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Abap in sap cloud platform

SAP Cloud, ABAP Environment is sap platform-as-a-service (PaaS) offering for ABAP development that allows developers to leverage traditional on-premises ABAP know-how to develop and operate ABAP applications on the SAP Cloud platform, either as an extension to SAP software or as stand-free applications. Update history: 12.11.2019 – Added a What's new section 03.10.2020 – New screenshots showing the new Booster You Asked. Heard. From SAP TechEd 2019 in Las Vegas, the long-awaited trial version of the SAP Cloud platform, ABAP Environment is now available. Anyone can now get their hands dirty and can try, for example the new ABAP RESTful Programming Model. What do you need as conditions? Where can I find abap trial? The ABAP trial is part of the Cloud Foundry trial and is easily accessible through SAP Cloud in just 3 steps. Click Enter your trial account. Click on The Boosters in the menu on the left side Select the Account Preparation tile for ABAP Trial and follow the guide For a detailed description step by step check out our Onboarding Tutorial. A brief description of the integration process can also be found in SAP Online Help. What are the rules of the game? This test is a joint offer. Unlike other trial offers on the SAP Cloud platform, this is a joint trial offer. Test users share an instance of the same support system. As in an on-premises ABAP deployment system the content is not separated which means that you can view and change all objects that other developers have created. And they can see and change the objects you've developed. As a result, we ask you to be careful when editing objects. So you should always be sure to replace the XXX placeholders provided in our tutorials (e.g.zcl_generate_travel_data_XXX) with an unused three-digit number or a combination of 3 characters. It's for educational purposes only. The system can only be used to educate yourself. You should not use it for other purposes. It has a limited lifespan. The total lifetime of the abap shared trial system is linked to the lifetime of your test account in the Cloud Foundry environment. A test account in the Cloud Foundry environment has a default usage period of 30 days. You can extend the trial period to a maximum of 90 days, after which your account is automatically deleted. At the end of the maximum period of use you will see a message such as After your trial account is deleted, you can create a new trial account in the Cloud Foundry environment unless you want to purchase a corporate account as described in SAP Online Help. What is in this box and how do I enter code? For your convenience we have preinstalled the flight reference scenario for the ABAP RESTful programming model. So you don't have to reinstall it. The flight reporting scenario provides samples of data and services, as well as business logic to familiarize yourself with the ABAP RESTful PROGRAMMING MODEL. You can control end-to-end scenarios or create your own application based on the report scenario and sample data. As described in Use abapGit to convert ABAP source code to the cloud, you can also import your own code into the trial system. This is possible by using the abapGit client that came with the ABAP deployment tools. But remember, this is a common test, so you don't have to upload anything other than your display code. Although it is not possible to use the destination service and internal connectivity (see section Known restrictions) I have described a solution to call remote OData services in a blog (see Section Related blogs) What should I do if I have a question or an issue? If you have questions or are stuck with something, you can post your problem in the Q & A section of SCN using the SAP Cloud Platform tag, ABAP Environment . Known limitations Due to the shared trial approach, the following features are limited: Limited access to administrator's SAP Fiori Launchpad applications There are no applications for identity and access management (IAM) No applications for communication management No application for the software component lifecycle There is no support for custom identity provider (IdP) The most important limitations that result from the above technical limitations : No use of the destination service Can't use the On-premises Business Connectivity Roles Objects & Fields can't be used Related blogs Where can I find more information? What's the news? The RAP generator has been installed on all test systems All test systems have been upgraded to 2008 supporting design. As a new region you can now choose US East (VA) in Amazon Web Services (AWS) SAP Cloud Platform, ABAP environment, perseverance Developing cloud applications in ABAP with a Fiori user experience optimized for SAP HANA This represents the database server (SAP Hana Database) part of the SAP Cloud platform, ABAP environment. Please always purchase this offer along with sap cloud platform, ABAP environment, run time. 300 User connections include automatic cloud connection upgrades and access to patches in SAP Cloud Platform ABAP services, released in September 2018, were a leap forward for ABAP developers, allowing them to transfer existing abap skills and assets to the cloud, while leveraging innovative SAP HANA-based capabilities. Since its initial release, SAP has added two new features: connectivity to on-premises systems and a simplified installation for the development and development of SAP Web IDE applications. This article examines these new features and, using step-by-step examples, shows how to use them. This is available for premium members and (Free) insiders. Log in or become confidential information to read this content. Learn about our membership levels With this blog we provide an update on the latest information to get started with ABAP ABAP cloud sap platform. Part I provides an introduction with an overview of available resources. Part II covers a series of hands-on tutorials recently published on the SAP HANA Academy YouTube channel. Anything good? Post a comment, share social media and/or give something like that. Thanks! Hands-On Video Tutorials Philip MUGGLESTONE has just published a series of video tutorial to get started with sap cloud platform ABAP Environment. For his blog post on the topic, see Hands-on Video Tutorials on SAP Cloud Platform ABAP Environment. Below, we've integrated the videos with some additional information for ease of viewing. Following you will learn how to create an app for travel bookings. We use fiori elements so we don't have to write any of the UI elements ourselves. Very convenient. Watching the nine video tutorials will cost you just over an hour of your time. What you get back is a good understanding of how you can work with ABAP in the cloud some differences between the free trial and the corporate account and how to configure it how to connect the client's tools (Eclipse) to the cloud presence with the key service keys of the ABAP RESTful Programming Model how to create a project, packages, and perseverance how to create an interface view, view, service and behavior definitions Difficult? No. Code snippets are provided so you can relax. To bookmark the playlist on YouTube, go to > SAP Cloud Platform ABAP environment for code snippets, go > github.com/saphanaacademy/ABAP YouTube 1 tutorial video. Overview The first video provides an overview showing the travel booking app, the tools used, and the ABAP environment on the SAP Cloud platform (SCP). For the learning series the free test environment is used so anyone can follow along. With a client account this works the same way, except that you need to install the ABAP Platform Flight Reference Scenario yourself (included in the test). For some additional reading, see in particular, the programming model guide is recommended, as this will explain the concepts. 2. Starting with a client account In the second tutorial, we learn how we can create an environment in a global SCP account and control service rights for the ABAP service. New to SCP are recipes for providing services. This means that instead of having to create subcomputers, cloud foundry spaces, set permissions, assign members, etc., the system will do this for you. The recipe used is Preparing account for deployment Then we create a sub-account for the Steampunk environment. Using the ABAP dashboard, we then create business roles from our SAP_BR_DEVELOPER and create a business user. We also create a service key so that we can connect our client tool (below) to the cloud presence. For documentation, see Getting started with a customer account: Workflow in the ABAP 3 environment. Getting started with a trial account tutorial Web covers the same topic, except now we are creating the environment for the free trial account. That's even easier. All you need to do is select a site: USA East or Europe and then a trial sub-account will be setup in the Cloud Foundry environment with an org and a space, assigning services and subaccount right to the ABAP trial, and finally how to create a presence of abap trial itself: access to a shared presence to build custom ABAP cloud applications, utilizing the latest innovations powered by

SAPHANA. Nothing less. As in the previous video, we also need to create a service key. For documentation, see Getting started with a trial account in the ABAP 4 environment. Configure ABAP deployment tools With the server side running, we are now turning our attention to the client side. The steps are the same, regardless of whether you're working with a trial or customer account. We will use Eclipse (2019-12) and we will need to install the ABAP Development Tools from the SAP Development Tools website tools.hana.ondemand.com/#abap. Here we also find the documentation. Both Microsoft Windows and macOS are supported. Recommended Java VM is the yellow SapMachine, the OpenJDK release is maintained and supported by sap, which you can download from sap.github.io/SapMachine. This would be a good time to take a coffee break. 5. Create ABAP Cloud Project With our environment set up, we can now start our project. The system connection is made using the service key created in videos 2 and 3. As mentioned, we will work with the test account to make use of the pre-configured ABAP Platform Flight Reference Scenario (SFLIGHT). In a customer environment you need to set this up yourself. 6. Create a package and perseverance (Table) With our created connection, we proceed with the creation of a package and a table together with an ABAP class to fill the table with data (one row). In the test, the context is shared, so all names must be unique. Replace XXX in the sample code with your favorite number. Spoiler alert: Philip already picked 007. github.com/saphanaacademy/ABAP (code repository) Travel.txt (RAW) 7. Create the data template and OData service now we get to the core of RESTful ABAP programming by creating an interface view (basic data services & data definition). This is the first level of data modeling: how do you want to work with physical tables in different scenarios? Interface View Next, we create the view (fka view built over the interface view that specifies how the UI should be configured (@UI comments). View View We also create a new service definition for viewing with a service that connects to OData v2. The OData service is previewed using Fiori components. Set service 8. Creating behavior definitions Becomes more sophisticated by creating a new behavior definition in interface view with a new behavior application at the top, and add a new behavior definition consumption view. This enables us to edit fields in the web user interface and create new records, aka CRUD (Create Read Delete Update) functions. Definition of behavior 9. Extension of behavior definitions Finally, cherry-on-the-pie, you will learn how to extend behavior definitions in order to further enhance the functionality of the application by activating a custom action (booking confirmation) and validation (e.g. expiration date after start date). Questions about validating a custom action and connecting? Post as a comment. Useful? Give it a like and share it on social media. Thanks! If you want to receive updates, connect with me on LinkedIn & linkedin.com/in/dvankempen Twitter & [@dvankempen](https://twitter.com/dvankempen) For the SAP Press author page, visit [Denys van Kempen | SAP Type](https://denysvan Kempen.com)

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