## Community

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# Steps to create database, tables in SAP HANA Cloud Platform (formerly HCP).

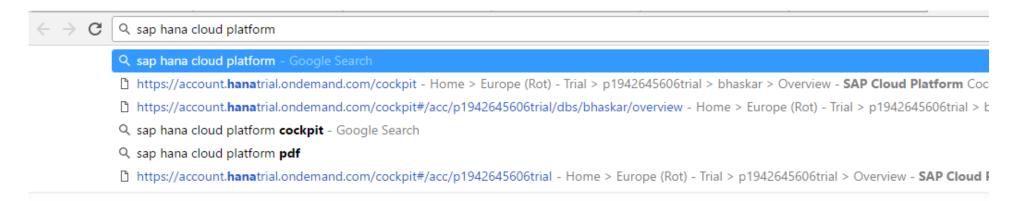
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First of all you need an account in SAP Cloud Platform (SAP CP), for that follow the below steps.

Step 1:

Go to Google and type SAP Hana Cloud Platform.





Search Google or type URL



Step 2:

Click on HANA Trial- cloud.

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#### HANA Trial - Cloud

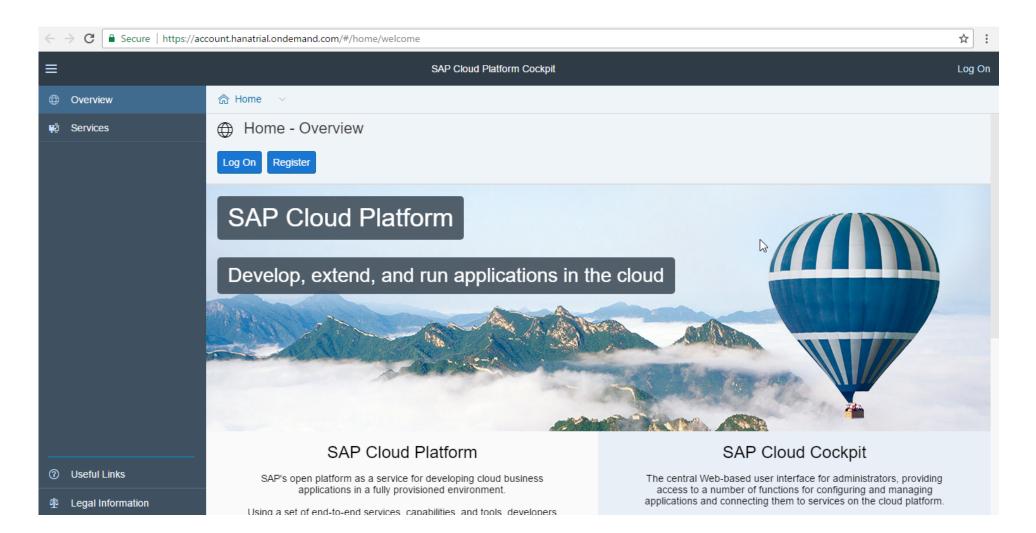
https://account.hanatrial.ondemand.com/ • SAP Cloud Platform Cockpit is loading, please wait... SAP Cloud Platform Cockpit cannot be displayed because JavaScript is not enabled; please enable ...

## SAP Cloud Platform: Log On - HANA Trial

https://account.hanatrial.ondemand.com/cockpit • SAP Cloud Platform. Log On. E-mail, ID, or User Name. Password. Log On. Register · Forgot password? Sap ias logo powered by.

#### Step 3:

Then you find a page like the below:



Step 4:

Click on Register. Then a page is opened like below.

# Registration

# First Name Last Name\* E-Mail\* Set Password Password\* Re-Enter Password\* Contact Preferences In addition to communications that will result from this registration, would you also like to receive news and event notifications from SAP that are specific to your interests? By e-mail\* Yes No

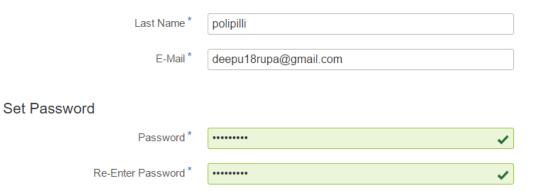
Step 5:

Enter your details over there and accept the terms and conditions by selecting the two options which are under "Terms&Conditions.

First Name

# Registration

#### Tell Us About Yourself



#### **Contact Preferences**

In addition to communications that will result from this registration, would you also like to receive news and event notifications from SAP that are specific to your interests?

deepthi

By e-mail\* Yes

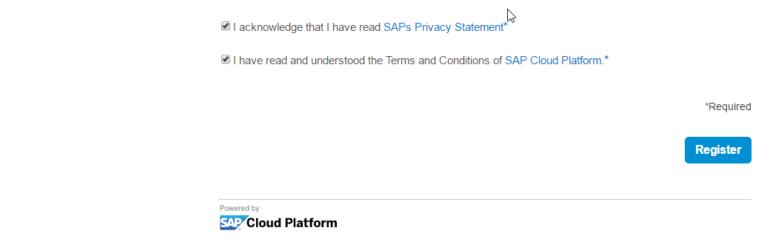
O No

#### **Contact Preferences**

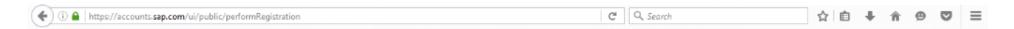
In addition to communications that will result from this registration, would you also like to receive news and event notifications from SAP that are specific to your interests?

By e-mail\* Yes O No By telephone\* Yes No

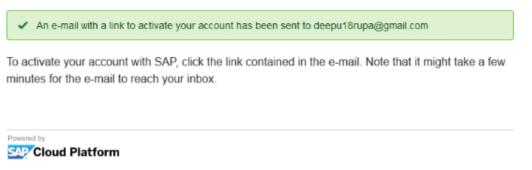
#### Terms and Conditions



Then you have got a screen like below.



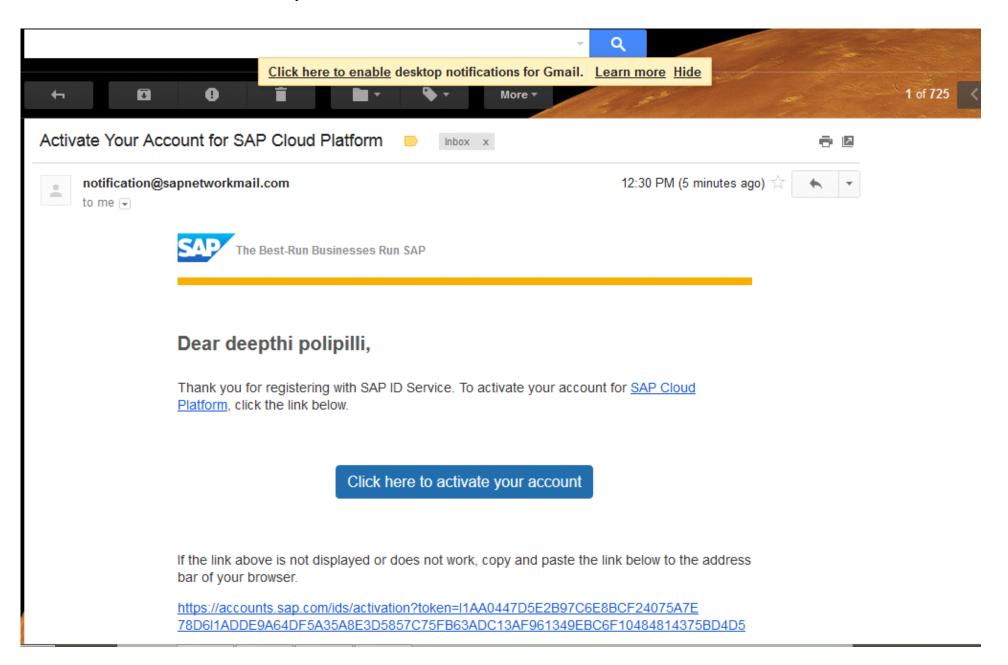
# Thank you for registering with SAP.



#### Step 6:

Then a link is generated and you have got a mail, consisting of that link from SAP.

Click on the button "Click here to activate your account".



Then you have got a page like below and click on "continue".

# Account Successfully Activated



✓ Thank you for registering and activating your account deepu18rupa@gmail.com with SAP.

This account can also be used to access other SAP platforms such as SAP.com, SAP Community Network, and SAP Cloud applications.



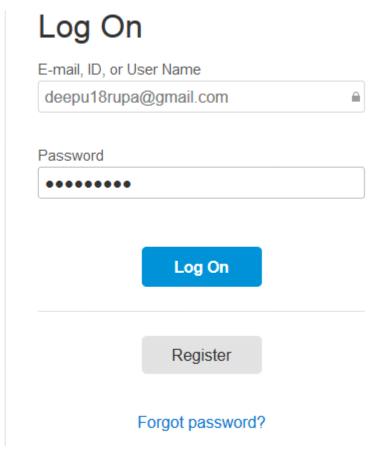


## Step 8:

You will get a "Logon" Page like below. (Provide your logon details in the corresponding fields like username, password).

Click on "Logon".

## SAP Cloud Platform

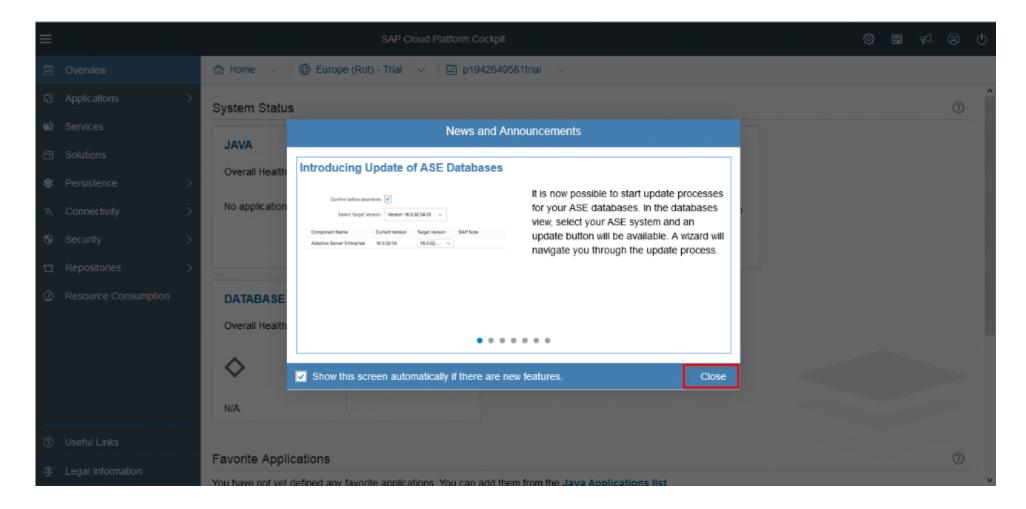


Powered by Cloud Platform

## Step 9:

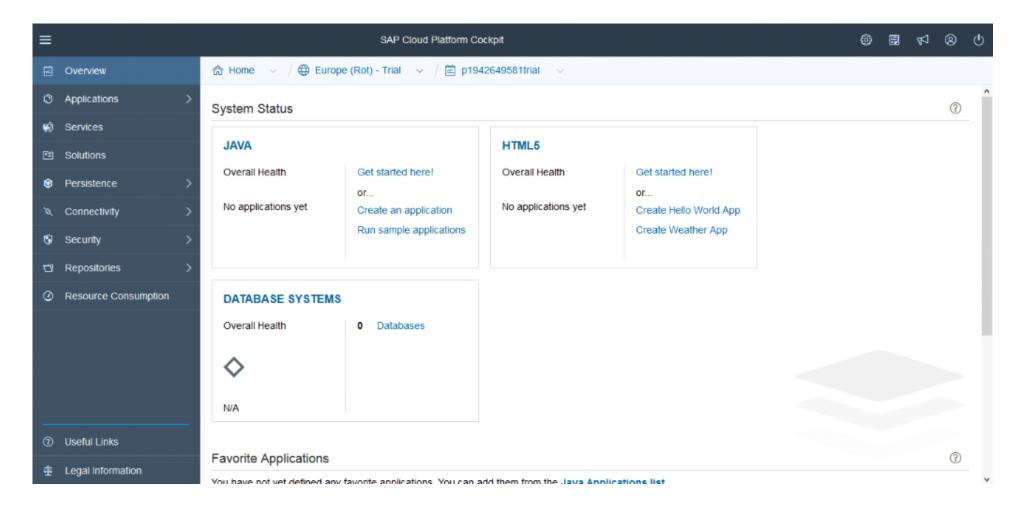
Then you will get a message like-SAP CP Cockpit is loading.....

and a window is opened like the below image. Click on "close".



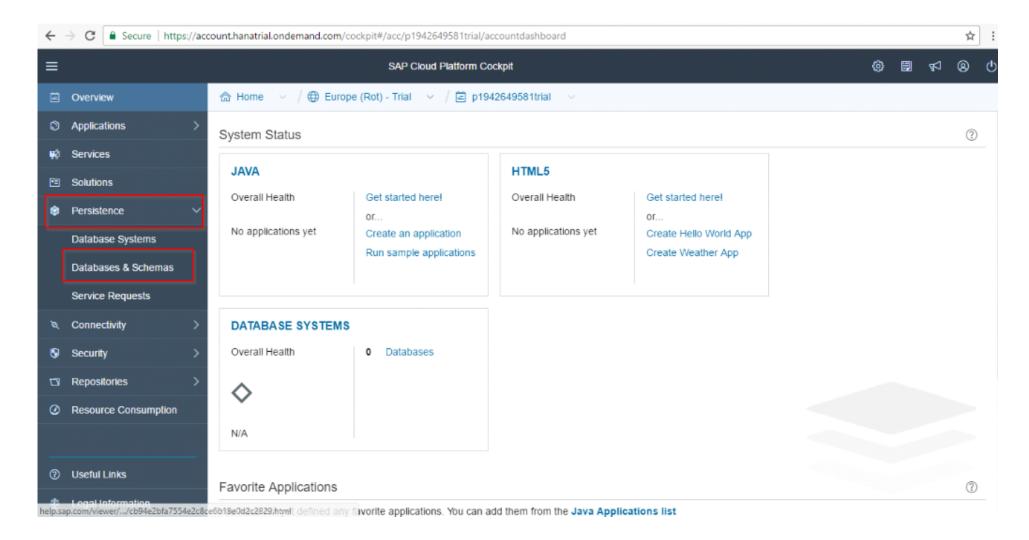
Step 10:

After click on the "Close" button the webpage appears like below.



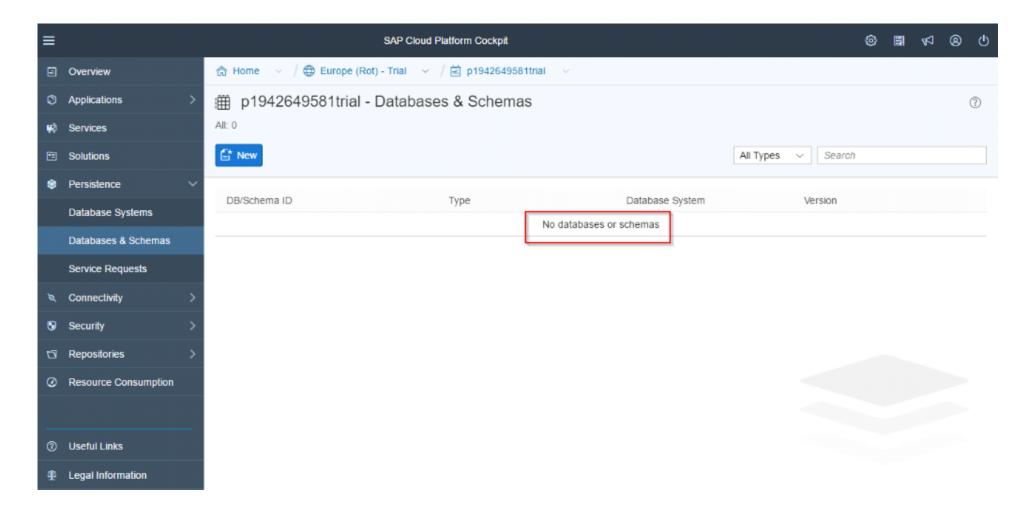
Step 11:

In Overview->Click on Persistance->select "Databases&Schemas".



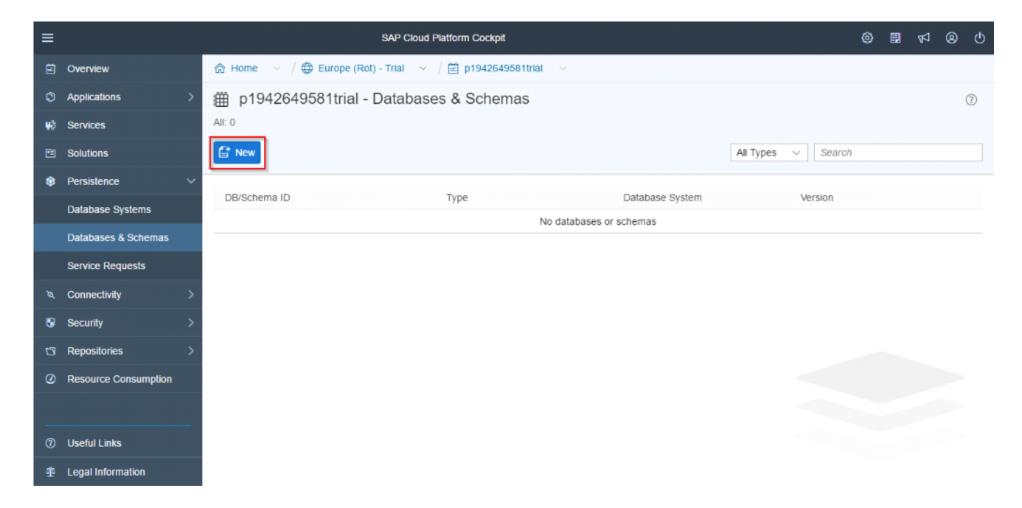
Step 12:

Click on Databases&Schemas. Then you found a window like below, which doesn't contains any databases and schemas like "NO DATABASES OR SCHEMAS".



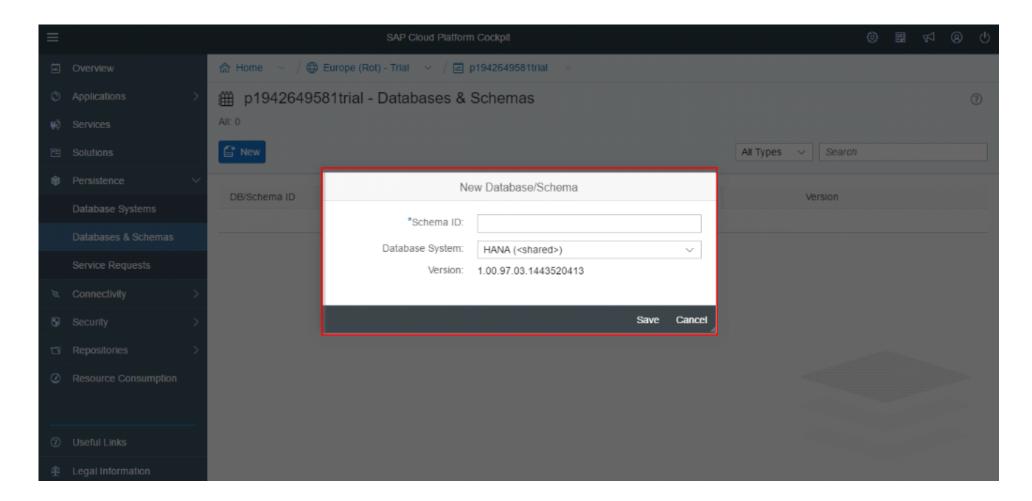
Step 13:

Click on "New" to create a "DATABASE".



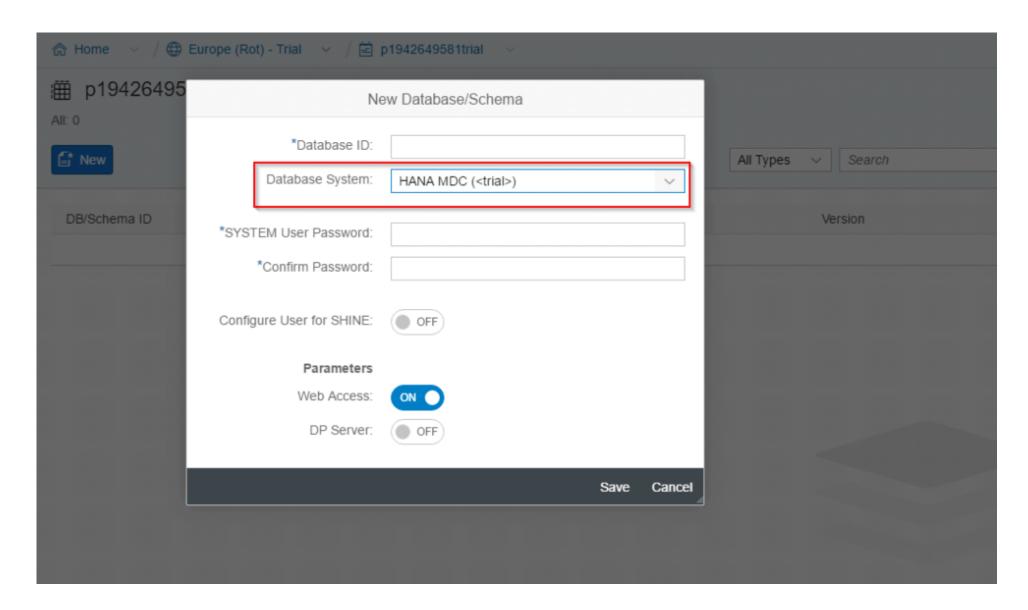
Step 14:

After click on "New", then a window is opened as follows:



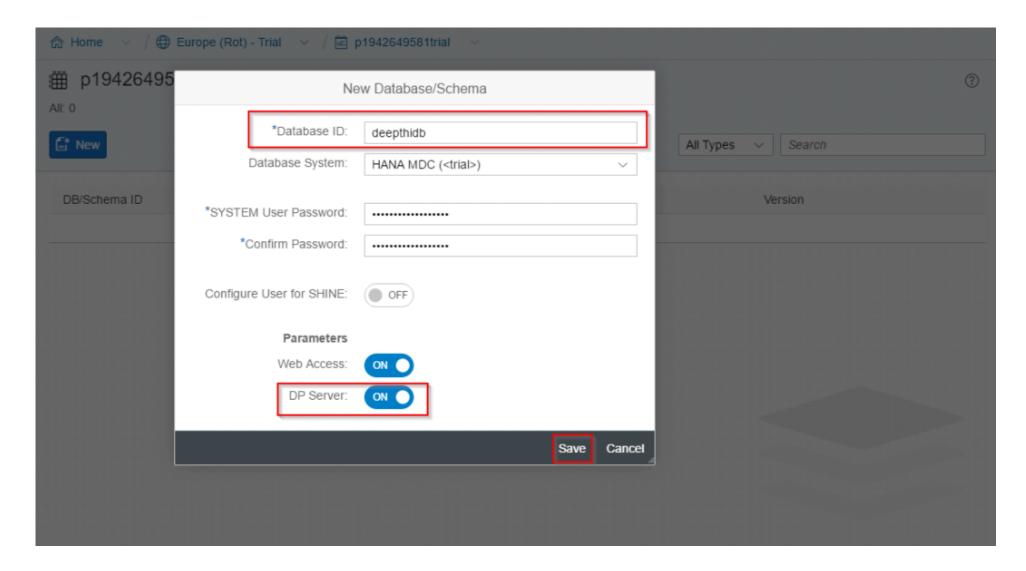
Step 15:

Select Database System from the dropdown and select HANA MDC (<TRIAL>)



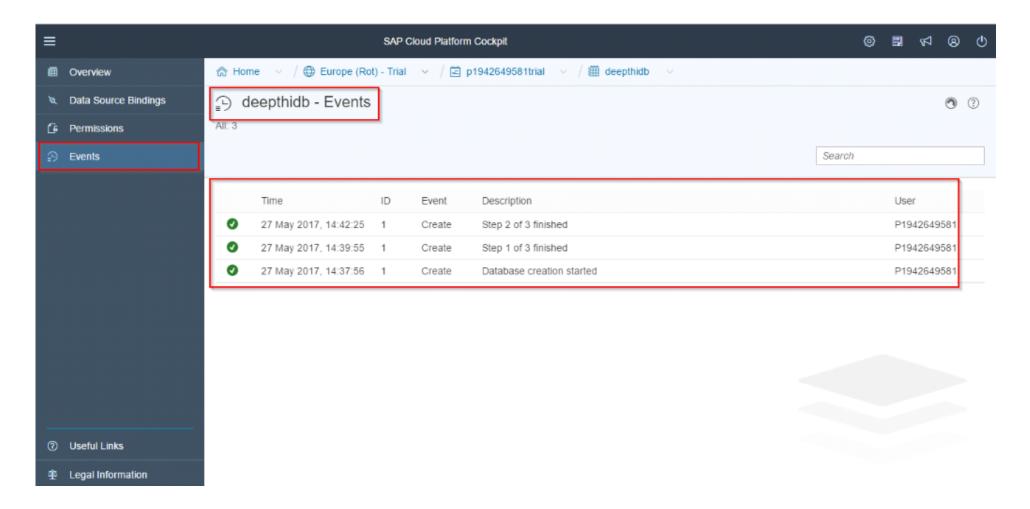
Step 16:

Give a Database ID, SYSTEM User Password and select DP Server "ON" and click on "SAVE".



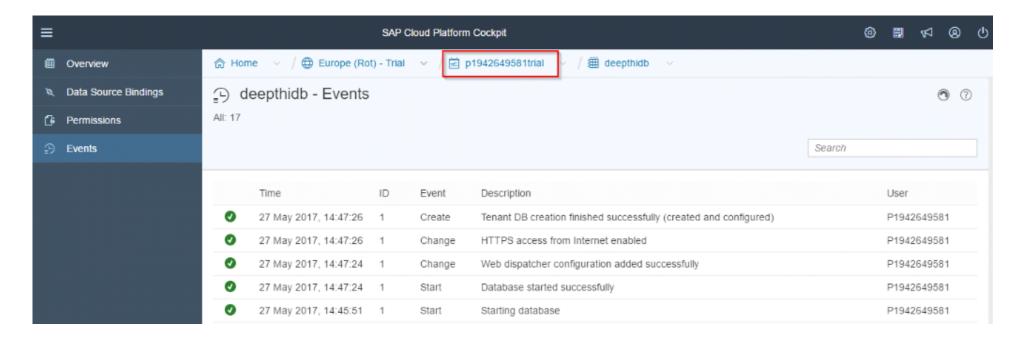
Step 17:

After click on "Save", the database is created and you find that message in "Events"- consists of "Database ID" (Which you have given).

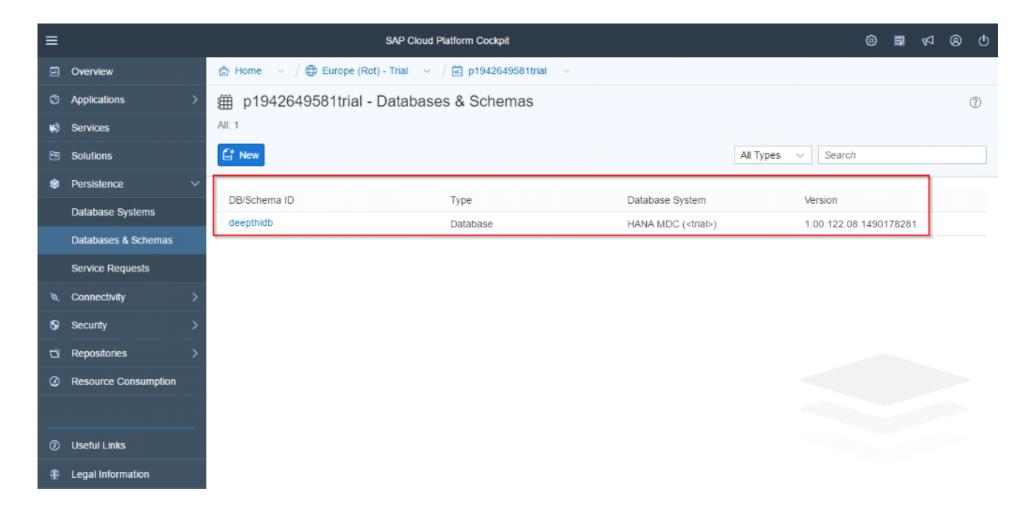


Step 18:

Click on your account number.

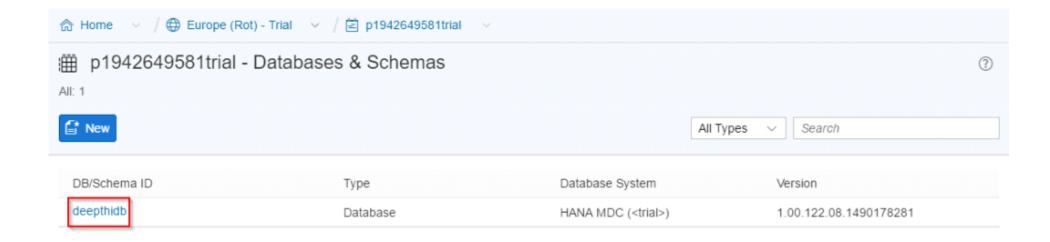


Step 19:



Step 20:

Click on your "DBSchema ID".



## Step 21:

When you click on "DB Schema ID", then a page is appeared as below:

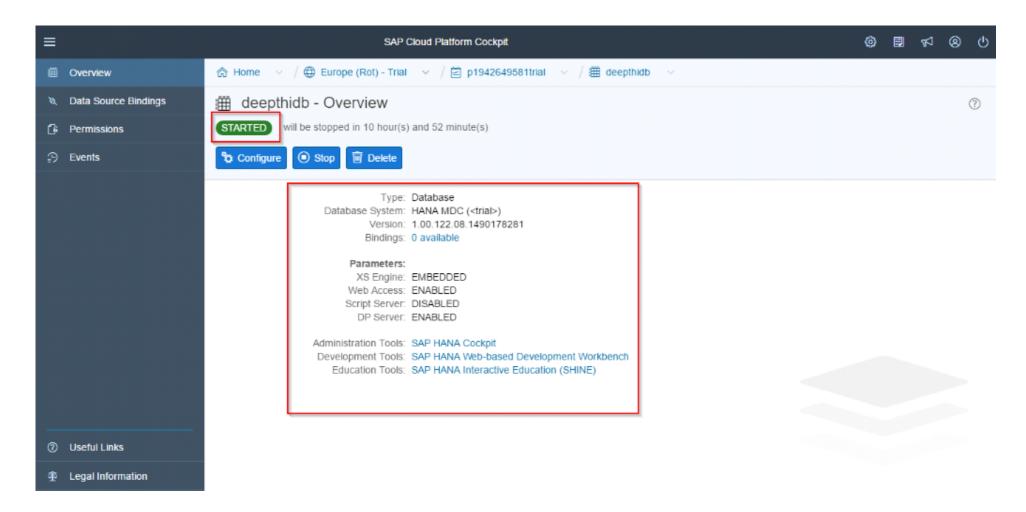
There are three links available.

They are as follows:

Administration Tools: SAP HANA Cockpit

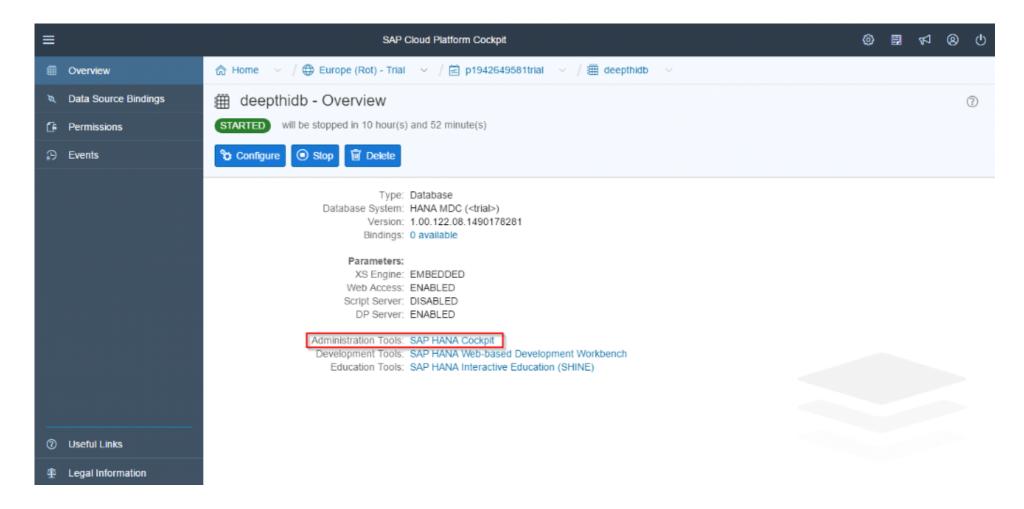
Development Tools: <u>SAP HANA Web-based Development Workbench</u>

Education Tools : <u>SAP HANA Interactive Education (SHINE)</u>

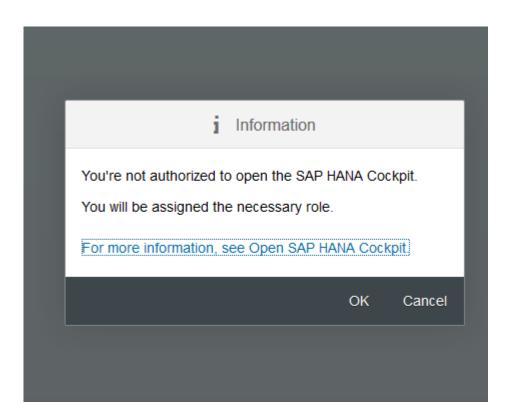


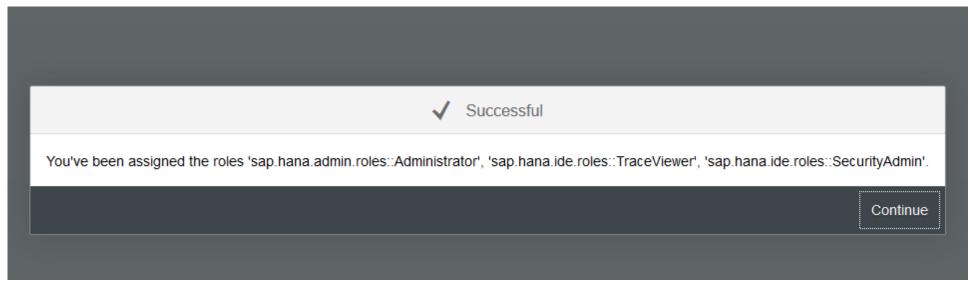
Step 22:

Click on Administration Tools- "SAP HANA Cockpit".

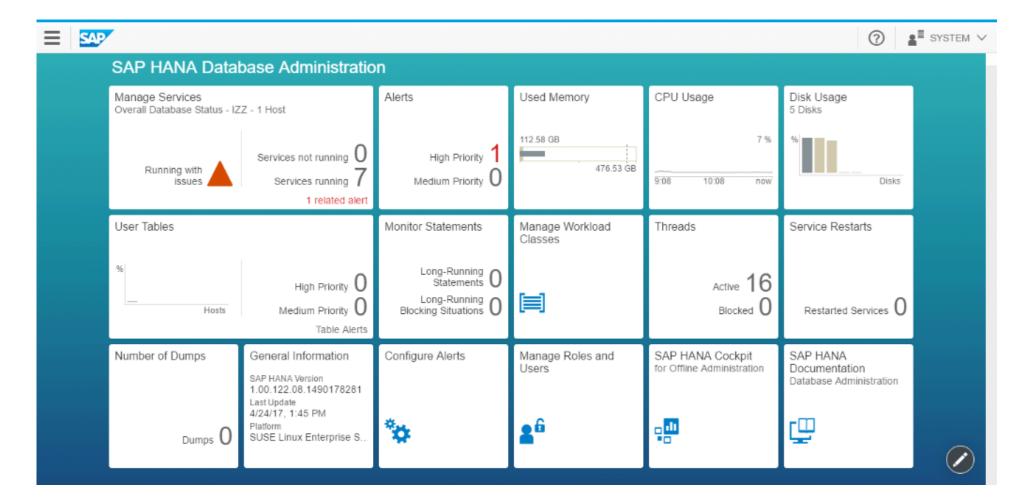


Then an alert message is shown. Click on ok->Click on Continue.





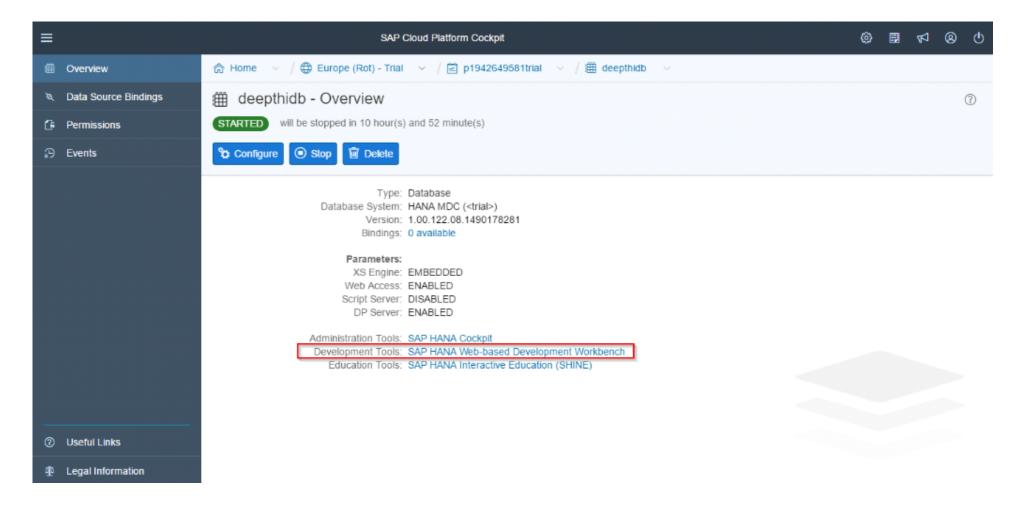
Then a webpage is opened as below, which consists of SAP HANA Database Administration.



Step 23:

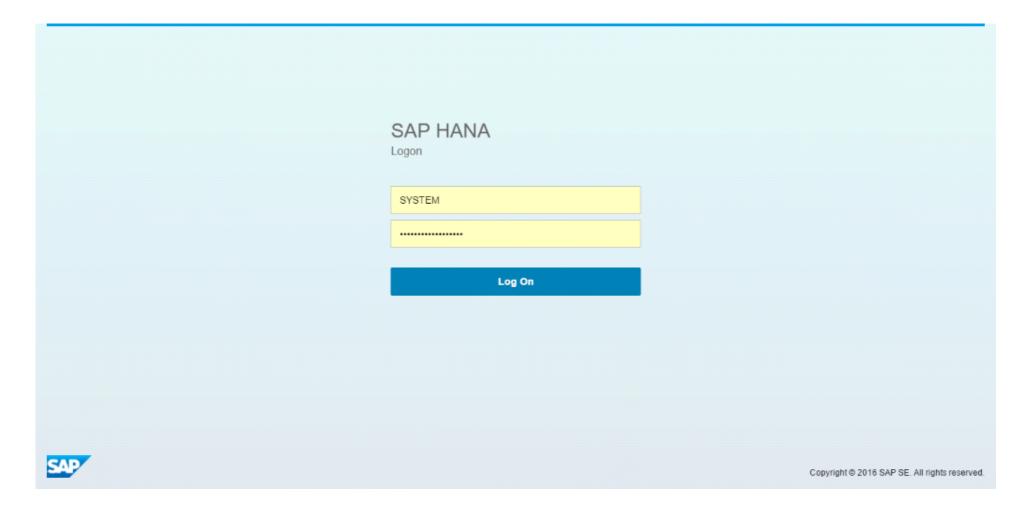
Go to your SAP CP Cockpit.

Click on Development Tools: SAP HANA Web based Development Workbench.



Step 24:

Provide your Username as "SYSTEM" and Password(Which is provided while creating your database) to Login to the Editor in Workbench.



Step 25:

SAP HANA Web based Development Workbench is opened.

# **SAP HANA Web-based Development Workbench**





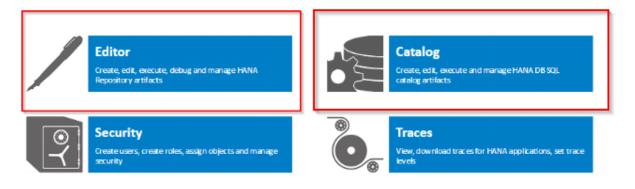




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SAP SAP HANA Web-based Development Workbench

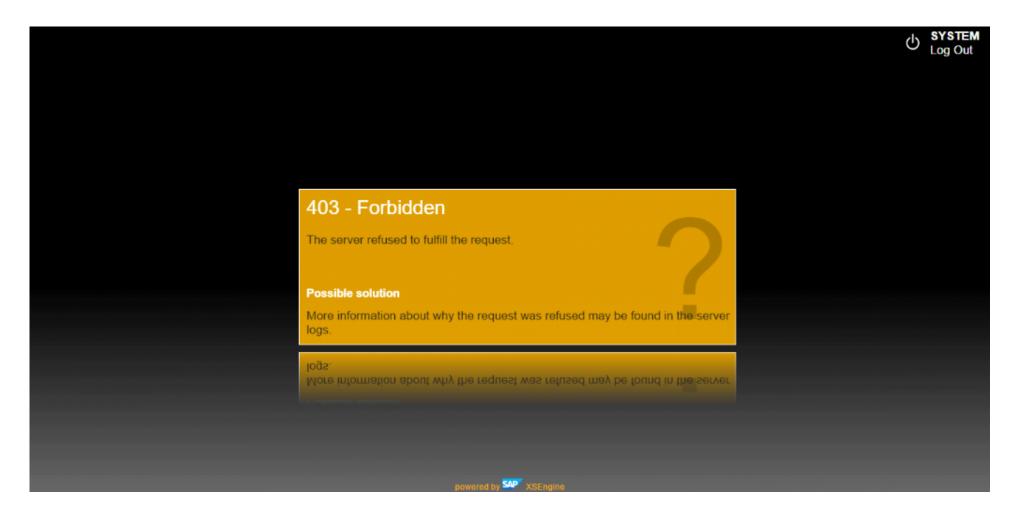
# **SAP HANA Web-based Development Workbench**



## Step 27:

After creating a database instance on SAP HANA Cloud platform, while you are trying to access the "SAP HANA Web-based Development Workbench" link, you might be getting "403-Forbidden" error message.

Let's resolve the issue by going through the steps from the beginning.



Step 28:

While facing an error like the above Click on "Security" in the workbench page and follow the steps as shown in the below screen.

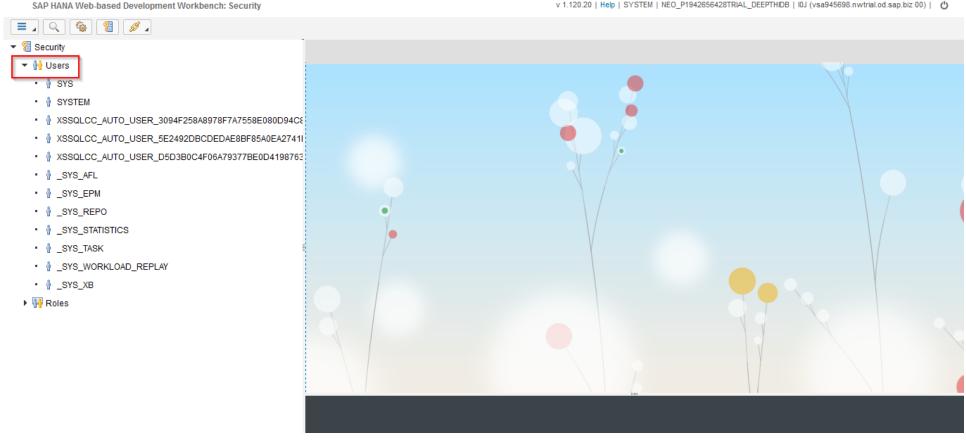
# **SAP HANA Web-based Development Workbench**



Following screen will appear and you would need to select "Users" from the left side panel.

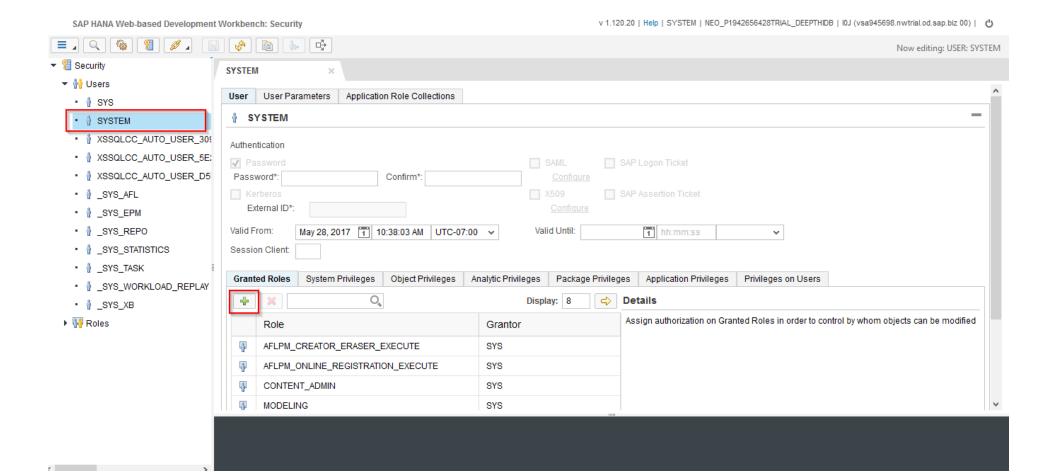
Ν



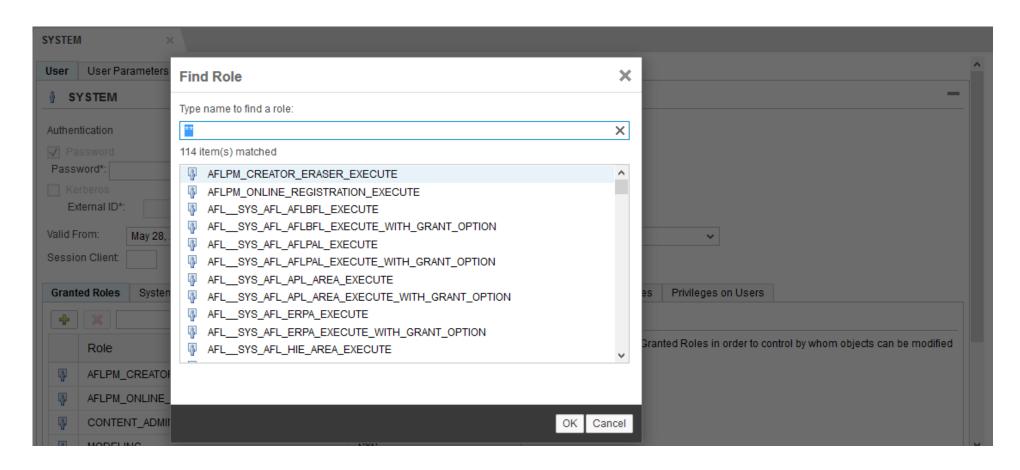


Then "Users" tab will be expanded, further you need to Click on "SYSTEM" as shown below, as a result role setting would appear.

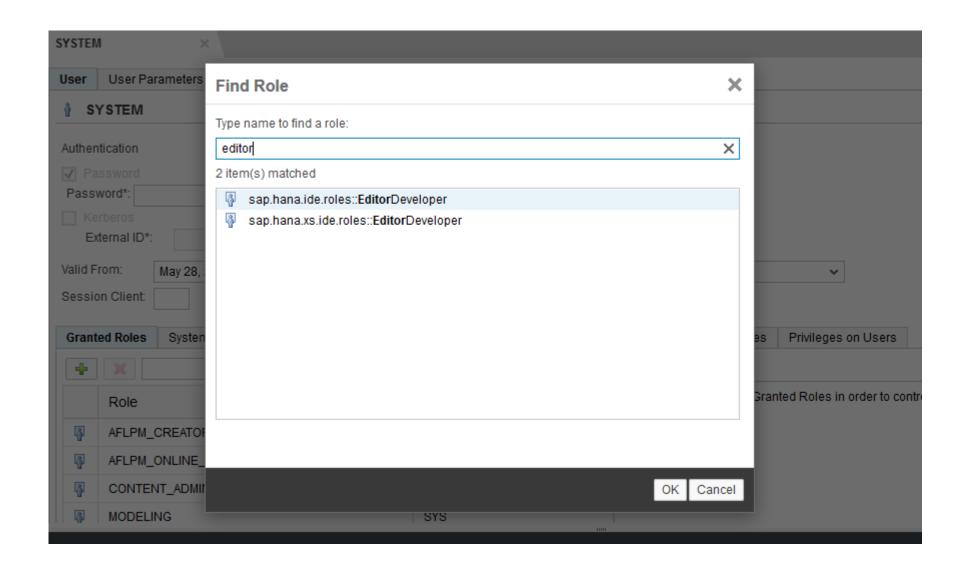
Further, you would need to click on "+" sign (green colored) as shown below.

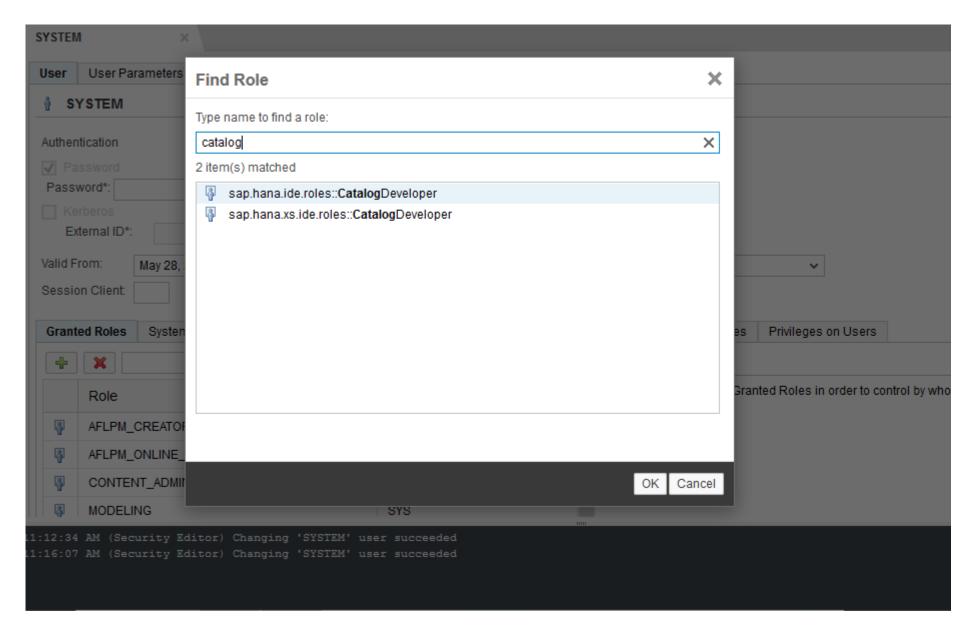


Then a screen appears like below.

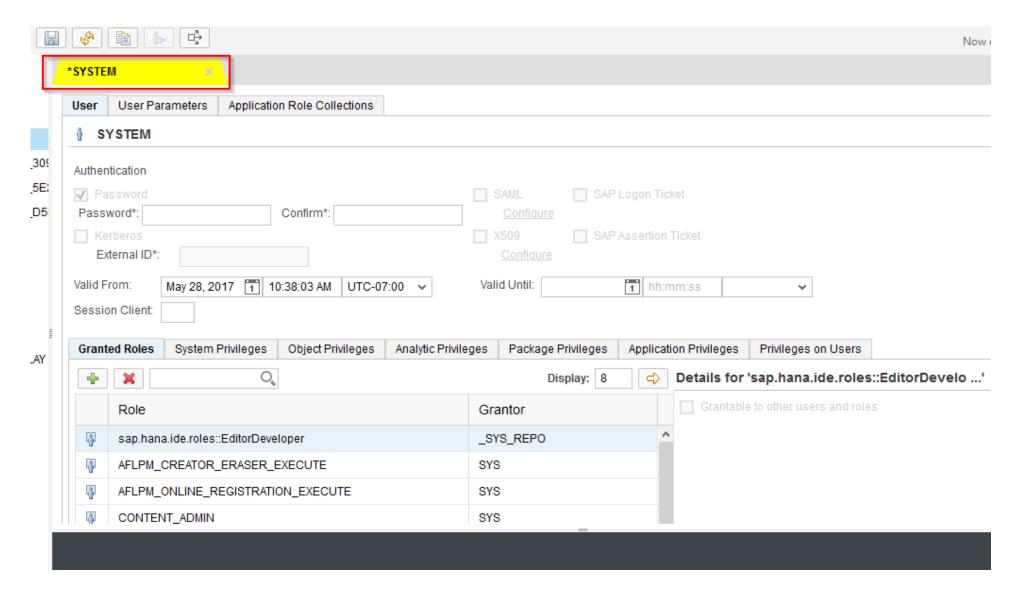


"Find Role" dialog box would appear, there you need to insert the phrase "sap.hana.ide.roles" to search and here we have to select "Editor", "Catalog" .Then, press "OK" button to proceed further.

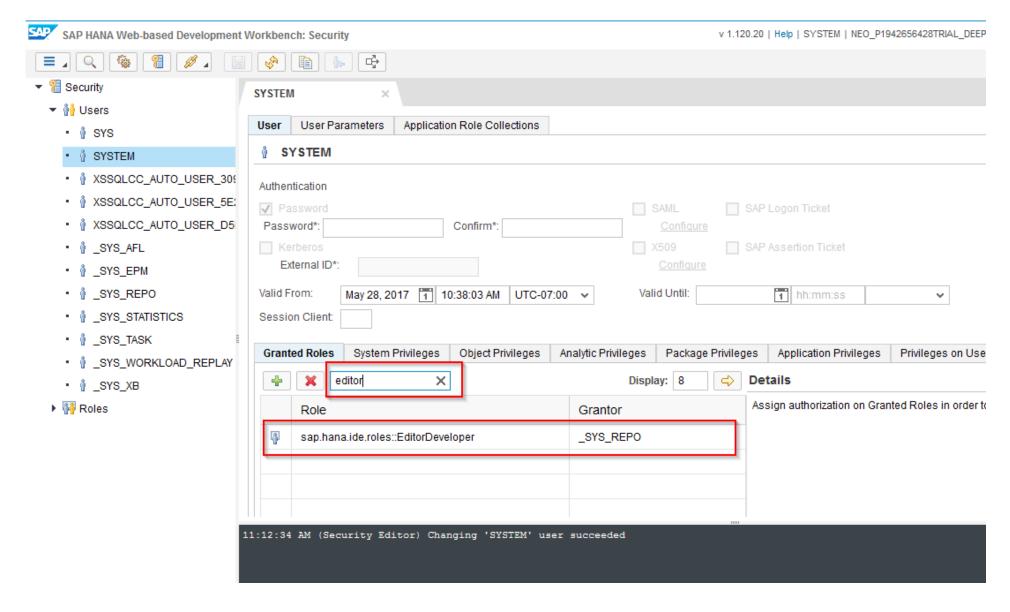




As you could see, the new roles are assigned, but yet to be saved, that's why "SYSTEM" tab is highlighted in yellow color indicating unsaved changes made. So, press the "Save" button or (Ctrl+s).



You might cross check whether it's save correctly or not by searching the roles in "Granted Roles" as shown in the following image.



That's all we would need to do, while facing an error like "403 forbidden", now you would be able to access "Editor" and "Catalog" tabs.

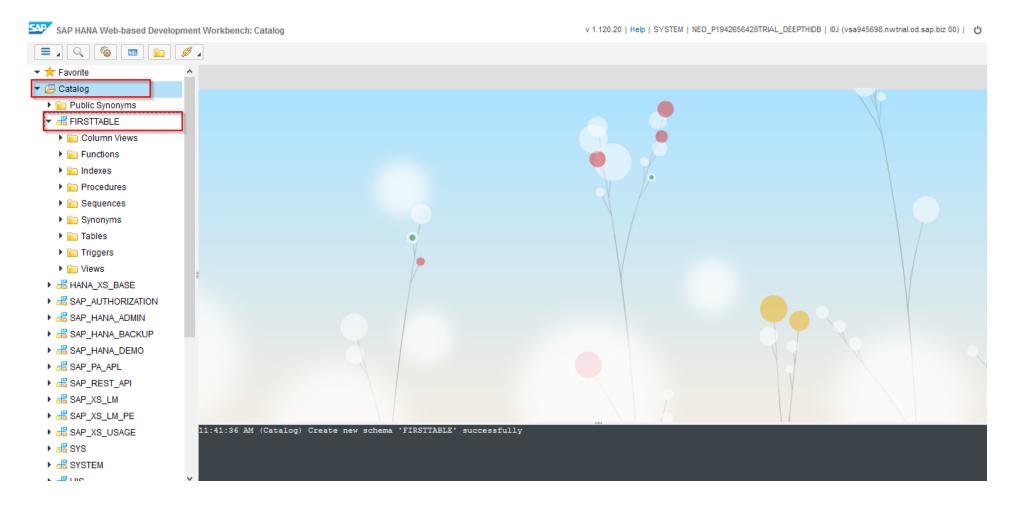
# Step 29:

Now go to your "SAP HANA WEB BASED DEVELOPMENT WORKBENCH." and select Catalog.

Then a page is opened like below.

On left side Select Catalog and right click on Catalog, you will find a Schema Click on that and Enter your new Schema name.

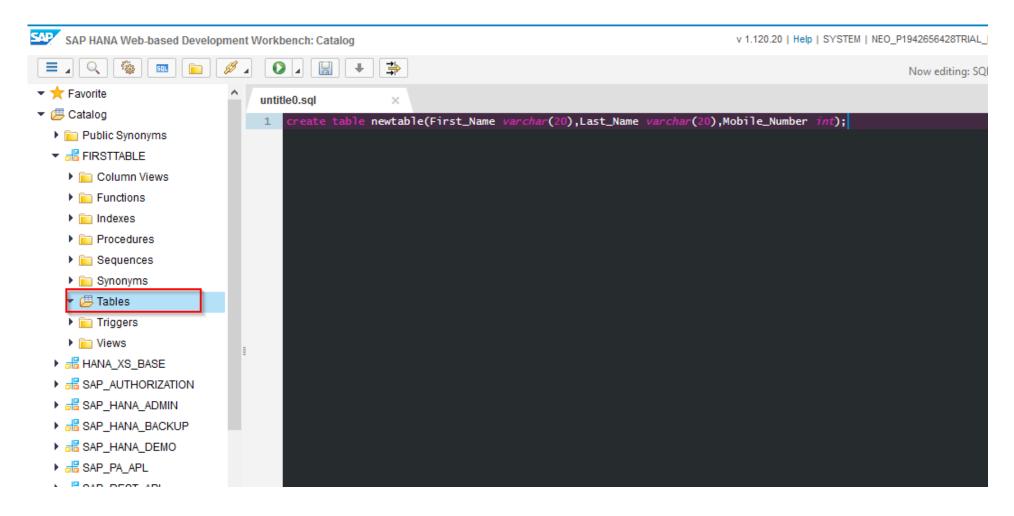
Then a new schema is created. In the following my Schema name is "firsttable".



Click on that Schema name and select "TABLES".

Right click on "Tables" and select "CONSOLE EDITOR".

Then a screen appears like below on the right side.

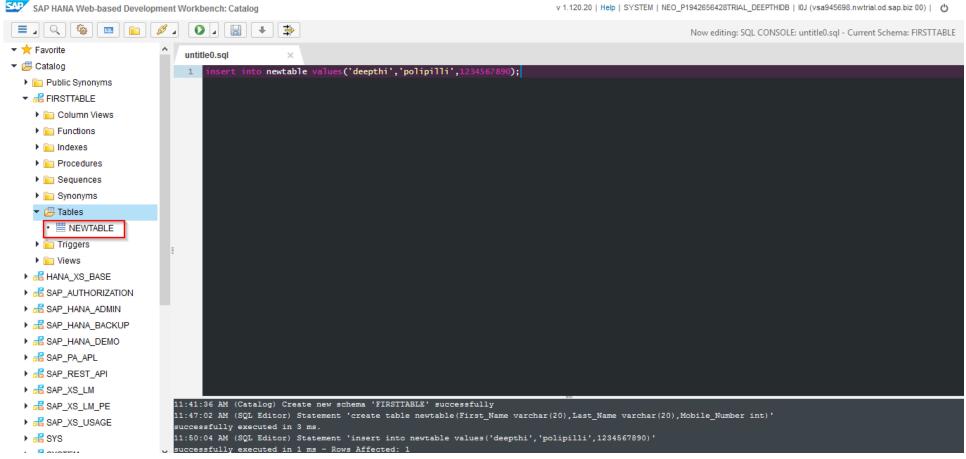


On the "Console Editor" you can write the "Statements for table creation, insertion etc.,".

like:

Creation:create table tablename(firstname varchar(20));

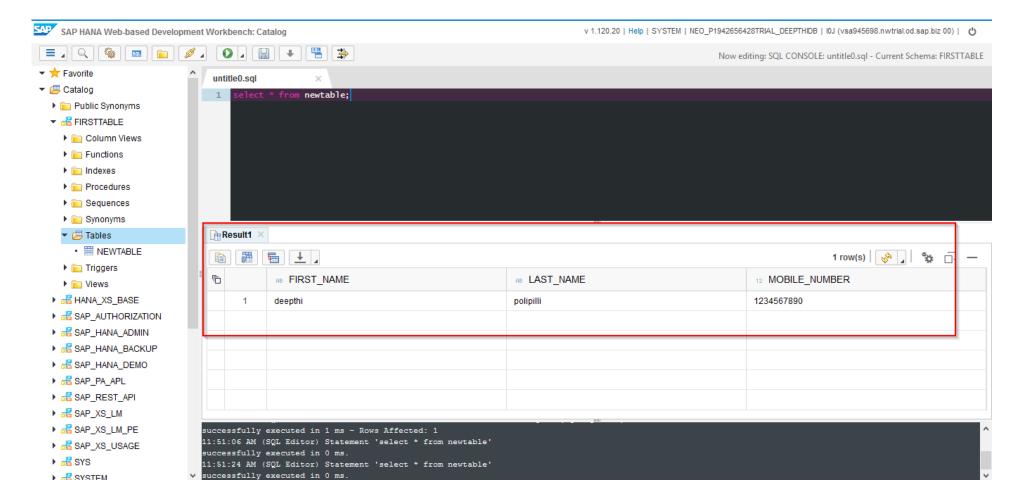
Insertion:insert into tablename values('deepthi');



After creation of your table you can insert data into the table by providing an insertion statement in the console.

You can find the result like below after selection.

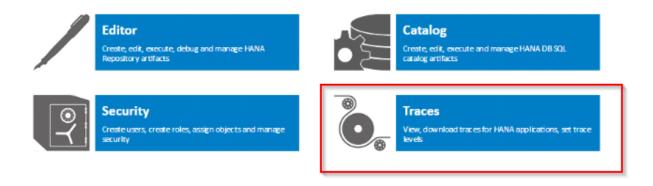
Selection:select \* from tablename;



Step 30:

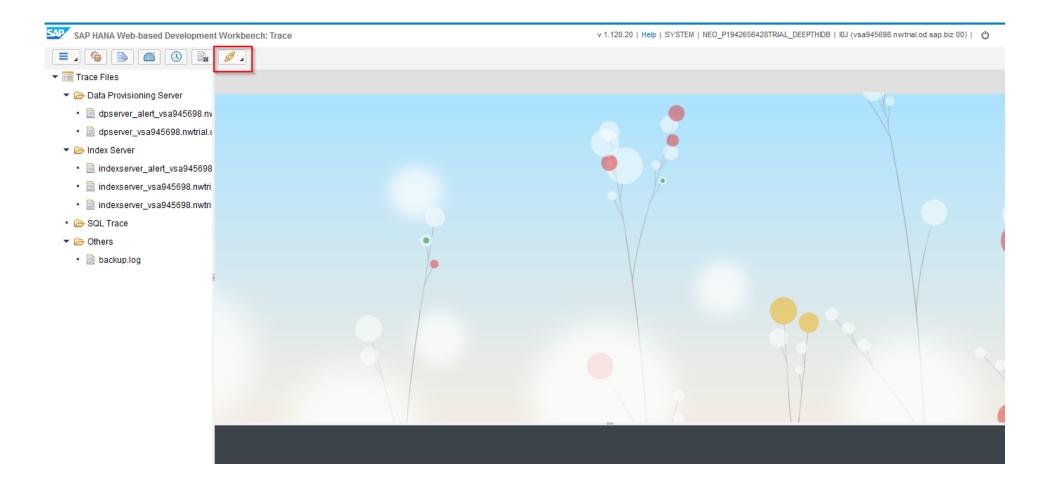
You can also access "CATALOG, EDITOR" FROM "TRACES" in SAP HANA WEB BASED DEVELOPMENT WORKBENCH.

# **SAP HANA Web-based Development Workbench**



Right click on the highlighted icon. There you will find catalog and editor options.

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By Manjunath Baburao, Aug 22, 2016

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By Former Member, Sep 13, 2017

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By Bhakti joshi, Apr 12, 2018

SAP HANA Cloud Platform error

By Former Member, Oct 20, 2016

### 20 Comments

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Moya Watson

May 31, 2017 at 2:19 pm

Thanks for taking the time to detail the experience, Deepthi! You could delete "HANA" from the first several steps since as you rightly note, we're "SAP Cloud Platform" now. Looking forward to further contributions about what you're doing with SAP Cloud Platform and HANA!

Like (0)



Former Member

May 31, 2017 at 2:32 pm

Excellent.

Like (1)



Former Member

July 12, 2017 at 10:39 am

Superb explanation for begginers thank you thank you so much..

Like (1)



Former Member | Post author

July 14, 2017 at 3:52 pm

Hope it will be useful for the beginners. Thank you.

Like (0)



Former Member

August 24, 2017 at 6:10 am

How can we use the HANA Tables data, and map it into our SAP UI5 project on WebIDE? Like (0) Former Member January 10, 2018 at 9:11 pm Hi Akshay, For that you need to create OData service. This link might be helpful: https://blogs.sap.com/2015/03/17/how-to-create-a-new-odata-service-using-the-web-based-workbench/ Like (0) Amaranadha Reddy K September 11, 2017 at 11:32 am clear explanation for the beginners. Like (1)

Gretchen Horn

September 15, 2017 at 10:11 pm

Great Blog! Thanks!!!

Like (1)



Former Member

October 18, 2017 at 3:06 pm

Very helpful! Cheers

Like (1)



Former Member

November 20, 2017 at 1:45 pm

Great...Thanks

Like (1)



Volker Pinkitz

January 7, 2018 at 10:07 am

great ... finally my iotmms stuff is working .... thanks

Like (1)



Former Member

February 2, 2018 at 2:20 pm

Excellent. Keep up the good work. Thanks.



Rajan Ramalingam

March 2, 2018 at 4:28 am

Great blog. Thank u

Like (0)



Vijay Masram

March 21, 2018 at 11:00 am

Nice work!! Appreciate for your hard work. Thank you!

Like (0)



Bhakti joshi

April 12, 2018 at 5:43 am

Hello,

at step 21, I am not able to login. it presents me a username and password screen. (instead of a message displayed in your blog) and I tried my trial account login and password and also tried the password I gave while creating the DB.

I tried clicking on both the links below but they are not working.

Administration Tools : SAP HANA Cockpit

Development Tools : SAP HANA Web-based Development Workbench

kindly help me how to proceed.

thanks in advance

bhakti

Like (0)



**Gregor Wolf** 

April 12, 2018 at 6:04 am

I've posted an answer here: database table in sap hana cloud platform

Like (0)



Former Member

April 12, 2018 at 7:10 am

Thanks Deepthi

Like (0)



George Abraham

May 16, 2019 at 9:22 am

Excellent Blog! Helped me a great deal!



Sandeep Mujumdar

May 24, 2019 at 12:21 pm

Nice blog, helped me to setup one for me. Thanks

Like (0)



Sandeep Mujumdar

May 31, 2019 at 10:23 am

I forgot the password for user SYSTEM, any idea how we can recover the same?

Like (0)

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