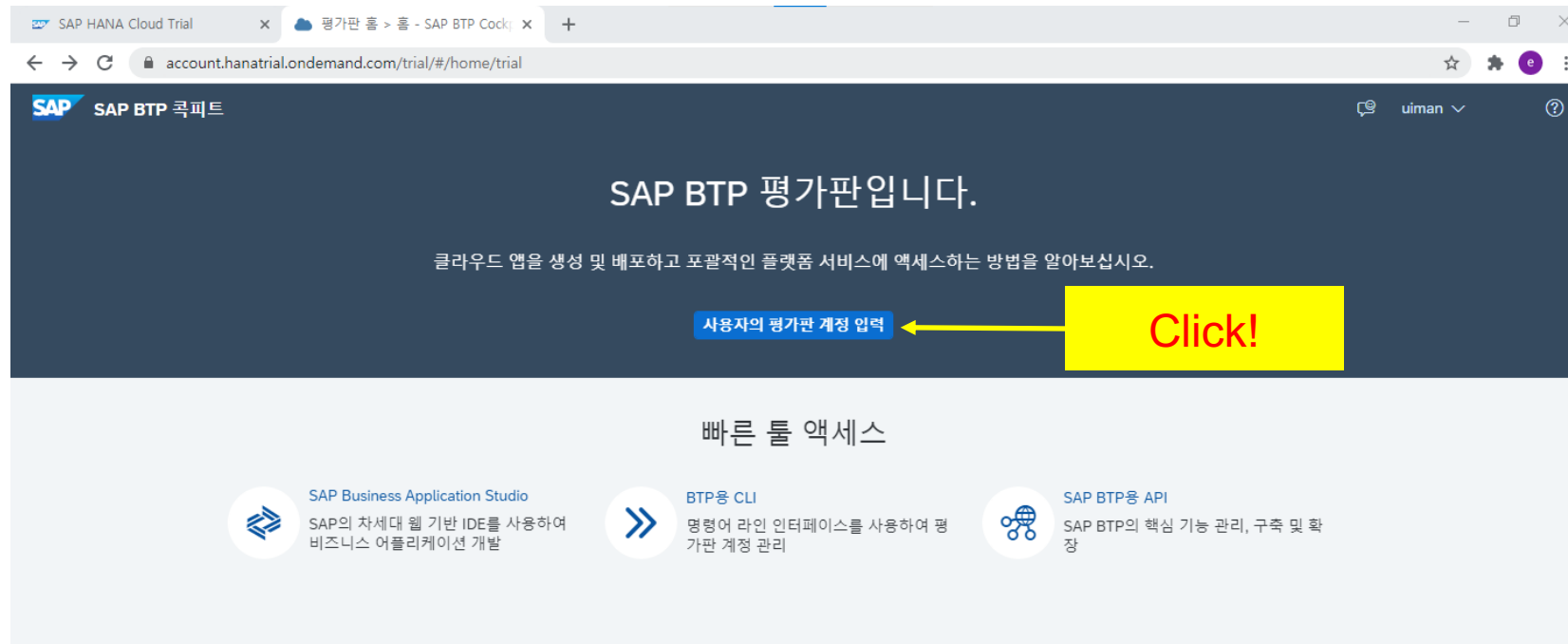


2. SAP HANA Cloud Instance & Tools



SAP HANA Cloud Trial 접속




SAP BTP Cockpit



SAP BTP Cockpit Homepage

- <https://account.hanatrial.ondemand.com/trial/#/home/trial>
- “사용자의 평가판 계정 입력” 버튼을 클릭

자습서 시작

 <p>Automate and Extend Employee Onboarding Extension Suite - Digital Process Automation</p>	 <p>Build a Business Application Using CAP for Node.js Extension Suite - Development Efficiency</p>	 <p>Create and Expose a CDS-Based Data Model With SAP BTP ABAP Environment Extension Suite - Development Efficiency</p>
Build and deploy an extension to the employee onboarding scenario from SAP SuccessFactors using Workflow, Business	Develop a business application using SAP Cloud Application Programming Model (CAP)	Get to know the ABAP RESTful Application Programming Model by creating and

SAP HANA Cloud Trial 접속

SAP BTP Cockpit

평가판 홈 > c7e5fe79trial > 하위 계정

account.hanatrial.ondemand.com/trial/#/globalaccount/fafc1b40-1c43-4dc8-850d-675165f5a965/subaccounts

SAP BTP 콕핏

하위 계정

평가판 홈 / c7e5fe79trial

글로벌 계정: c7e5fe79trial - 하위 계정

하위 도메인: c7e5fe79trial-ga

모두: 1

신규 하위 계정 글로벌 계정 전환 평가판 계정 삭제

모든 환경 모든 데이터 센터 하위 계정 검색

trial

프로바이더: Amazon Web Services(AWS)

지역: 미국 동부(VA)

네트워크: 없음

환경: 다중 환경

Click!

글로벌 계정과 하위 계정 간의 관계를 이해하고 계정 모델 설정에 대한 권장사항을 확인하십시오.

유용한 링크

https://account.hanatrial.ondemand.com/trial/

Global Account

- “trial” 타일을 클릭

SAP HANA Cloud Trial 접속

SAP BTP Cockpit

평가판 홈 > c7e5fe79trial > trial x

account.hanatrial.ondemand.com/trial/#/globalaccount/fafc1b40-1c43-4dc8-850d-675165f5a965/subaccount/37ff3bf3-4f9a-4dc9-88aa-fc4d773bd361/subaccountoverview

SAP BTP 콕핏

개요

서비스

등록

Cloud Foundry

연결

보안

인타이틀먼트

사용 Analytics

하위 계정: trial

하위 도메인: c7e5fe79trial

ID: 37ff3bf3-4f9a-4dc9-88aa-fc4d773bd361

하위 계정 삭제

Cloud Foundry 환경

Kyma 환경

인타이틀먼트

조직 이름: c7e5fe79trial

조직 ID: e88802a8-87eb-4069-9ed7-50563c2caf8c

멤버: 1

API 엔드포인트: https://api.cf.us10.hana.ondemand.com

공간(1)

공간 생성

이름

dev

Click!

Cloud Foundry 사용 안 함

Kyma 환경

현재 Kyma 기능을 사용하고 있지 않습니다.

Kyma 사용

인타이틀먼트

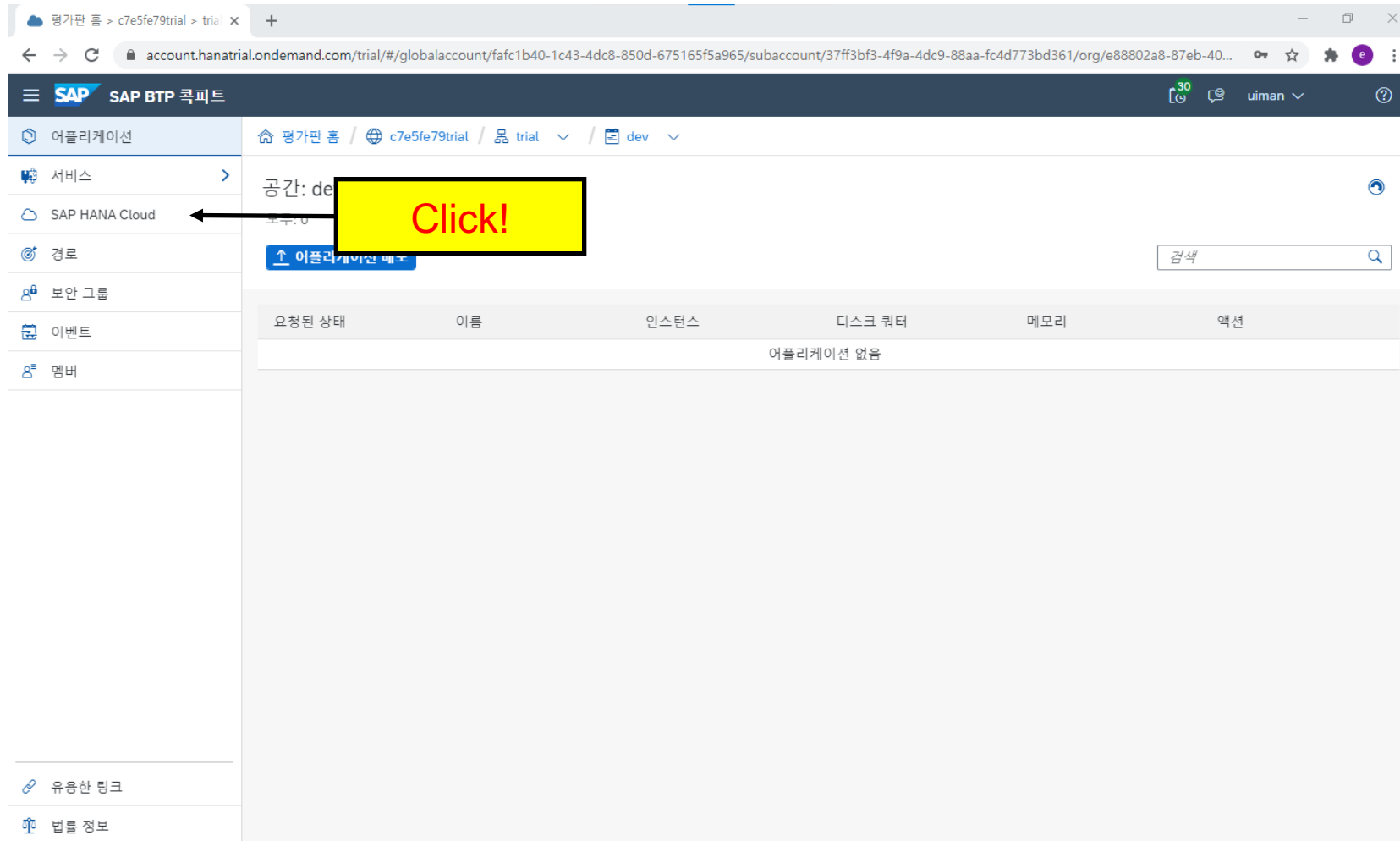
서비스	서비스 계획	쿼터 지정
감사 로그 뷰어	Audit Log Viewer	1
거기 토지	표지	1

Sub Account : trial

- “dev” Space(공간)을 클릭

SAP HANA Cloud Trial 접속

SAP BTP Cockpit



Space : dev

- “SAP HANA Cloud” 메뉴를 클릭

SAP HANA Cloud Trial 접속

SAP HANA Cloud 인스턴스 관리자

The screenshot shows the SAP HANA Cloud Central interface. The left sidebar contains the 'Instances' menu. The main area is titled 'All Instances' and includes a search bar and filter options. The table below lists the instances:

Status	Name	Type	Notifications	Storage	Cost
RUNNING	myhana	SAP HANA		30 GB Memory 120 GB Storage	2 vCPU
RUNNING	myrdl	Data Lake		1 TB	2 vCPU

The context menu for the 'myhana' instance includes the following options:

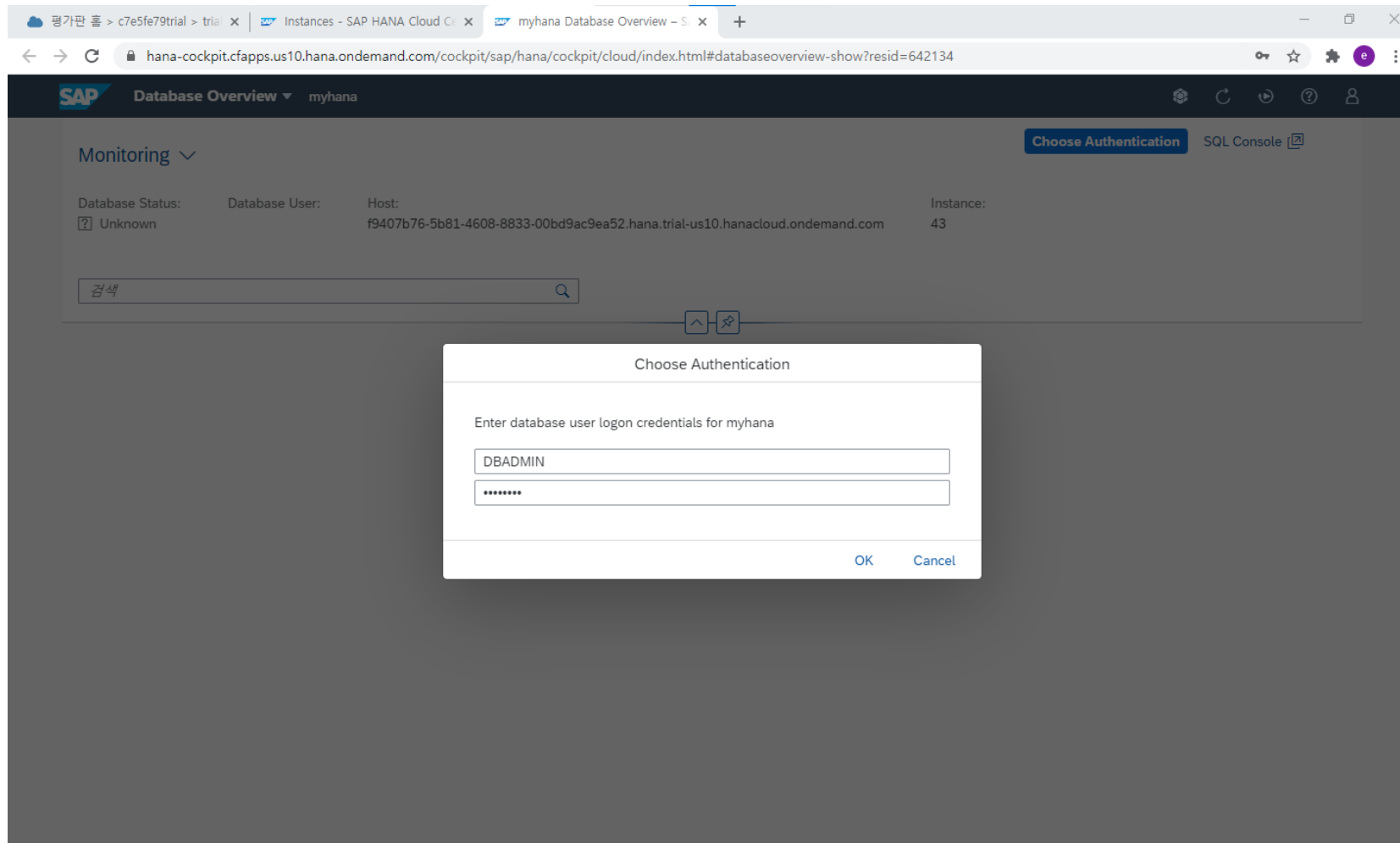
- Edit
- Add Data Lake
- Copy SQL Endpoint
- Copy Instance ID
- Stop
- Upgrade
- Delete
- Open in SAP HANA Cockpit** (To monitor and administer)
- Open in SAP HANA Database Explorer (To develop and administer)
- Open SQL Console (In SAP HANA Database Explorer)

SAP HANA Cloud 인스턴스 관리자

- myhana 인스턴스의 “Actions” 컬럼을 클릭
- Popup 메뉴에서 “**Open in SAP HANA Cockpit**”을 클릭

SAP HANA Cockpit

DB 계정 정보 입력

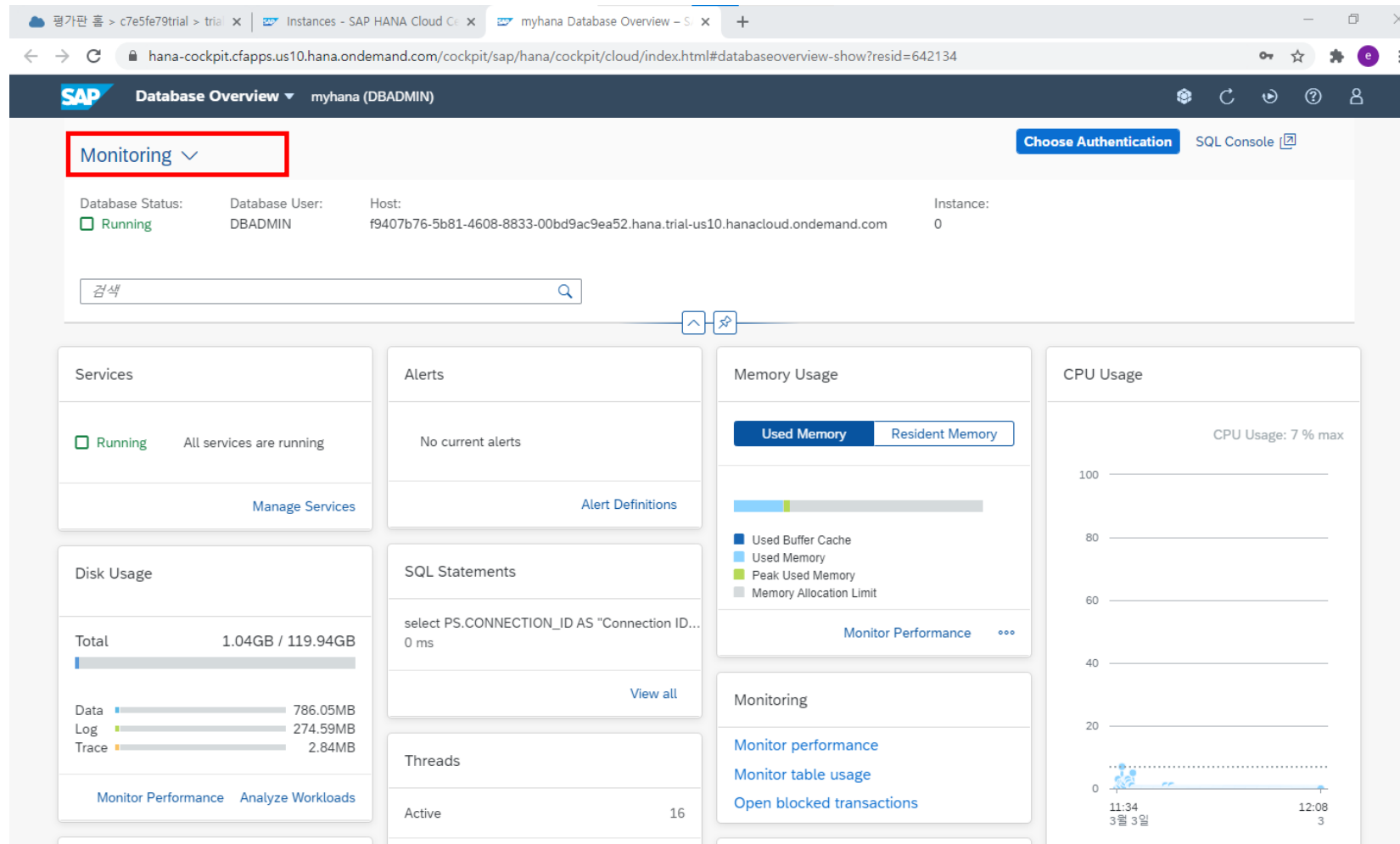


SAP HANA Cockpit

- ID : DBADMIN
- Password : myhana 인스턴스 생성 시 입력한 암호

SAP HANA Cockpit

Monitoring



SAP HANA Cockpit

- 왼쪽 상단 메뉴에서 “Monitoring” 선택
- 아래 각 Tile을 클릭하면 세부 정보 조회
- Services
- Memory Usage
- CPU Usage
- Disk Usage

SAP HANA Cockpit

Administration

The screenshot displays the SAP HANA Cockpit Administration interface. At the top, the 'Administration' menu is highlighted with a red box. Below the header, the 'Database Overview' section shows the following details:

- Database Status: Running
- Database User: DBADMIN
- Host: f9407b76-5b81-4608-8833-00bd9ac9ea52.hana.trial-us10.hanacloud.ondemand.com
- Instance: 0

The main content area is divided into several tiles:

- Database Backups:** Last Full Data Backup: 21. 3. 9. AM 2:15. Complete Data Backup Started at: 21. 3. 9. AM 2:15. Successful
- Smart Data Integration:** Data Provisioning Agents (Disconnected 0/0), Remote Sources (Suspended 0/0, Error 0/0), Design Time Objects (Last Execution Failed 0/0), Remote Subscriptions (Error 0/0, Suspended 0/0).
- Database Administration:** Manage database configuration, Database Explorer, Manage workload classes.
- Database Information:** SAP HANA Version: 4.00.000.00.1614096376, Last Update: 2021. 3. 3. AM 11:35:13, Installed Plugins: SAP_AFL_SDK_APL, PAL.
- Manage SQL Performance:** Statement Hints (Registered hints 0, Enabled hints 0), Saved Plans (Executed plans 0, Prepared/cached plans 0), Data Cache (Procedure Result Cache 0, Static Result Cache 0, Dynamic Result Cache 0).
- Recommendations:** Ad Hoc (Collect), Physical Design (Collect), SQL (Collect).
- Alerting and Diagnostics:** Alert Definitions, View trace and diagnostic files.
- Smart Data Access:** All Statements (0), Active Connections (0).

SAP HANA Cockpit

- 왼쪽 상단 메뉴에서 “Administration” 선택
- 아래 각 Tile을 클릭하면 세부 정보 조회

SAP HANA Cockpit

Administration

Backup Catalog - H00

From: 2021. 3. 3. AM 11:42:28
To: 2021. 3. 14. AM 8:12:03

Space Used for each Backup Type
27% 71%

Current Catalog Size: 367.64 KB

Filtered by: Start Time (Last four weeks)

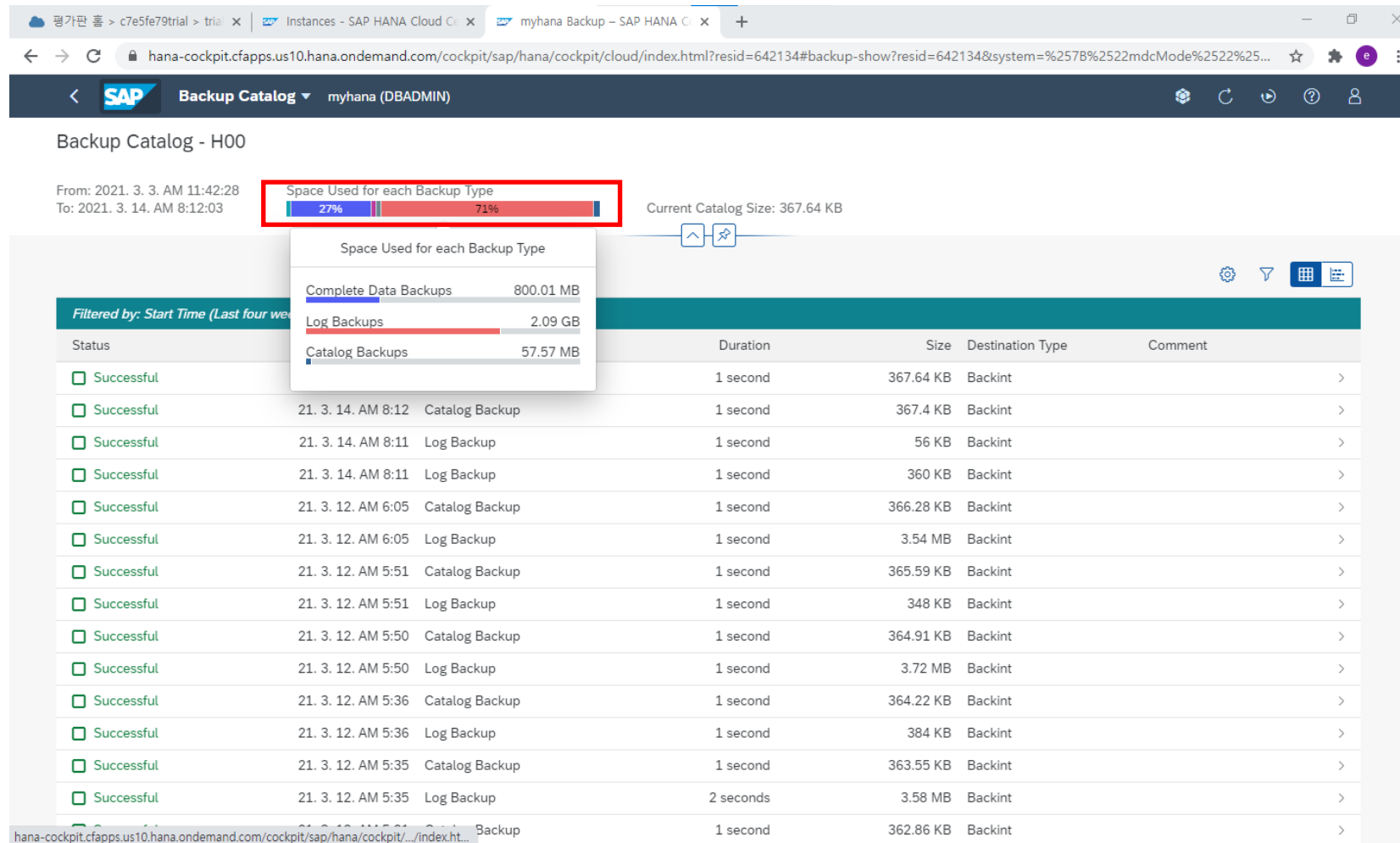
Status	Start Time	Backup Type	Duration	Size	Destination Type	Comment
Successful	21. 3. 14. AM 8:12	Catalog Backup	1 second	367.64 KB	Backint	>
Successful	21. 3. 14. AM 8:12	Catalog Backup	1 second	367.4 KB	Backint	>
Successful	21. 3. 14. AM 8:11	Log Backup	1 second	56 KB	Backint	>
Successful	21. 3. 14. AM 8:11	Log Backup	1 second	360 KB	Backint	>
Successful	21. 3. 12. AM 6:05	Catalog Backup	1 second	366.28 KB	Backint	>
Successful	21. 3. 12. AM 6:05	Log Backup	1 second	3.54 MB	Backint	>
Successful	21. 3. 12. AM 5:51	Catalog Backup	1 second	365.59 KB	Backint	>
Successful	21. 3. 12. AM 5:51	Log Backup	1 second	348 KB	Backint	>
Successful	21. 3. 12. AM 5:50	Catalog Backup	1 second	364.91 KB	Backint	>
Successful	21. 3. 12. AM 5:50	Log Backup	1 second	3.72 MB	Backint	>
Successful	21. 3. 12. AM 5:36	Catalog Backup	1 second	364.22 KB	Backint	>
Successful	21. 3. 12. AM 5:36	Log Backup	1 second	384 KB	Backint	>
Successful	21. 3. 12. AM 5:35	Catalog Backup	1 second	363.55 KB	Backint	>
Successful	21. 3. 12. AM 5:35	Log Backup	2 seconds	3.58 MB	Backint	>
Successful	21. 3. 12. AM 5:31	Catalog Backup	1 second	362.86 KB	Backint	>

SAP HANA Cockpit

- 이전 “Administration” 화면에서 “Database Backup” 타일 선택
- Backup Catalog 조회

SAP HANA Cockpit

Administration



SAP HANA Cockpit

- Bar Chart 선택
- Backup Type 별 사이즈 조회

SAP HANA Cockpit

Administration

The screenshot displays the SAP HANA Cockpit Administration interface. The browser address bar shows the URL: `hana-cockpit.cfapps.us10.hana.ondemand.com/cockpit/sap/hana/cockpit/cloud/index.html?resid=642134#generalinformation-show?resid=642134`. The page title is "myhana (DBADMIN)".

Under the "myhana" heading, the status is "Running" (indicated by a green square). The user is "DBADMIN" and the host is "f9407b76-5b81-4608-8833-00bd9ac9ea52.hana.trial-us10.hanacloud.ondemand.com". The description is empty.

The "General Information" tab is selected, showing the following details:

Property	Value
Start Time:	2021. 3. 14. AM 8:11:43
Time Zone Offset:	0
Start Time of First Started Service:	2021. 3. 14. AM 8:11:43
Multiple Hosts:	No
Start Time of Most Recently Started Service:	2021. 3. 14. AM 8:12:03
Database Mode:	Multitenant Database Container (MDC)
Time Zone Name:	UTC
System Replication Configured:	No
SAP HANA Version:	4.00.000.00.1614096376 (fa/CE2020.48, Cloud Edition 2020.48.10)
Revision:	0
Patch Level:	0

The "SAP HANA Version" field is highlighted with a red box.

Below the "General Information" tab, the "SAP HANA Version History" tab is selected, showing a table with the following data:

Version	Installation Time
4.00.000.00.1614096376	2021. 3. 3. AM 11:35:13

The "Installed Plugins" tab is also visible, showing a table with the following data:

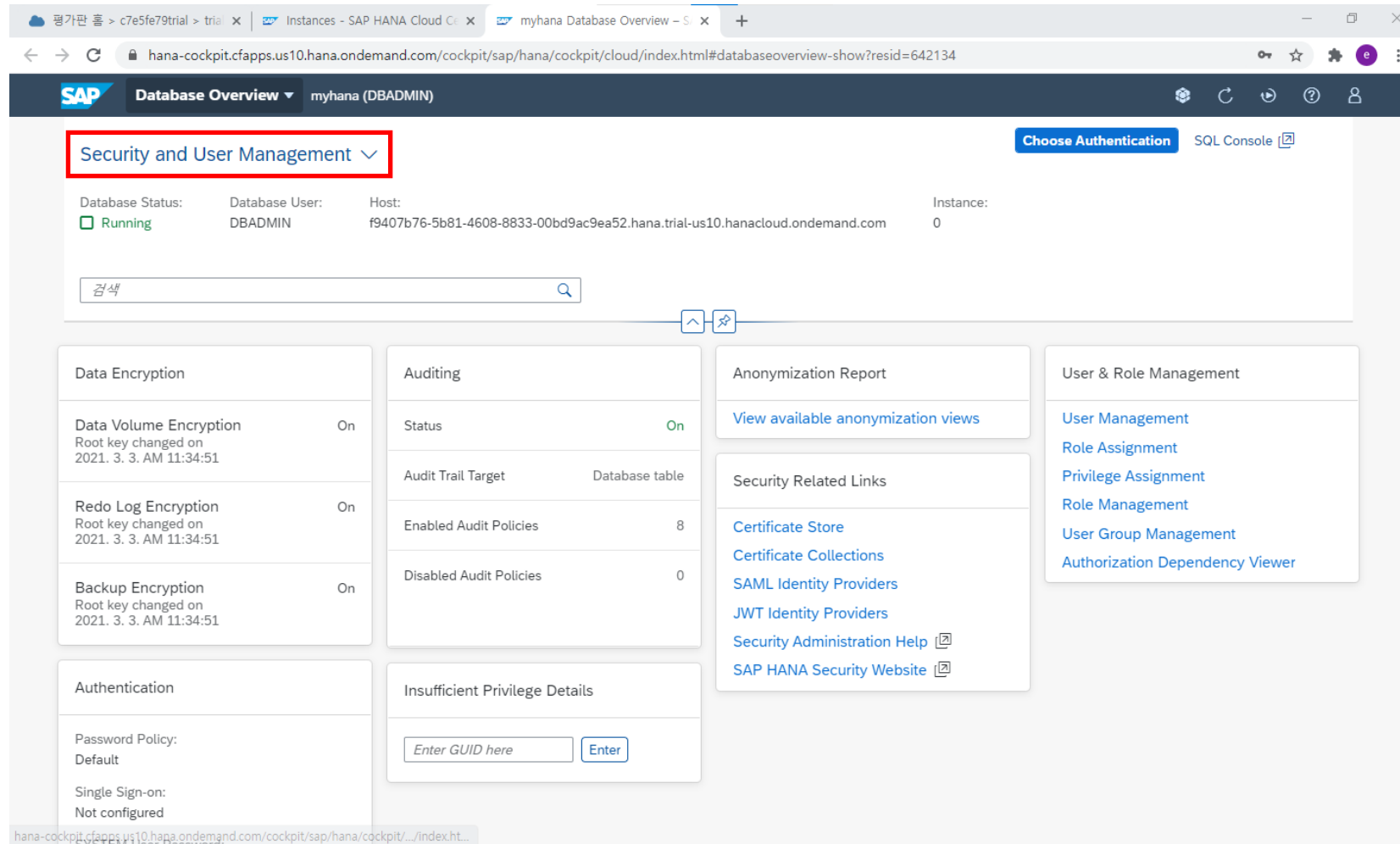
Plugin	Key	Value
--------	-----	-------

SAP HANA Cockpit

- 이전 “Administration” 화면에서 “Database Information” 타일 선택
- Database 정보 조회(버전 등)

SAP HANA Cockpit

Security and User Management

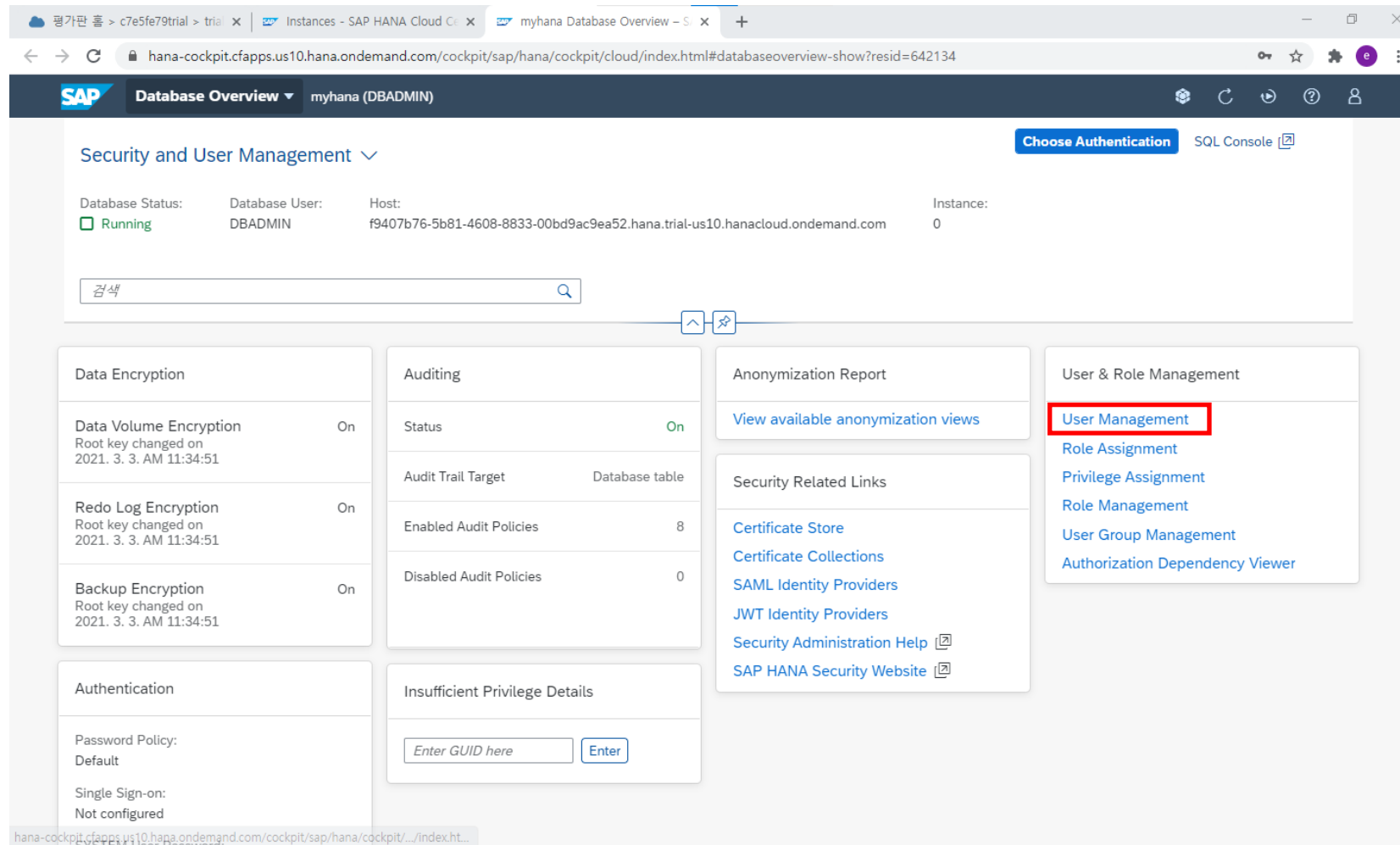


SAP HANA Cockpit

- 왼쪽 상단 메뉴에서 “Security and User Management” 선택
- 아래 각 Tile을 클릭하면 세부 정보 조회
- User Management

SAP HANA Cockpit

User 생성



SAP HANA Cockpit

- Security and User Management 화면
- “User Management” 클릭

SAP HANA Cockpit

User 생성

The screenshot shows the SAP HANA Cockpit User Management interface. The left sidebar displays a list of users, including 'BROKER_PO_USER', 'BROKER_USER', and 'DBADMIN'. A red box highlights the '+' icon next to the 'Users (24)' header, with a yellow box labeled 'Click!' and an arrow pointing to it. The main area shows the details for 'BROKER_PO_USER', including its state (Deactivated), user name, valid from date, and creation details. The 'AUTHORIZATION MODE' section shows 'Local'.

SAP HANA Cockpit

- “+” 클릭

SAP HANA Cockpit

User 생성

The screenshot shows the SAP HANA Cockpit User Management interface. The left sidebar contains a 'Users' section with a search bar and a list of users. The main area displays the details for the 'BROKER_PO_USER' user, including their state (Deactivated), authentication method, and various properties. A red box highlights the 'Create User' button in the left sidebar, and a yellow callout with the text 'Click!' points to it.

Users

User state:

Authentication method:

User Groups:

JWT Providers:

SAML Providers:

Create User

Create Restricted User

Users (24)

User Name
BROKER_PO_USER
BROKER_USER
DBADMIN

User Name: BROKER_PO_USER

Deactivated

General Information

Authorization Mode

Authentication

Custom User Properties

User Name: BROKER_PO_USER

Creation of Objects in Own Schema: Yes

PUBLIC role: Yes

Disable ODBC/JDBC Access: No

Creator: SYSTEM

Created At: 21. 3. 3. PM 8:41

Comment:

Assign Roles

Assign Privileges

AUTHORIZATION MODE

Authorization Mode: Local

SAP HANA Cockpit

- “Create User” 클릭

SAP HANA Cockpit

User 생성

The screenshot displays the SAP HANA Cockpit User Management interface. The left sidebar shows a list of users, including 'BROKER_PO_USER', 'BROKER_USER', and 'DBADMIN'. The main area is titled 'Create User' and contains several tabs: 'General Information', 'Authorization Mode', 'Authentication', and 'Custom User Properties'. The 'General Information' tab is active, showing fields for 'User Name' (highlighted with a red box and containing 'DEVUSER'), 'User Group' (set to 'DEFAULT'), 'E-mail', 'Valid From', 'Valid To', 'Creation of Objects in Own Schema' (set to 'Yes'), 'PUBLIC role' (set to 'Yes'), 'Disable ODBC/JDBC Access' (set to 'No'), and a 'Comment' field. Below the 'General Information' tab, the 'AUTHORIZATION MODE' section shows 'Authorization Mode' set to 'Local'. The 'AUTHENTICATION' section is partially visible at the bottom. The interface includes a 'Save' button and a 'Cancel' button at the bottom right.

SAP HANA Cockpit

- User Name : **DEVUSER**

SAP HANA Cockpit

User 생성

The screenshot shows the SAP HANA Cockpit User Management interface. The 'Create User' form is open, and the 'Authorization Mode' tab is selected. The 'Authentication Mechanism' section is highlighted with a red box, showing the following configuration:

- Authentication Mechanism:** ☒ Password
- Mode:** ☒ Local ☐ LDAP
- *Password:** [Redacted]
- *Password Confirmation:** [Redacted]
- *Force Password Change on Next Logon:** ☐ Yes ☒ No

Below the highlighted section, there is a checkbox for 'SAML - You must add at least one identity provider' and a link 'Add SAML Identity'. At the bottom right, there are 'Save' and 'Cancel' buttons.

SAP HANA Cockpit

- Password 옵션 선택
- Password : **Welcome01**
- Password Confirmation : **Welcome01**
- Force Password Change on Next Logon 옵션은 “**No**”을 선택
- “Save” 버튼 클릭

SAP HANA Cockpit

User 생성

The screenshot displays the SAP HANA Cockpit User Management interface. On the left, a list of users is shown, with 'DEVUSER' highlighted in a red box. The main panel on the right shows the details for 'DEVUSER', including its status (Active), user group (DEFAULT), and user status (Active). The 'General Information' tab is selected, showing fields like 'User Name: DEVUSER', 'User Group: DEFAULT', 'Valid From: 21. 3. 3. PM 9:19', and 'Last Successful Logon: Never'. The 'AUTHORIZATION MODE' section shows 'Authorization Mode: Local'. At the bottom right, there are links for 'Assign Roles' and 'Assign Privileges'.

SAP HANA Cockpit

- User 리스트에서 “DEVUSER” 선택하면
관련 정보 조회

SAP HANA Cloud Trial 접속

SAP HANA Cloud 인스턴스 관리자

The screenshot displays the SAP HANA Cloud Central interface. The left sidebar shows the 'Instances' menu. The main area is titled 'All Instances' and includes a search bar and filter options. The table below lists the instances:

Status	Name	Type	Notifications	Storage	Cost
HANA Instance					
RUNNING	myhana	SAP HANA		30 GB Memory 120 GB Storage	2 vCPU
RUNNING	myrdl	Data Lake		1 TB	2 vCPU

The context menu for the 'myrdl' instance is open, showing the following options:

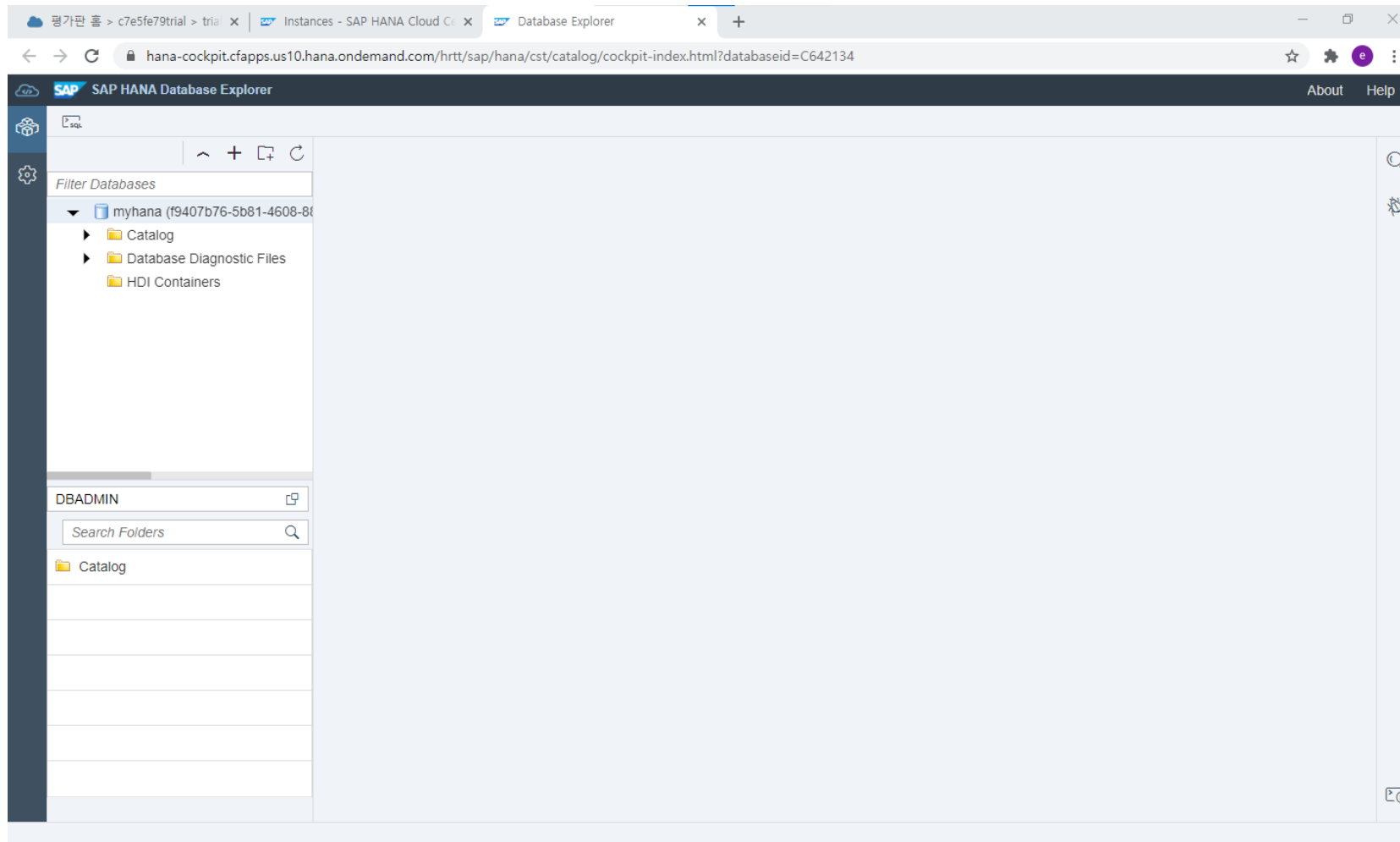
- Edit
- Add Data Lake
- Copy SQL Endpoint
- Copy Instance ID
- Stop
- Upgrade
- Delete
- Open in SAP HANA Cockpit
To monitor and administer
- Open in SAP HANA Database Explorer
To develop and administer**
- Open SQL Console
In SAP HANA Database Explorer

SAP HANA Cloud 인스턴스 관리자

- myhana 인스턴스의 “Actions” 컬럼을 클릭
- Popup 메뉴에서 “**Open in SAP HANA Database Explorer**”을 클릭

SAP HANA Database Explorer

초기 화면



SAP HANA Database Explorer

- myhana 인스턴스의 “Actions” 컬럼을 클릭
- Popup 메뉴에서 “**Open in SAP HANA Database Explorer**”을 클릭