



# **TechEd 2020 – DT267 Workshop Exercise**

## **Quick Start Guide for Setting up the Trial System**

PUBLIC

# Introduction

This document outlines how to bring up your own SAP S/4HANA trial system using the SAP Cloud Appliance Library (SAP CAL) for the “**SAP TechEd2020 - DT267 Workshop - SAP Fiori for SAP S/4HANA - Rapid Activation and Content Management**”.

An appliance is a preconfigured system image that can be deployed as your dedicated system in a cloud provider account owned by your company (i.e. the underlying hardware is located in the cloud but the system is not shared with other customers).

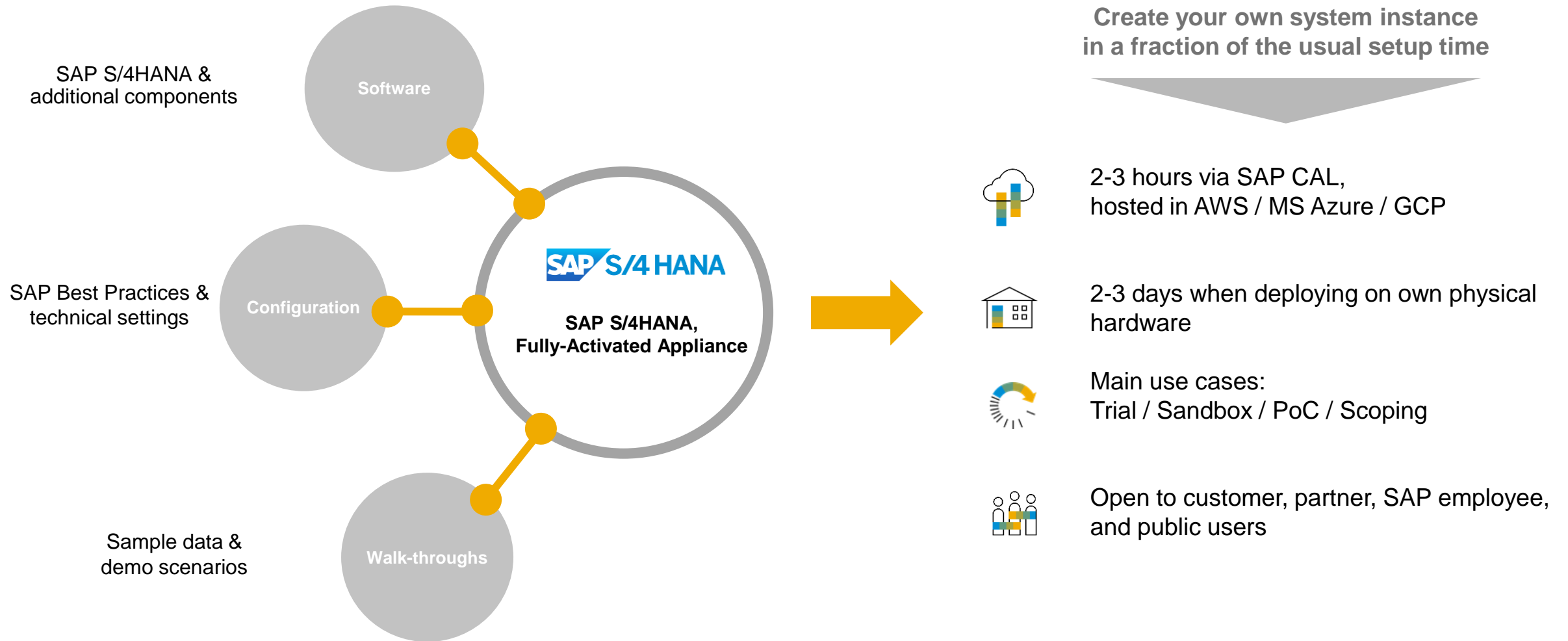
A deployment of the trial system image on your own on-premise hardware is also possible (the last slide in this deck has more information).

## Note:

The screenshots in this document might not always show the latest release version of the trial but the principle is the same for all releases.

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Trial system is based on the SAP S/4HANA Fully Activated Appliance



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## Your ways to Implement the Exercise Trial System

Cloud provider account at AWS / Azure / GCP existing and CAL account existing?

Start Step-by-Step procedure with

Step 4

Cloud provider account at AWS / Azure / GCP existing?

Start Step-by-Step procedure with

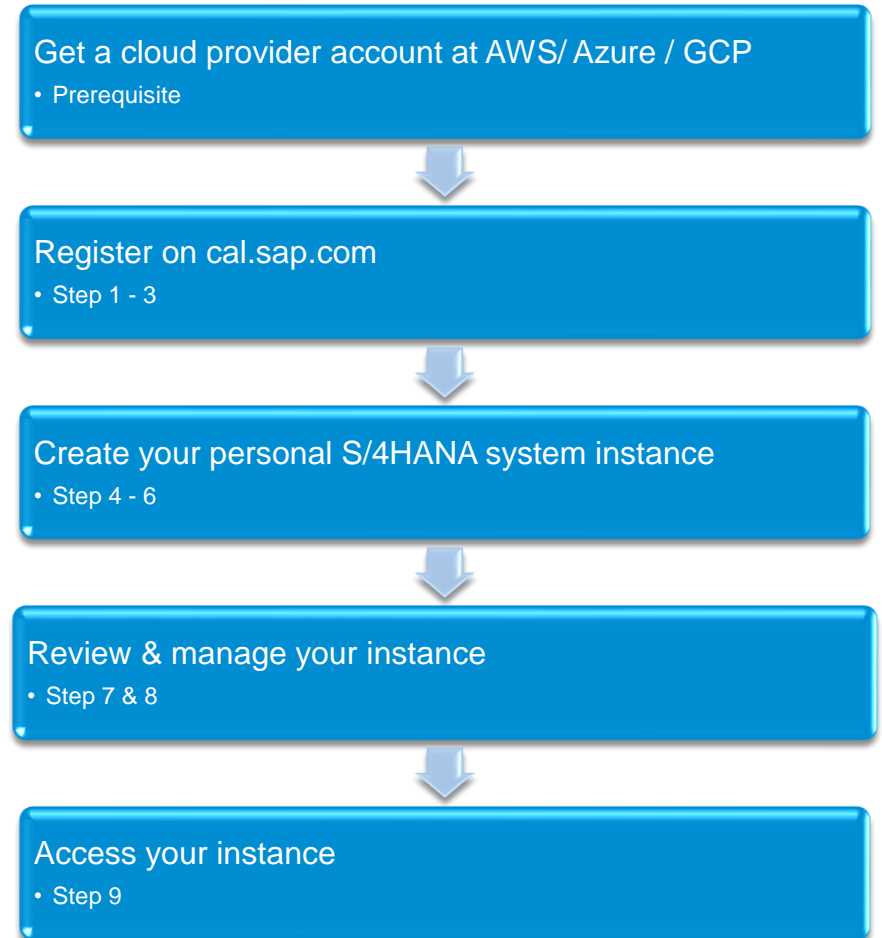
Step 1

No Cloud provider account existing?

Start Step-by-Step procedure with

Prerequisite

# Start your Exercise Instance Step-by-Step

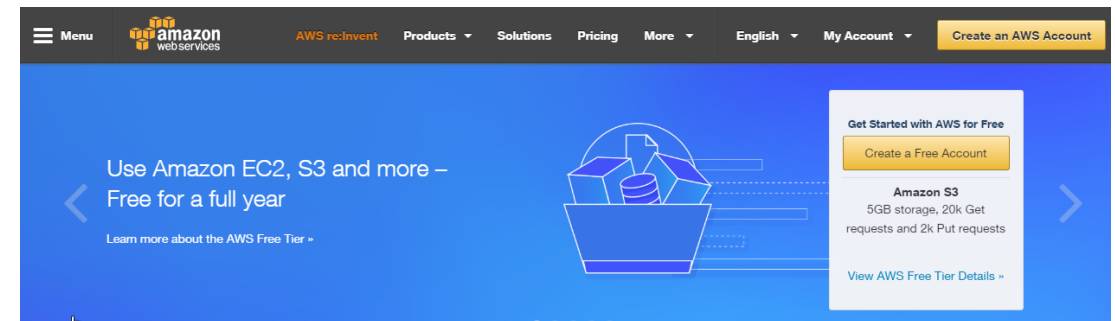
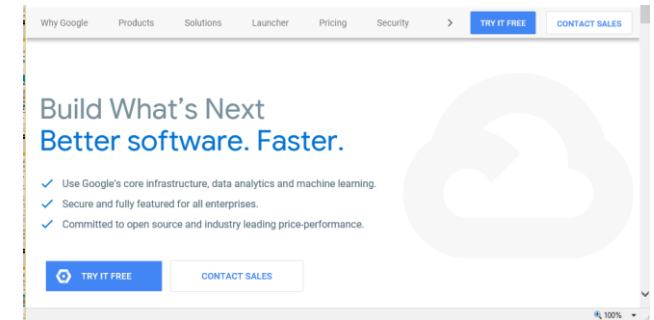
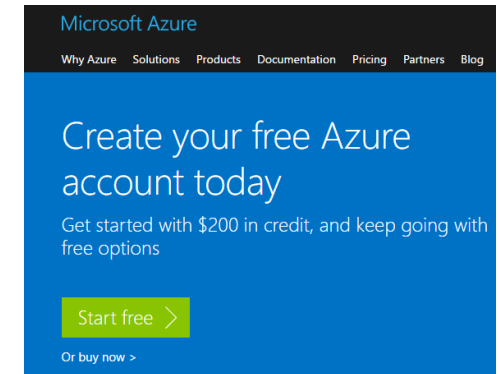


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Prerequisite: Obtain an account for Amazon AWS or Microsoft Azure or Google Cloud Platform

Prerequisite:

- Your own an account at Amazon AWS (EC2), Microsoft Azure\*, or Google Cloud Platform (GCP)
  - Register at <http://aws.amazon.com> / <http://azure.microsoft.com> / <https://cloud.google.com>
  - Details steps per provider in [SAP CAL Video Playlist](#) or [SAP CAL on sap.com](#)
- Have the credentials of your AWS / Azure / GCP account at hand for the next step



\*Azure Classic subscriptions are not supported, please use Azure Resource Manager.

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## Start the creation of your personal exercise instance

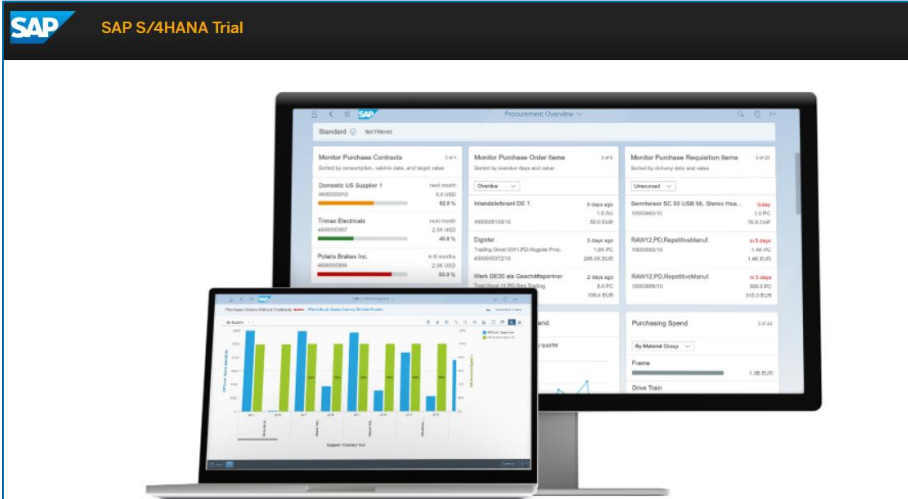
Step 1

### Step 1

- Go to the trial landing page  
<http://go.sap.com/cmp/oth/crm-s4hana/s4hana-on-premise.html>
- Choose **Start your 30-day trial**

Links on this page contain further information:

- Quick Start Guide (the one you're reading right now)
- Demo Walkthrough for the practical sample scenarios
- Overview blog of the appliance



The image shows the SAP S/4HANA Trial landing page. It features a large monitor and a laptop displaying various SAP S/4HANA dashboards. The monitor shows a 'Procurement Overview' dashboard with sections for 'Monitor Purchase Contracts', 'Monitor Purchase Order Items', and 'Monitor Purchase Requisition Items'. The laptop shows a bar chart dashboard. The page has a dark header with the SAP logo and 'SAP S/4HANA Trial' text.

### SAP S/4HANA Trial

Unlock your full business value with SAP S/4HANA – the next generation business suite

- Take advantage of our 30-day trial to explore SAP S/4HANA, the next generation ERP suite, utilizing the latest SAP S/4HANA 1709 Feature Package Stack 01 (FPS01.) [Read this blog](#) from the SAP Community on the 1709 trial release.
- Enjoy a personalized user experience that allows instant insight-to-action from any device and realize the power of running a live business
- Take the SAP S/4HANA trial which provides a complete on premise landscape, deployed via AWS or Azure, to explore the potential of a business suite that is immediate, intelligent, and integrated

Get started now and discover how a digital core can unlock new opportunities for your business in today's ever-changing economy.

[Follow this step-by-step guide to start your SAP S/4HANA 30-day trial >](#) [Explore practical scenarios in the SAP S/4HANA trial >](#)

[Start your 30-day trial](#)

<https://www.sap.com/cmp/oth/crm-s4hana/s4hana-on-premise-trial.html>

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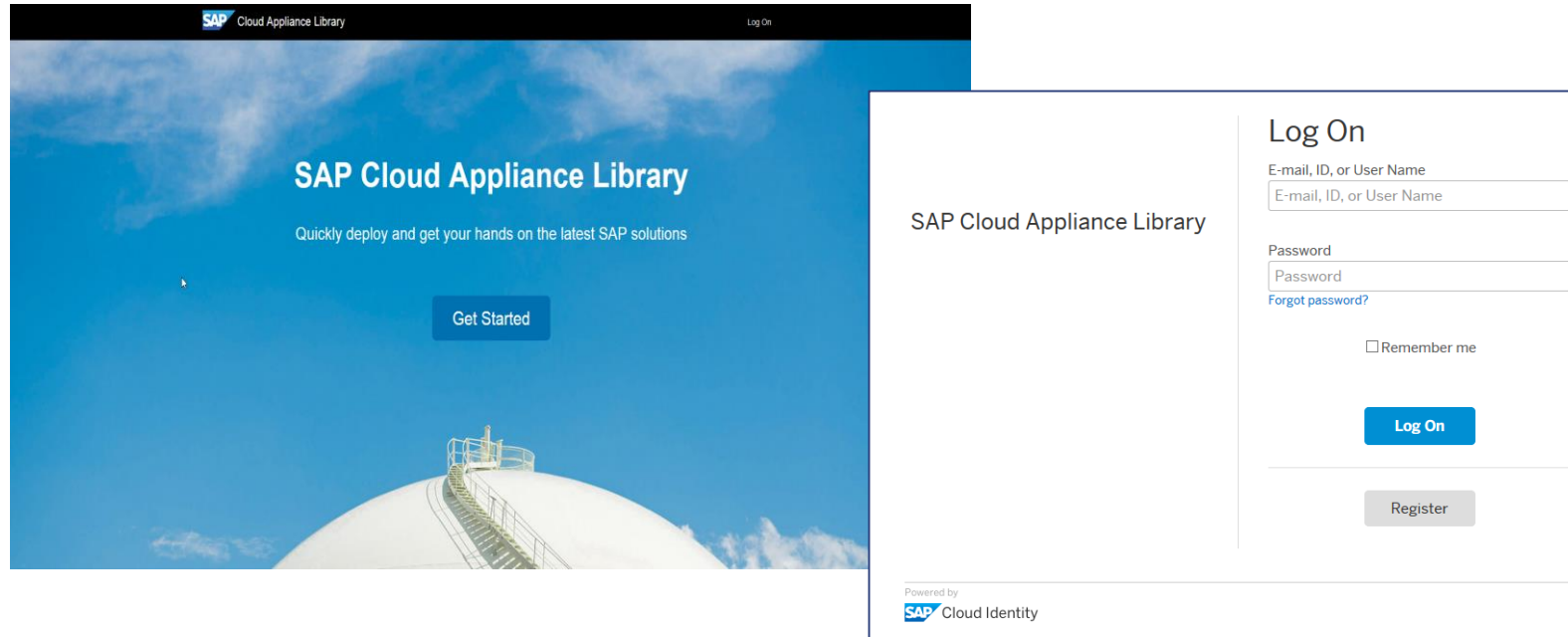
## Log on to SAP Cloud Appliance Library (SAP CAL)

Step 2

### Step 2

- You will get to the home screen of the SAP Cloud Appliance Library (SAP CAL)
- *Register* yourself as a new user (free of charge) for SAP CAL or *log on* with an existing SAP CAL user name/password

Background note: SAP CAL is the ‘bridge’ between SAP software and the AWS/Azure/GCP hosting environment. In the next steps, we will use SAP CAL to make a connection between these two worlds.



The image shows the SAP Cloud Appliance Library (SAP CAL) home screen and a modal log-on form. The home screen features a blue header with the SAP logo and 'Cloud Appliance Library' text, a 'Log On' link, and a large blue banner with the text 'SAP Cloud Appliance Library' and 'Quickly deploy and get your hands on the latest SAP solutions'. A 'Get Started' button is visible. The modal form, titled 'Log On', contains input fields for 'E-mail, ID, or User Name' and 'Password', a 'Forgot password?' link, a 'Remember me' checkbox, and 'Log On' and 'Register' buttons. The footer of the modal indicates it is 'Powered by SAP Cloud Identity'.



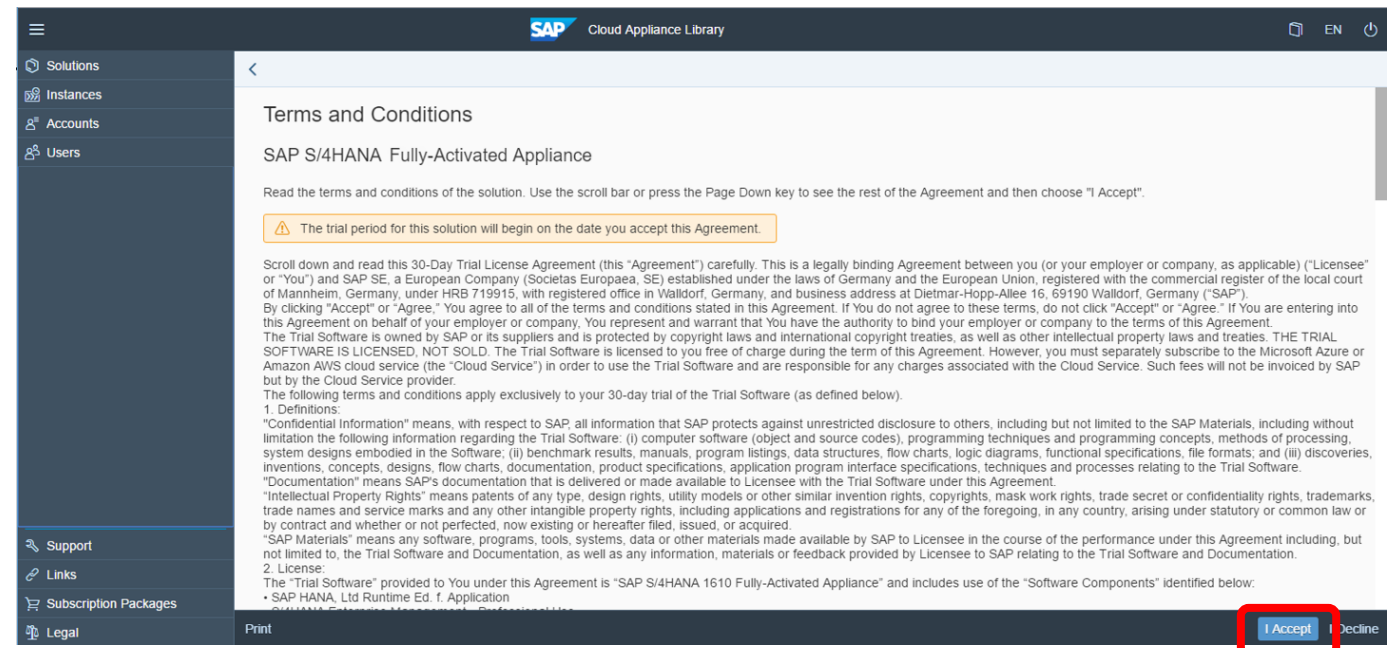
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## Accept Terms and Conditions for the 30-day trial period

Step 3

### Step 3

- After you entered your user credentials and logged on you will be presented with the Terms and Conditions. Scroll down to read.
- Choose **I Accept**.
- Important: The 30-day trial period starts when you accept the Terms and Conditions (and not when you create your first instance)



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## Select your workshop exercise solution

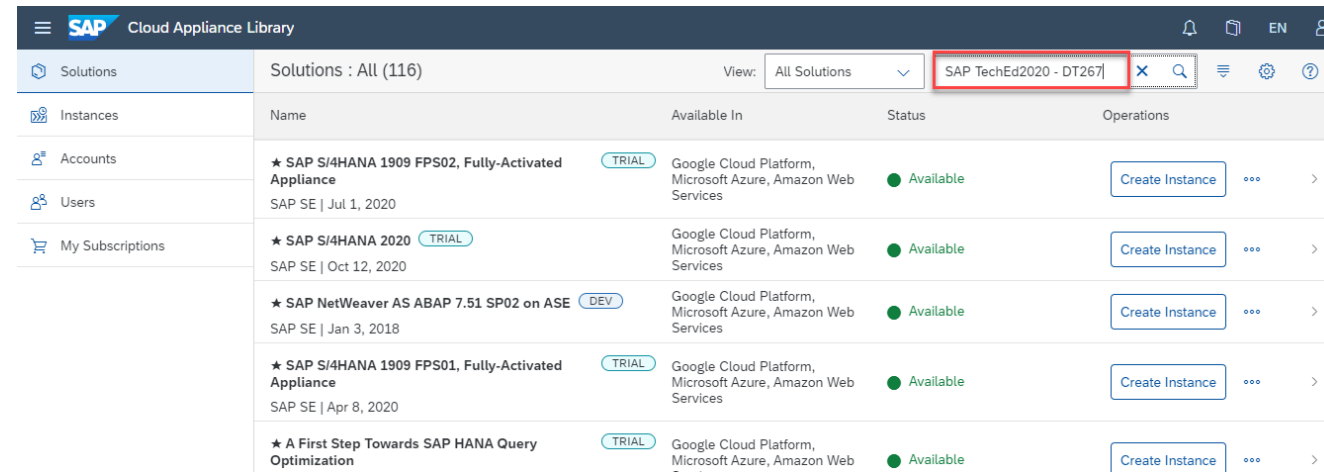
Step 4

### Step 4

In the *SAP Cloud Appliance Library Solutions* page you have to

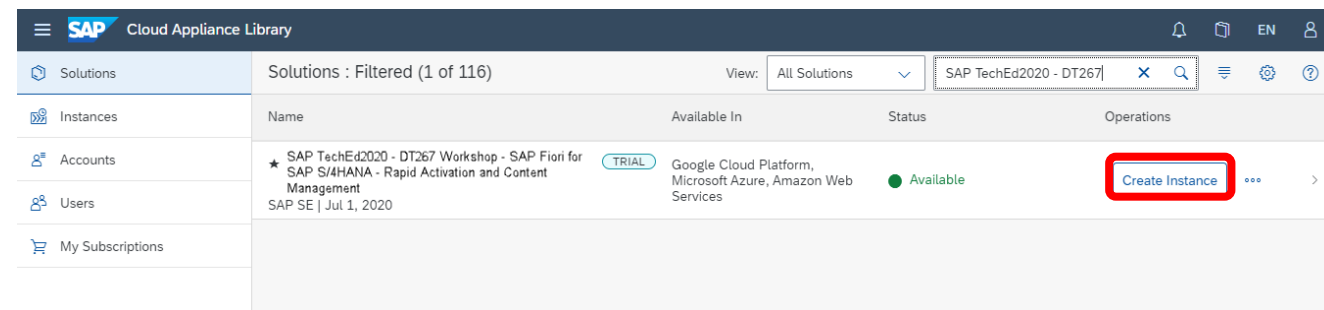
- Search for '**SAP TechEd2020 – DT267**' or only '**DT267**'

- Click **Create Instance** (note – if you need static IP addresses for your system, choose Advanced Mode)



The screenshot shows the SAP Cloud Appliance Library interface. The search bar at the top right contains the text 'SAP TechEd2020 - DT267'. The search results table lists several solutions, all of which are available for trial or development. The 'Create Instance' button is visible for each solution.

	Name	Available In	Status	Operations
Solutions	Solutions : All (116)			
Instances				
Accounts	★ SAP S/4HANA 1909 FPS02, Fully-Activated Appliance SAP SE   Jul 1, 2020	Google Cloud Platform, Microsoft Azure, Amazon Web Services	Available	Create Instance ...
Users				
My Subscriptions				
	★ SAP S/4HANA 2020 SAP SE   Oct 12, 2020	Google Cloud Platform, Microsoft Azure, Amazon Web Services	Available	Create Instance ...
	★ SAP NetWeaver AS ABAP 7.51 SP02 on ASE SAP SE   Jan 3, 2018	Google Cloud Platform, Microsoft Azure, Amazon Web Services	Available	Create Instance ...
	★ SAP S/4HANA 1909 FPS01, Fully-Activated Appliance SAP SE   Apr 8, 2020	Google Cloud Platform, Microsoft Azure, Amazon Web Services	Available	Create Instance ...
	★ A First Step Towards SAP HANA Query Optimization	Google Cloud Platform, Microsoft Azure, Amazon Web Services	Available	Create Instance ...



The screenshot shows the same SAP Cloud Appliance Library interface, but the search results are filtered to show only one solution. The 'Create Instance' button for this solution is highlighted with a red box.

	Name	Available In	Status	Operations
Solutions	Solutions : Filtered (1 of 116)			
Instances				
Accounts	★ SAP TechEd2020 - DT267 Workshop - SAP Fiori for SAP S/4HANA - Rapid Activation and Content Management SAP SE   Jul 1, 2020	Google Cloud Platform, Microsoft Azure, Amazon Web Services	Available	Create Instance ...
Users				
My Subscriptions				

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## Enter your AWS/Azure/GCP account and create your personal SAP S/4HANA system

Step 4  
(Cont.)

### Step 4

In the *SAP Cloud Appliance Library Instance Creation* page you have to specify your cloud provider account (see step 1)

- Click *‘Create a new account’* (or click *‘existing account’* if you already have entered a cloud provider account before)
  - Enter a name and description for the cloud provider account
  - Choose your Cloud Provider (this slide takes AWS as example)
  - Enter credentials / certificates (as obtained from your cloud provider)
  - *Test Connection* lets you verify the credentials
- Enter *Instance Details* (this will become your personal S/4HANA system)
  - *Name* of the instance (this will show up in the CAL console)
  - The data center *region* where you would like the appliance to be hosted (typically close to you)
- Define the master *password* for your appliance (this will be assigned to various administrator users e.g. HANA SYSTEM user, or remote desktop Administrator)
- Click **Create** (note – if you need *static IP addresses* for your system, choose *Advanced Mode*)

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## Notes on cost forecast

Step 4  
(Cont.)

### Step 4 (additional information):

#### Remarks on next 30 days cost forecast:

- An initial cost estimation for the hosting costs is displayed, based on the recommended default sizing of the appliance (see earlier in this presentation).
- This contains an per-active-hour component and a monthly flat fee for disc storage
- Important: This is a cost estimation, not a guaranteed price offer. Please make sure that you understand the cost calculation of your cloud provider:
  - AWS: <https://calculator.aws/#/>
  - Azure: <https://azure.microsoft.com/en-us/pricing/calculator/>
  - GCP: <https://cloud.google.com/products/calculator/>
- In the Advanced Mode for the instance creation, you can enhance the sizing of the different virtual machines, and opt-out of the BI Platform or the Remote Desktop which will save some costs (opt-out can not be undone).

#### Solution

SAP TechEd2020 - DT267 Workshop - SAP Fiori for SAP S/4HANA - Rapid Activation and Content Management Account

My AWS account

Amazon Web Services

#### Cost Forecast

##### Disclaimer

USD 3.47 per hour when Active

USD 87.20 per month when Suspended



Note that you will be charged by the cloud provider for this solution instance and its associated storage.

To reduce additional costs, your instance will be suspended after 8 hours.

All virtual machines for this solution will be activated. If you do not use all virtual machines, go to the Advanced Mode to deselect them.

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Step 5

Download private key for the instance (only needed for backend Linux operating system access)

## Step 5

- When prompted for the private key, choose *Store*
  - Note: The private key is a small .PEM text file and it is only needed in case you want to access the Linux operating system of the trial landscape (see [here](#) for instructions)
  - If you store the key within CAL in this step, you can download it later from CAL
  - If you download the key in this step, you can not store it again within CAL but have to keep it stored locally on your computer (potentially encrypted with a password).
- The system will now be created in your AWS/Azure/GCP account. Time for this may vary depending on provider, region and current system load (~ 2 hours should suffice in most cases).
- You may access the remote desktop earlier but creation of the SAP S/4HANA system will take longer than the remote desktop creation (so even if you can enter the remote desktop already, the SAP S/4HANA system might not be responding yet).
- In general, the initial clicks in the system will be slow (until caches are pre-filled), as for all newly brought up SAP systems.

Private Key

*i* The private key for accessing the solution instance has been generated.

To keep the private key for later use, store it in SAP Cloud Appliance Library.

The private key has not been stored.

**Store**

Download and save the private key locally as a privacy enhanced mail file (.PEM file extension).

☒ Encrypt the private key with a password

Password

Retype Password

**Download**

Close

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Instance is ready in *Instances* tab

Step 6

## Step 6

- After the deployment time your system is ready for logon.
- Clicking on the instance name lets you view the details of the instance (see steps 7&8)
- The *Connect* button provides direct logon access to
  - Remote Desktop
  - SAP GUI
  - BI Launchpad
  - SAP NetWeaver administrator (JAVA)
- Fiori Launchpad access works either via Remote Desktop (see step 9)

SAP Cloud Appliance Library

Joerg Wolf EN

Solutions

Instances

Accounts

Reports

Instances : Filtered (2 of 129)

View: All Instances joerg 1809

Name	Owned By	Created On	Scheduled	Status	Operations
My SAP S/4HANA Fully-Activated Appliance SAP S/4HANA2020 Fully-Activated Appliance		Dec 4, 2020 14:20:54	No	Active	Connect ...

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## IP addresses for instance connection & further settings

Step 7

### Step 7

- On the **General Properties** tab of the details page you can see the IP addresses of the instance components
  - SAP S/4HANA (ABAP)
  - SAP NW JAVA with Adobe Document Services
  - Windows Remote Desktop

The screenshot displays the SAP Cloud Appliance Library (CAL) interface. The left sidebar shows the navigation menu with 'Instances' selected. The main content area shows the details for 'My SAP S/4HANA Fully-Activated Appliance'. The 'IP Addresses' section is highlighted, showing the following information:

IP Address	Description
10.0.78.108	SAP S/4HANA 1809 & SAP HANA DB (based on SAP Netweaver AS ABAP 7.53) Internal IP Address
54.90.157.176	SAP S/4HANA 1809 & SAP HANA DB (based on SAP Netweaver AS ABAP 7.53) External IP Address
10.0.78.164	Windows Remote Desktop Internal IP Address
54.196.25.156	Windows Remote Desktop External IP Address

The 'External IP Address' labels are highlighted with red boxes. The 'More' button is visible at the bottom of the IP Addresses section.

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## Controlling and administering your instance

Step 8

### Step 8

- On the instance overview page you can control your instance
  - *Suspend* creates a snapshot of the current instance state and puts the instance into a sleep mode (takes ~5-10 minutes). This will save hosting costs since the hosting providers will only charge a small fee for system storage.  
By default, the solution will automatically be suspended after 8 hours. Use “Schedule Configuration” in the details page to define your own ‘uptime’ schedule
  - *Activate*: Once the appliance is suspended, an Activate button will appear in the UI that lets you wake up the instance again (takes ~10-15 minutes). Data and state of the instance at the time of ‘Suspend’ are preserved.
  - *Terminate* will erase the instance. This action can not be undone, however, you can create a new instance if you terminated an instance accidentally. Select the ‘*Termination Protection*’ checkbox to avoid accidental termination of the instance
  - For further control options, please see the SAP CAL documentation

The screenshot shows the SAP S/4HANA Fully-Activated Appliance management interface. The sidebar on the left contains links for Solutions, Instances, Accounts, and Reports. The main content area displays details for 'My SAP S/4HANA Fully-Activated Appliance', including ownership, creation date, last activation, and next suspend date. A red box highlights the 'SCHEDULE' tab in the navigation bar. Another red box highlights the 'Termination Protection' checkbox, which is checked. A third red box highlights the 'Reboot', 'Terminate', 'Back Up', 'Create Solution', and 'Copy Link' buttons in the top right corner.



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## System connection via Windows remote desktop

Step 9

### Step 9a: Connecting to system via Windows Remote Desktop

- Click on Connect to display the access links to the system
- Click on 'RDP / Windows Remote Desktop' to use the embedded remote desktop  
→ Continue with step 9b.

The screenshot displays the SAP Cloud Appliance Library interface. On the left, a sidebar contains navigation links: Solutions, Instances (selected), Accounts, and Reports. The main area shows a list of instances, with the first instance highlighted: "My SAP S/4HANA Fully-Activated Appliance". The instance details show "SAP S/4HANA 2020, Fully-Activated Appliance". A modal window is open, displaying connection options for the selected instance. The modal lists four options: HTTPS (Application: SAP NetWeaver Administrator), SAP GUI (Instance Number: 00, Client: 100), RDP (Virtual Machine: Windows Remote Desktop), and HTTP (Application: BI launch pad). The RDP option is highlighted with a red box, and its "Connect" button is also highlighted. In the background, the "Connect" button in the instance's "Operations" column is also highlighted with a red box.

Name	Owned By	Created On	Scheduled	Status	Operations
My SAP S/4HANA Fully-Activated Appliance					<a href="#">Connect</a> <a href="#">...</a>
SAP S/4HANA 2020, Fully-Activated Appliance					

HTTPS Application: SAP NetWeaver Administrator [Open](#)

SID: S4H

SAP GUI Instance Number: 00 [Connect](#)

Client: 100

RDP Virtual Machine: Windows Remote Desktop [Connect](#)

HTTP Application: BI launch pad [Open](#)

# TechEd 2020 – DT267 Workshop Exercise

## System connection via Windows remote desktop

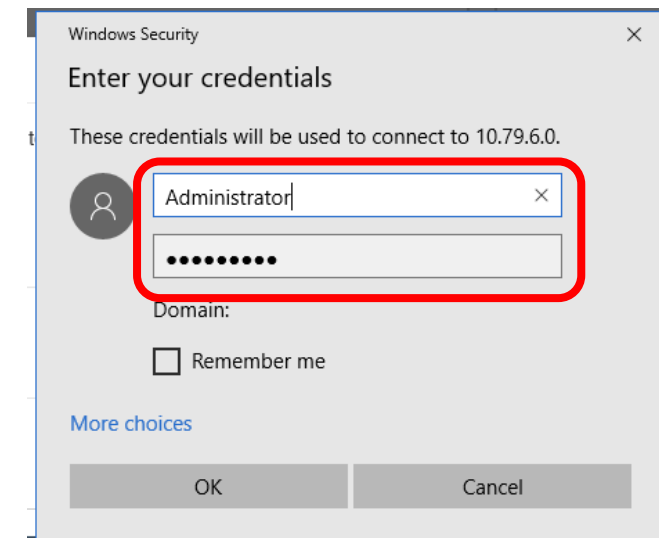
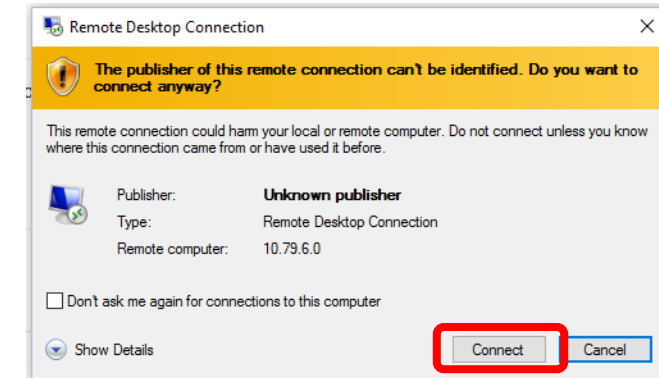
Step 9  
(cont.)

### Step 9b: Log on to Windows Remote Desktop

- Confirm the pop-up window to allow Remote Desktop Connection
- The user for the remote desktop is 'Administrator' with your <master password> that you set in step 4

#### Note:

Depending on your local computer domain settings, you might need to use "More choices → Use a different account → <IP address of remote desktop>\Administrator" as user (e.g. for the screenshot on this slide it would be 10.79.6.0\Administrator)



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## System connection via Windows remote desktop

Step 9  
(cont.)

### Step 9c: 'Start working on Windows remote desktop

- You are now in the pre-configured Windows remote desktop
- The Welcome page (icon up left on remote desktop) lists a Fiori Launchpad URL and the user FIORIADMIN for running the exercise scenario.
- See the section “Access to your Exercise Document” to get the exercise document from a GitHub account.

Recycle Bin

Welcome - Shortcut

SAP Logon

SAP Fiori Launchpad

EC2 Feedback

EC2 Micros...

Windows title bar: TechEd2020+ (DT267)+SAP+ Fiori+ Rapid+ Activation+ and+ Content+ Management+ Exercise - 54.163.185.98 - Remote Desktop Connection

Browser address bar: Welcome to SAP Fiori for SAP S/4HANA - Rapid Activation and Content Management (DT267)

Browser tabs: Apps, SAP Fiori Logon, SAP Fiori launchpa...

### SAP TECHED Welcome to SAP Fiori for SAP S/4HANA - Rapid Activation and Content Management (DT267)

#### About this remote desktop

This remote desktop is part of the exercise "SAP Fiori for SAP S/4HANA Rapid Activation and Content Management" (DT267) that you have created via the SAP Cloud Appliance Library console (SAP CAL). The exercise is based on the SAP S/4HANA 2020 FPS0 Fully-Activated Appliance.

It is the easiest access to your SAP S/4HANA backend system, but you can access your system also via frontend tools that are installed on your local computer. For details, please see the [Getting Started Guide](#) that is linked from your personal system instance in the SAP CAL console (<https://cal.sap.com> -> Instances).

**Note on SSL certificates:**  
A certificate (self-signed by SAP) provides single sign-on features when using Chrome on this remote desktop against the SAP S/4HANA 2020 Fully-Activated Appliance. When accessing the Fiori Launchpad on other browsers / machines, you will encounter browser messages about untrusted sites, unsecure connections, unknown certificates or blocked pop-up windows (the detailed message text varies by browser). Please confirm these messages and continue.  
If you would like to call the SAP S/4HANA Fully-Activated Appliance from other environments that require a trusted certificate (e.g. SAP Analytics Cloud or SAP Cloud Platform), please check the SAP documentation how to import your own trusted certificate into the appliance.

#### Access to your system

##### Access via SAP Fiori Launchpad

You can start exploring the [SAP Fiori Launchpad](#) in client 100 with the users in the below table.

User (client 100)	Demo scenario usage	Password
FIORIADMIN	User required for exercise which is making use of Fiori Launchpad Tools in SAP S/4HANA	Welcome1
BPINST	Administrative all-purpose user <b>Caution:</b> very long loading times in Fiori	Welcome1

##### Access via SAP GUI

Connect to the SAP backend system via SAP Logon, using the same users mentioned above for Fiori Launchpad. They all have the SAP\_ALL profile assigned. The available clients are listed on the system logon screen or in the [Getting Started Guide](#) that is linked from your personal system instance in the SAP CAL console (<https://cal.sap.com> -> Instances). The above users only exist in client 100 (as main demo client), for the other clients, please log on with user BPINST / Welcome1.

#### Access to your Exercise Document

Please log in to your GitHub account <https://github.com/login> and open your exercise document from this link: <https://github.com/SAP-samples/teched2020-DT267>

# **TechEd 2020 – DT267 Workshop Exercise**

Running the appliance as trial for a 30-day period

This solution can be used with a 30-day free trial license agreement (during this period, you only need to bear the hosting fees of your cloud provider). You will be asked to agree to the agreement during the instantiation steps.

During the instantiation, the SAP system will generate a temporary license key that is enough for exploration purposes. After the expiration of the pre-installed temporary license a valid license is required to keep using the solution instance.

Note that you are not allowed to install license keys under the free trial license agreement.

If you want to run the exercise beyond the free 30-day trial period, you can make use of the solution “SAP S/4HANA 2020, Fully-Activated Appliance”.

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## Exercise Support

### GitHub account during TechEd

- For your requests of comments please use the issue function in [teched2020-DT267](#)

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