But we welcome back.

In this video tutorial, I will discuss with you how we can create and use Abap environment in BTP.

The Abap environment in BTP is a platform as a service that allows you to extend existing Abap based

applications and develop new Abap cloud applications.

With Abap development tool for eclipse, this cloud optimized Abap platform based on SAP Hana serve

as a development and runtime environment for cloud applications.

The center point for entry to the cloud platform in the SAP BTP cockpit, where you can access your

accounts and applications and manage all the activities associated with them in SAP.

BTP cockpit.

First we need to create a global account is like a contract you or your company has with the SAP within

a global account.

There are one or more subaccounts.

AWS global account manages a number of subaccounts and the resource allocations to them for the actual

consumption.

The Subaccount is a place where you deploy applications and use services.

Each Subaccount is associated with a region which is a physical location where the application, data

or services are hosted.

Inside the Subaccount.

You deploy environment such as Cloud Foundry.

Environments constitute the actual platform as a service offerings of SAP, BTP that allows for the

development and administration of business applications.

Each environment comes equipped with the specific tools, technologies and runtimes that you need to

build the applications.

The Cloud Foundry environment enables you to deploy new business applications and business services

supporting multiple runtimes, programming languages, libraries and services within a Cloud Foundry

environment.

You can create a new space for Abap development.

This is what we refer to as above.

Environment in BTP.

Abap instance is a service within the SAP BTP specifically for the Abap environment.

This instance is where you can deploy and run your Abap applications.

Each Abap system in the Abap environment utilizes a dedicated SAP Hana database, which is provided

by SAP Hana Cloud Service and managed by the Abap.

Environment.

While using Abap environment in BTP, it's important to note that you cannot use classical Abap programming

to create Abap applications.

Here you have to use Abap on cloud programming to build the Abap application.

Okay, so now let's see how we can create free sap BTP trial account.

For that purpose you need to visit website w w w dot a.com.

Here you need to click on Log on icon.

If you are having already an account on this website, then you just need to login with your email address

and password.

If you don't have any account, then you can register by filling all the required information.

After successful registration, you will receive an email asking to activate the account.

Go to your email inbox and click on the activation button.

Click to activate your account.

Now here you need to set your password to register yourself successfully on Hp.com.

In next step, you need to visit web page account dot Hana trial dot on demand.com.

If you are already logged in to Sap.com then you now need to log in again as it will automatically take

the login credentials.

If not, then use your email address and the password using which you have registered on Sap.com to

logging into account.

Dot Hana trial dot on demand.com.

Here you need to verify your account with phone number.

You will see an dialog box to confirm the terms and conditions for the Active Trial account.

Click on Check box and accept the Terms and Conditions.

He simply adds the Shop.com registration to your login account on HP Cloud Identity.

In the next step, choose the region which is closest to you.

Now your account is being set up.

It will take few minutes to complete.

In this step, your account is being set up based on the region that you have selected.

It will create a global account, then sub account org and space.

In next step, you have successfully entered in the SAP BTP trial home screen.

Here you need to click on go to your Trial account button.

Read the new SAP BTP trial period details and close the dialog box.

With this, you will get a 90 days of trial period.

Once the 90 day trial period is over, your account will be deleted.

You can then set up a new trial account.

The Global Trial account contains one sub account and space.

Navigate to the sub account by clicking on the tile named Rachel here Saigon Cloud Foundry Environment.

To get the space in which your application and services live.

Click on the Devspace.

Cloud foundry space in the logical container of your runtime artifacts such as applications and service

instances.

The service marketplace is where you can find services to attach to any of your applications.

These services are provided by SAP Cloud Platform to make it easier to create and produce web applications

quickly and easily.

Year in the search box type Abap.

As a result, you will get service name Abap environment.

Using this service, you can access a shared instance to build custom Abap cloud applications leveraging

the newest innovation powered by SAP Hana.

Click on create button to create instance of service.

Abap trial.

Here you can give name to your instance.

Here one important thing to note is the Abap environment that will get created will be shared amongst

the different users.

Next step, you have to use your registered email address between double quotes.

It will take a while to create an instance.

Click on view instance to see the progress.

Once the service instance of Abap environment is created, you can see the status as created.

So with this step we have successfully created Abap Environment Service instance.

Now you need to open your eclipse IDE.

Here go to Window perspective, Open Perspective and other.

Here you will get a Abap perspective.

Click on it.

Then you will have the option to create a Abap cloud project.

You also can go to File New and create Abap Cloud Project.

We need to establish connection between eclipse IDE and the Abap service instance that we have created

on BTP.

So for that purpose, click the radio button.

SAP, BTP, Abap environment and then select radio button.

Use Cloud Foundry environment.

You need to provide the details here like region, API, endpoint, email and password.

Sometimes it may give you error.

In that case, select the region other and explicitly provide the API endpoint.

API endpoint.

You will get it in your trial account web page under the tab Cloud Foundry Environment.

Then provide email address and password and click next.

Still, if you are facing issue logging in into SAP BTP environment, here is the alternate way.

You need to select radio button, use service key.

Then a dialog box will open where you need to provide the service key in Json format.

To get this service key.

You need to navigate to SAP, BTP cockpit, then services, then instances, then Abap instance.

Here click on this three dots and click on option Create Service key.

Give the name to your service key and click create.

As a result, a service key will get created.

Click on that service key and copy this in Json format.

Then go back to your eclipse IDE and provide the service key in Json format here and click next.

Here click on the drop down button and select Organization Space and Service Instance.

So here you will get two different options to logging into your service instance of SAP BTP.

Open logon page in browser and copy logon URL to clipboard.

You can use either of these two options.

Provide email address and password to authenticate your login through the eclipse.

If you are already logging into the browser, then you no need to login again because system will automatically

pick up the credentials once successfully authenticated.

Eclipse will connect to SAP Cloud Foundry Abap environment in BTP.

Giving name to your project.

Now.

Once the connection is successful in eclipse ADT, you will see your project name.

That means we have successfully connected eclipse ADT tool with Abap Environment Service installs in

BTP and we are ready to start our Abap development.

That's it for now.

See you in next video tutorial.