension to on-premise SAP HANA systems
- Associated with a data lake instance

Runtime Environment

The Cloud Foundry environment is enabled for this subaccount. To create an instance on Cloud Foundry, [Sign Into the Cloud Foundry Environment](#)

After the instance has been created, you can no longer change its runtime environment.

Other Environments Cloud Foundry

Next Step Cancel

Fill required fields & click NEXT STEP:

Instances / Create Instance

1 Type 2 General 3 SAP HANA Database 4 SAP HANA Database Availability Zone and Replicas

2. General

Basics

Instance Name: * SHC_DB

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

Description: SAP HANA Cloud Database Instance

223 characters remaining

Administrator: DBADMIN

Administrator Password: *

Confirm Administrator Password: *

i DBADMIN and HDLADMIN passwords expire after 180 days.

Show password

Version

Version: 2024.28 (QRC 3/2024)

Maintained until Apr 17, 2025

It's not recommended to use DB admin as a user at every place, so we need to create a separate user, & with this particular system user we have to perform the database related & other activities on SAP Hana Cloud instances. Will be covered step by step farther.

1 Type

2 General

3 SAP HANA Database

4 SAP HANA Database Availability Zone and Replicas

5 SAP HANA Database Advanced... (Optional)

6 Data Lake

3. SAP HANA Database

Performance Class:

Memory

Compute-Memory Ratio:

1:16

Available Memory Range:

16 GB – 16 GB

i SAP HANA Cloud Trial instances have a fixed storage size and storage type.
For more information, follow [this hands-on tutorial](#).

Memory:*

 16 GB

Storage:*

 80 GB

Compute:

1 vCPUs

The number of vCPUs (compute) is automatically allocated according to the size of memory of your instance.

Maximum Available Data Tiering



16 GB SAP HANA Database In-memory
80 GB SAP HANA Database Disk

SAP HANA Capacity Units Estimator**Details****SAP HANA Database** (SHC_DB)

Memory	16 GB
Compute	1 vCPUs
Storage	80 GB
Replicas	0
Connections	IP addresses from Cloud Foundry in this BTP region
Cloud Connector	Disabled

Data Lake

Not selected

Create Now

Previous

Next Step

Cancel



4. SAP HANA Database Availability Zone and Replicas

⚠ Deploying replicas is not available for SAP HANA Cloud Trial instances.

Maximum Available Data Tiering



- 16 GB SAP HANA Database In-memory
- 80 GB SAP HANA Database Disk

🔗 SAP HANA Capacity Units Estimator

^ Details

SAP HANA Database (SHC_DB)

Memory	16 GB
Compute	1 vCPUs
Storage	80 GB
Replicas	0
Connections	IP addresses from Cloud Foundry in this BTP region
Cloud Connector	Disabled

Data Lake

Not selected

Create Now

Previous

Next Step

Cancel



5. SAP HANA Database Advanced Settings

Predictive Analysis Library (PAL)

SAP HANA Database Predictive Analysis Library (PAL) defines functions that can be called from within SQL calls or SQLScript to perform analytic tasks.

 PAL

Data Provisioning Server

Enable the Data Provisioning Server when using SAP HANA smart data integration (SDI) with this instance.

 Data Provisioning Server

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 IP addresses from Cloud Foundry in this BTP region

Allow all IP addresses

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

Cloud Connector

Allows the instance to connect to on-premise SAP HANA and SAP IQ databases.

Enable Cloud Connector:

Maximum Available Data Tiering



16 GB SAP HANA Database In-memory
80 GB SAP HANA Database Disk

SAP HANA Capacity Units Estimator

Details

SAP HANA Database (SHC_DB)

Memory	16 GB
Compute	1 vCPUs
Storage	80 GB
Replicas	0
Connections	All IP addresses
Cloud Connector	Disabled

Data Lake

Not selected

Create Now

Previous

Next Step

Cancel



6. 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.

Create Data Lake:



Basics

Instance Name: *

SHC_DL

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

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

Administrator:

HDLADMIN

Associated SAP HANA Database Instance:

SHC_DB



SAP HANA Capacity Units Estimator

Details

SAP HANA Database (SHC_DB)

Memory	16 GB
Compute	1 vCPUs
Storage	80 GB
Replicas	0
Connections	All IP addresses
Cloud Connector	Disabled

Data Lake (SHC_DL)

Connections IP addresses from Cloud Foundry in this BTP region

Data Lake Relational Engine

Compute	4 vCPUs
Coordinators	2 vCPUs
Workers	2 vCPUs × 1
Memory	32 GB
System Temporary Storage	900 GB
Storage	256 GB
Cloud Connector	Disabled
Automatic Backup	Disabled

Create Now

Previous

Next Step



7. Data Lake Relational Engine

Size

Coordinator:*

Workers:*

 × — 1 +

Compute:

4 vCPUs

Memory:

32 GB

System Temporary Storage:

900 GB

Storage:*

256 GB

Maximum Available Data Tiering



16 GB SAP HANA Database In-memory
80 GB SAP HANA Database Disk

SAP HANA Capacity Units Estimator

Details

SAP HANA Database (SHC_DB)

Memory	16 GB
Compute	1 vCPUs
Storage	80 GB
Replicas	0
Connections	All IP addresses
Cloud Connector	Disabled

Data Lake (SHC_DL)

Connections IP addresses from Cloud Foundry in this BTP region

Data Lake Relational Engine

Compute	4 vCPUs
Coordinators	2 vCPUs
Workers	2 vCPUs × 1
Memory	32 GB
System Temporary Storage	900 GB
Storage	256 GB
Cloud Connector	Disabled
Automatic Backup	Disabled

1

Create Now

Previous

Next Step

Cancel



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 dbisql.

Allowed connections:*

- Allow only IP addresses from Cloud Foundry in this BTP region
- Allow all IP addresses
- Allow specific IP addresses and IP ranges (in addition to Cloud Foundry in BTP)

Backup

Backup Database Automatically:

Disabled -

Cloud Connector

Allows the instance to connect to on-premise SAP HANA and SAP IQ databases.

Enable Cloud Connector:



Maximum Available Data Tiering



- 16 GB SAP HANA Database In-memory
- 80 GB SAP HANA Database Disk

SAP HANA Capacity Units Estimator

▲ Details

SAP HANA Database (SHC_DB)

Memory	16 GB
Compute	1 vCPUs
Storage	80 GB
Replicas	0
Connections	All IP addresses
Cloud Connector	Disabled

Data Lake (SHC_DL)

Connections	All IP addresses
-------------	------------------

Data Lake Relational Engine

Compute	4 vCPUs
Coordinators	2 vCPUs
Workers	2 vCPUs × 1
Memory	32 GB
System Temporary Storage	900 GB
Storage	256 GB
Cloud Connector	Disabled
Automatic Backup	Disabled

Previous

Review and Create

New Instance

SAP HANA Database Instance

General

[Edit](#)

Basics

Instance Name: SHC_DB

Description: SAP HANA Cloud Database Instance

User: DBADMIN

Password: ***** Show password

Version

Version: 2024.28 (QRC 3/2024)

Size

[Edit](#)

Performance Class: Memory

Total

Memory per Node: 16 GB

Memory: 16 GB (16 GB × 1)

Storage per Node: 80 GB

Compute: 1 vCPUs (1 vCPUs × 1)

Coordinator: 1

Storage: 80 GB (80 GB × 1)

Additional Workers: 0

Advanced Settings

[Edit](#)

Maximum Available Data Tiering



16 GB SAP HANA Database In-memory
80 GB SAP HANA Database Disk

[SAP HANA Capacity Units Estimator](#)[Details](#)

SAP HANA Database (SHC_DB)

Memory	16 GB
Compute	1 vCPUs
Storage	80 GB
Replicas	0
Connections	All IP addresses
Cloud Connector	Disabled

Data Lake (SHC_DL)

Connections	All IP addresses
-------------	------------------

Data Lake Relational Engine

Compute	4 vCPUs
Coordinators	2 vCPUs
Workers	2 vCPUs × 1
Memory	32 GB
System Temporary Storage	900 GB
Storage	256 GB
Cloud Connector	Disabled
Automatic Backup	Disabled

[Copy Configuration](#)[Create Instance](#)[Cancel](#)

New Instance

SAP HANA Database Instance

General

[Edit](#)

Basics

Instance Name: SHC_DB

Description: SAP HANA Cloud Database Instance

User: DBADMIN

Password: ***** Show password

Version

Version: 2024.28 (QRC 3/2024)

Size

[Edit](#)

Performance Class: Memory

Total

Memory per Node: 16 GB

Memory: 16 GB (16 GB × 1)

Storage per Node: 80 GB

Compute: 1 vCPUs (1 vCPUs × 1)

Coordinator: 1

Storage: 80 GB (80 GB × 1)

Additional Workers: 0

Advanced Settings

[Edit](#)

Maximum Available Data Tiering



16 GB SAP HANA Database In-memory
80 GB SAP HANA Database Disk

[SAP HANA Capacity Units Estimator](#)[Details](#)

SAP HANA Database (SHC_DB)

Memory	16 GB
Compute	1 vCPUs
Storage	80 GB
Replicas	0
Connections	All IP addresses
Cloud Connector	Disabled

Data Lake (SHC_DL)

Connections	All IP addresses
-------------	------------------

Data Lake Relational Engine

Compute	4 vCPUs
Coordinators	2 vCPUs
Workers	2 vCPUs × 1
Memory	32 GB
System Temporary Storage	900 GB
Storage	256 GB
Cloud Connector	Disabled
Automatic Backup	Disabled

[Copy Configuration](#)[Create Instance](#)[Cancel](#)

Instances

Last refreshed at 9:43:12 PM

All Instances ▼[Create Instance](#)

Search:

State:

Notifications:

Type:

Version:

Instance ID or name

[Adapt Filters](#)

Instances (2) Subaccount Roles (12)

 Group Instances

State	Name	Type	Version	Notifications	Runtime Environment	Memory	Storage	Compute	Scale-out	Replicas	Encryption	Actions
SAP HANA Cloud Database Instance												
Creating	SHC_DB	SAP HANA Database			Other Environments	16 GB	80 GB	1 vCPUs	1 node	0 replicas	SAP-managed	
Creating	SHC_DL	Data Lake Data Lake Relational Engine Component Enabled	2024.3.5006 (QRC 3/2024)		Other Environments		256 GB	2 vCPU Coordinator 2 vCPU Workers (1)			SAP-managed	

All Instances ▼[Create Instance](#)

Search:

State:

Notifications:

Type:

Version:

Instance ID or name



▼



Instances (2) Subaccount Roles (12)

 Group Instances

State	Name	Type	Version	Notifications	Runtime Environment	Memory	Storage	Compute	Scale-out	Replicas	Encryption	Actions
SAP HANA Cloud Database Instance												
✓ Running	SHC_DB	SAP HANA Database	2024.28.15 (QRC 3/2024)		Other Environments	16 GB	80 GB	1 vCPUs	1 node	0 replicas	SAP-managed	
✓ Running	SHC_DL	Data Lake Data Lake Relational Engine Component Enabled	2024.3.5006 (QRC 3/2024)		Other Environments		256 GB	2 vCPU Coordinator 2 vCPU Workers (1)			SAP-managed	

Subaccount: trial - Instances and Subscriptions

[Create](#)

All: 6

Service: Plan: Status:

Search



All

All

All

[Subscriptions \(2\)](#)
[Instances \(3\)](#)
[Environments \(1\)](#)

Applications to which your subaccount is currently subscribed



Application	Plan	Changed On	Changed By	Status	
SAP HANA Cloud	tools	27 Nov 2024	rogovnatalia87@gmail.com	Subscribed	... >
SAP Business Application Studio	trial	27 Nov 2024	CIS_TECHNICAL	Subscribed	... >

Instances (3)

 Service instances created in: [Cloud Foundry](#) | [Kyma/Kubernetes](#) | [Other environments](#)


Instance	Service	Plan	Runtime Environment	Scope	Credentials	Status	
SHC_DB	SAP HANA Cloud	hana	Other Environments			Created	... >
SHC_DB-conn	SAP HANA Cloud	hana-cloud-connection	Other Environments			Created	... >
SHC_DL	SAP HANA Cloud	relational-data-lake	Other Environments			Created	... >

Environments (1)

Manage Configuration of database instance in SAP HANA Central:

The screenshot shows the SAP HANA Cloud Central interface. On the left, there's a sidebar with icons for SAP, Instances, and other navigation. The main area is titled "All Instances" and displays a table with one row: "SAP HANA Cloud Database Instance" (Status: Running, Name: SHC_DB, Notifications: Other Environments, Runtime Environment: Other Environments, Memory: 16 GB, Storage: 80 GB). To the right of the table is a context menu titled "Manage Configuration". This menu includes options like "Add Data Lake", "Open SQL Console", "Copy SQL Endpoint", "Copy Instance ID", "Copy Configuration", "Apply Patch", "Upgrade", "Take Instance Snapshot", "Stop", "Start Recovery", "Recreate Instance", "Create Template to Clone Instance", "Reset DBADMIN Password", and "Delete". There are also links to "Open in SAP HANA Cockpit", "Open in SAP HANA Database Explorer", and "Open Supportability Tools for SAP HANA". A language dropdown at the bottom right shows "English [Auto]". The browser address bar shows the URL: <fb1a63a0trial.hana-tooling.ingress.orchestration.trial-us10.hanacloud.ondemand.com/hcs/sap/hana/cloud/index.html?#>.

14. HANA Cloud Instance Mapping in Manage Configuration SAP HANA Cloud C X +

fb1a63a0trial.hana-tooling.ingress.orchestration.trial-us10.hanacloud.ondemand.com/hcs/sap/hana/cloud/index.html?#

SAP Instances

All Instances

Search: Status: Notifications: Type:

Instance ID or name

Instances (1) Subaccount Roles (4)

Status	Name	Notifications	Runtime Environment	Memory	Storage	Co
Running	SHC_DB	Other Environments	Other Environments	16 GB	80 GB	1

Manage Configuration

- Add Data Lake
- Open SQL Console
- Copy SQL Endpoint
- Copy Instance ID
- Copy Configuration
- Apply Patch
- Upgrade
- Take Instance Snapshot
- Stop
- Start Recovery
- Recreate Instance
- Create Template to Clone Instance
- Reset DBADMIN Password
- Delete

Open in SAP HANA Cockpit
To monitor and administer

Open in SAP HANA Database Explorer
To develop and administer

Open Supportability Tools for SAP HANA
To analyze and troubleshoot

Off English [Auto] Caption settings >

Click “Instance Mapping”:

Instances / SHC_DB | ▾ / Manage Configuration

SHC_DB

SAP HANA Database

Maximum Available Data Tiering



SAP HANA Capacity Units Estimator

General Size Backup Availability Zone Connections Advanced Settings **Instance Mapping**

Runtime Environment

Other Environments

Basics

Instance Name: SHC_DB Administrator: DBADMIN

Description: SAP HANA Cloud Database Instance
223 characters remaining

Version

Release Cycle: Quarterly Version: 2024.28.15 (QRC 3/2024)

Maintained until Apr 17, 2025

Click “Add Mapping”:

Instances / SHC_DB | ▾ / Manage Configuration

SHC_DB

SAP HANA Database

Maximum Available Data Tiering



[SAP HANA Capacity Units Estimator](#)

General Size Backup Availability Zone Connections Advanced Settings Instance Mapping

Instance Mapping

i The Cloud Foundry environment is available for this subaccount. To see the list of related organizations and spaces on Cloud Foundry, [Sign Into the Cloud Foundry Environment](#)

Map your instance to an environment context to be able to create HDI containers in that context.

[Add Mapping](#)

Environment Type	Environment Instance ID	Environment Group
No data available		

We can create the instance mapping only with the organization greed. But this particular if our organization or the subaccount is containing the multiple spaces, in that case this particular mapping is valid for all spaces

> SAP HANA Cloud

SAP HANA Instance Mapping

Map SAP HANA database instance to the Environment (*Cloud Foundry or Kyma*) to create HDI containers

➤ Cloud Foundry – Enter Organization GUID & Space GUID

If you only specify Organization GUID then the DB Instance will get mapped to all Spaces in that Organization .



organization.

Copy in SAP BTP this part of the URL:(for thr particular space)

The screenshot shows the SAP BTP Cockpit interface. The top navigation bar includes links such as Trial Home, 90c090f9trial, trial, dev, Deploy Application, and a search bar. The main content area is titled "Space: dev - Applications" and displays a table with columns: Requested State, Name, Instances, Instance Disk, and Instance Memory. A message "No applications" is shown in the center of the table. On the left side, there is a sidebar with sections like Marketplace, Cloud, Groups, and Members.

demand.com/trial/#/globalaccount/38c9357f-cf26-49a9-b5aa-36048a37e1fa/subaccount/9cde66ef-9a89-46db-9744-1b0436f427ce/org/ce1d62e9-d75b-4066-907b-2eb830aa19c6/space/2f31e6bc-bf7c-4dbe-ad53-025f78e0b944/applications

SAP BTP Cockpit

Trial Home / 90c090f9trial / trial / dev

Space: dev - Applications

All: 0

Deploy Application

No applications

Requested State	Name	Instances	Instance Disk	Instance Memory

Save Changes

The following changes will be applied to this instance.

Do you want to continue?

Change	Current	New	Section
--------	---------	-----	---------

Instance Mapping

Instance Mapping	0	1	Instance Mapping
------------------	---	---	------------------

Update Mode:

- Apply changes without a restart
- Apply changes with a restart

Save Changes

Cancel

OPTION2: create SAP HANA Instance at space level(deprecated)

ALREADY NOT AVAILABLE!!!!