

Lab 01: Overview and Prerequisites

Hands-on lab Step-by-Step

March 2020

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Lab Overview and Pre-requisites

This beginner-level lab gives you hands-on experience designing and developing a virtual agent. We'll show you the steps to build your bot in less than a day. This lab is subject to the Terms of Use on page 34 of this document.

Here's what you'll learn:

- **Power Virtual Agents:** Create a Virtual Agent and test it in the demo website. Then, monitor the performance of the Virtual Agent.
- Power Automate: Make the Virtual Agent (VA) more powerful by integrating Power Automate for actions and connecting to Common Data Services to access customer data.
- **Conversational Design:** Craft great customer experiences and create successful virtual agent conversations by going through those conversational design principles and exercises.

Goal for Lab 1:



This lab will lay the groundwork for your bot. You will:

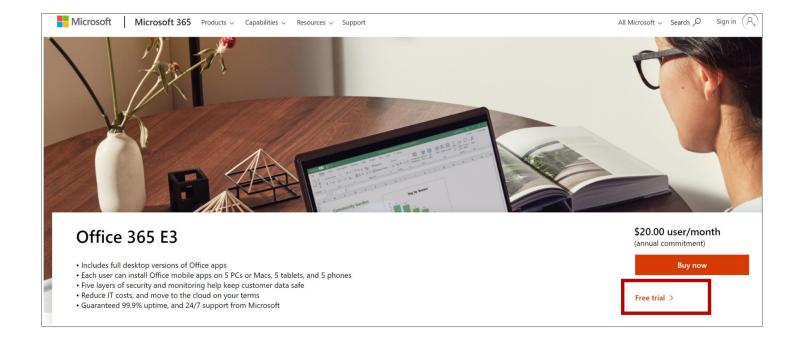
- Create a trial account and set up a tenant
- Create a new environment
- Import Power Virtual Agents in a Day solution package and Device Ordering app to generate test data to complete the remaining labs



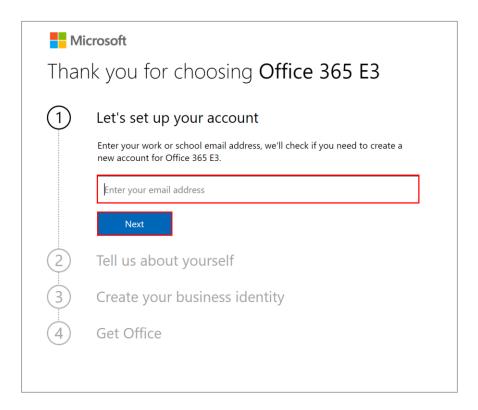
The time to complete this lab is [45] minutes.

Task 1: Set up a tenant

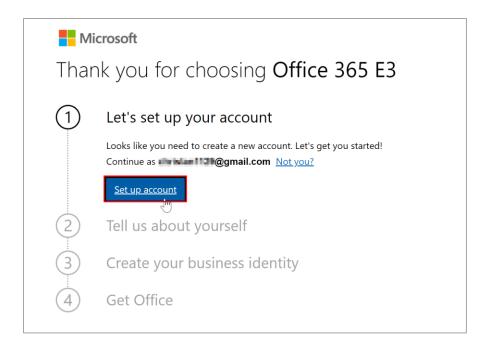
- You need to have a valid tenant (Azure Active Directory) set up for the PVA in a day training. Skip this task if you do.
- If you don't have an existing tenant, you can set one up through Office E3 trial portal.
- 1. Open a private browser and navigate to https://products.office.com/en-us/business/office-365-enterprise-e3-business-software
- 2. Select Free Trial to navigate to trial sign up page.



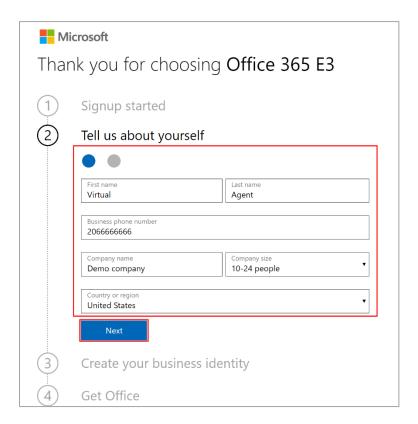
3. Enter your email address and click Next.



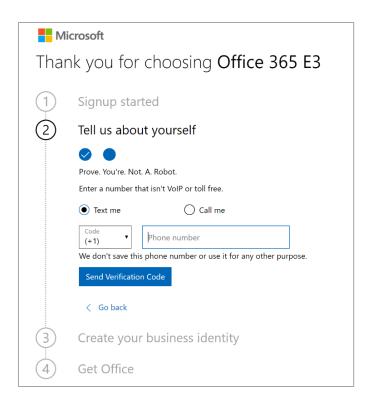
4. Click Set up account.



5. Fill in your information and click **Next**.



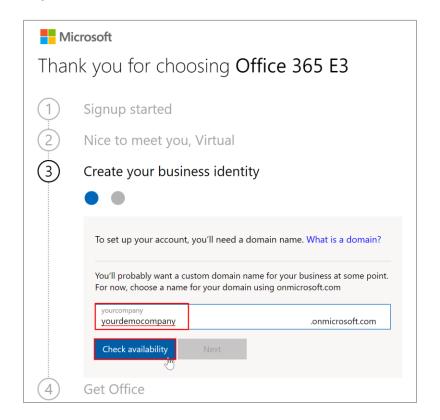
6. You'll be asked to verify you identify using either phone call or text message. Follow directions and confirm your identity by specifying phone number.



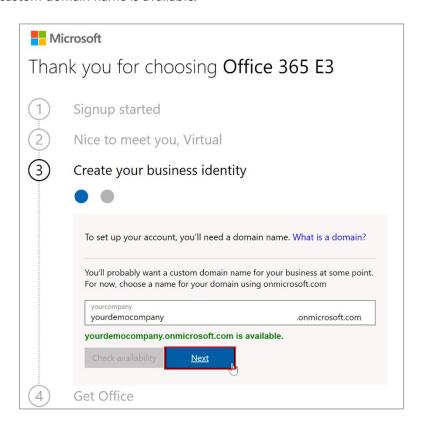
7. On the create your user ID page, fill in information for an administrator user and select your tenant domain.

Note: the tenant domain must be unique.

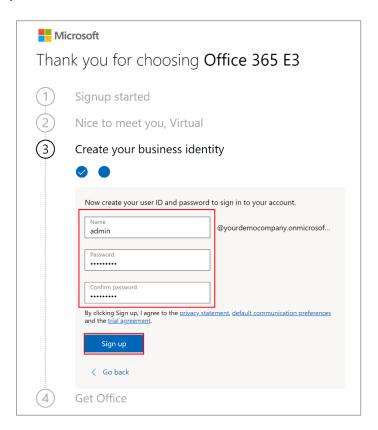
8. Click Check availability.



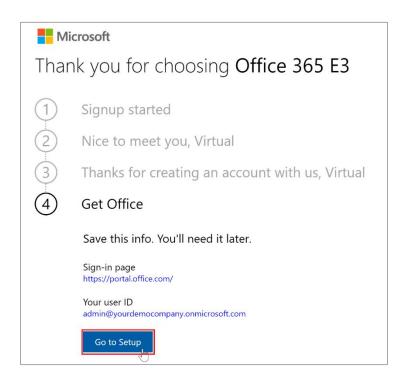
9. Click **Next** if the custom domain name is available.



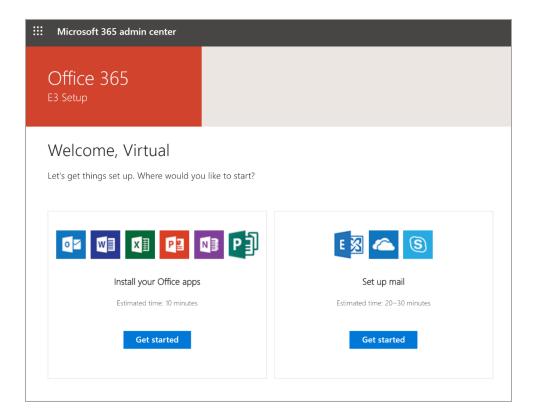
10. Now, let's create your user ID and password to sign in to your account. Once you fill out your user name and password, click **Sign Up**.



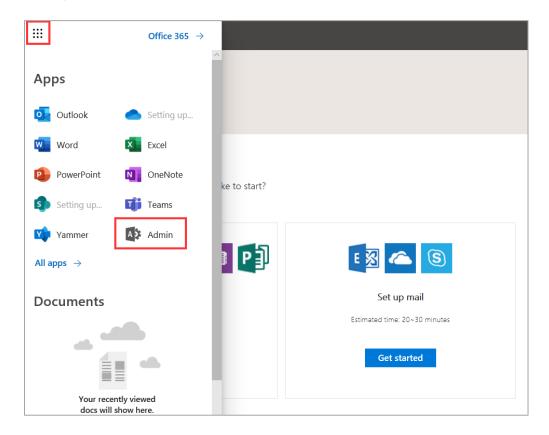
11. Wait while the tenant is created. It usually takes less than 1 min. Then click **Go to Setup**. This will navigate you to **Office admin portal.**



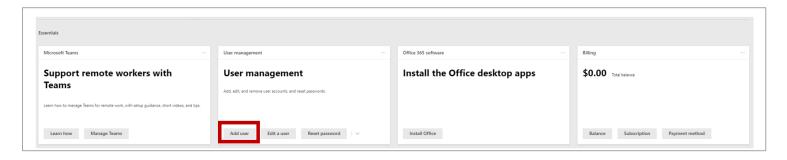
12. Now, navigate back to the Office Admin Portal (https://admin.microsoft.com) to add users and assign licenses in Product licenses.



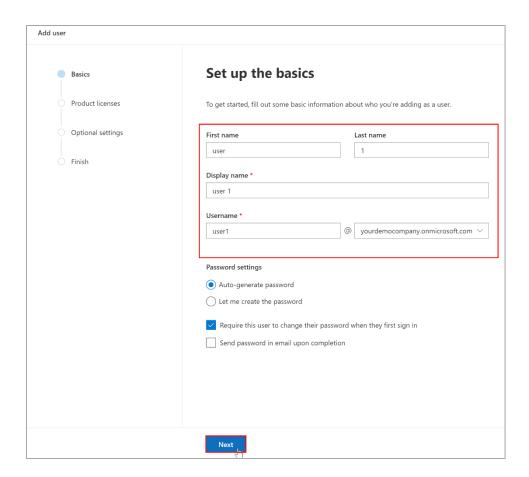
13. Click on menu top left corner and select "Admin".



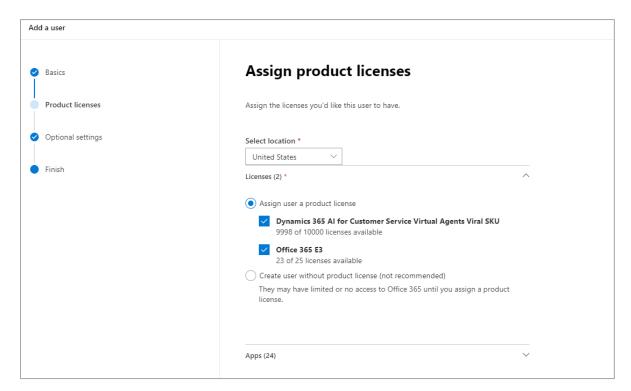
14. Select Add User in Microsoft Admin center.



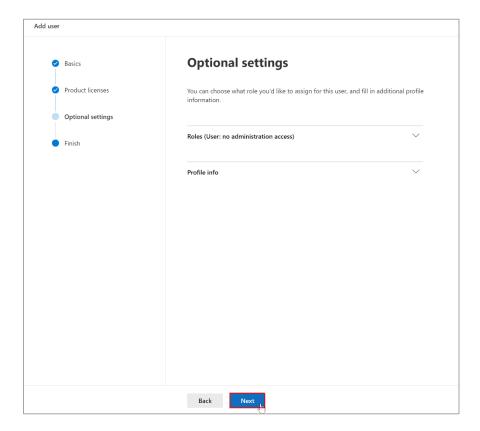
15. Fill in user details and select Next.



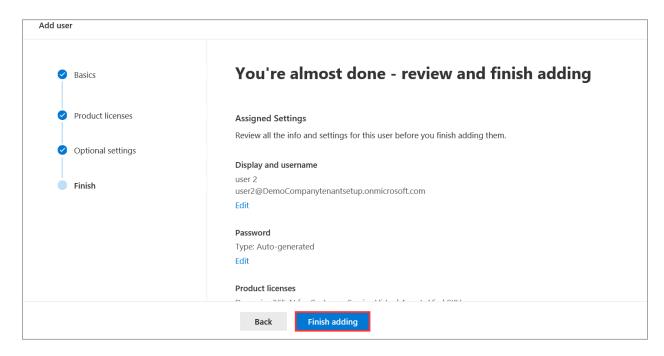
16. Now, you can assign licenses in Product licenses and click Next.



17. You can skip the **optional settings**.



18. Click Finish adding.



19. Congratulations! You had successfully added a new user.



user 1 has been added

You've successfully added a new user. They'll now appear in your list of active users.

User details

Display name: user 1

Username: user1@yourdemocompany.onmicrosoft.com

Password:

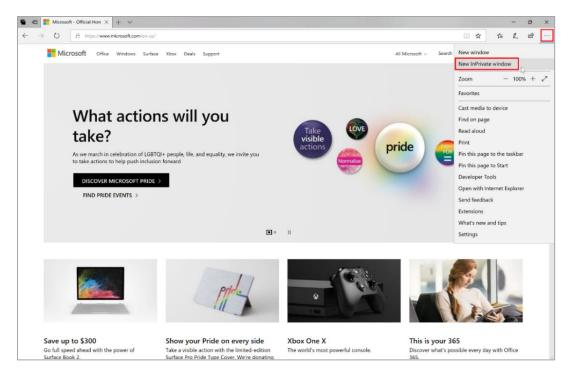
Task 2: Create a trial environment

You'll create a Power Apps trial environment to explore Power Virtual Agents and Power Automate.

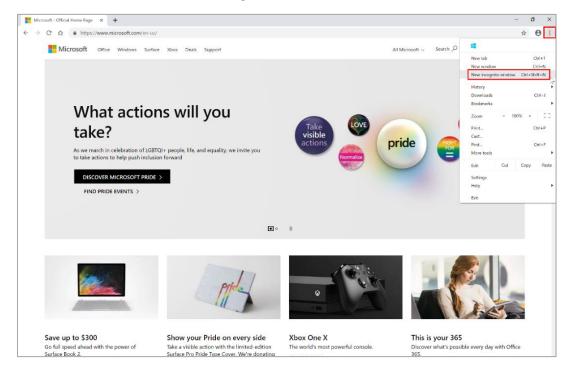
Warning: When your trial expires in 29 days, your data and any customizations will be deleted.

You may want to save your work to use in another environment. To do that, export your work as a solution after you complete all the exercises in the Virtual Agent in a Day training.

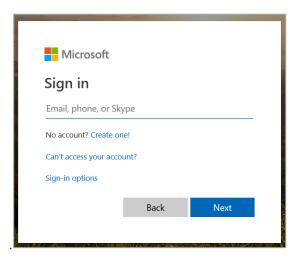
- 1. Open a test window
- → If you're in Edge, open a New InPrivate Window.
 - To open a New InPrivate Window in Edge: click ... I.
 - II. Then, select New InPrivate Window.



- → If you're in Chrome, open a New Incognito Window.
 - I. To open New Incognito Window in Chrome: click
 - II. Then, select New Incognito Window.



2. Sign in: copy and paste this link: https://admin.powerplatform.microsoft.com/environments, and sign in with the test account you just created.

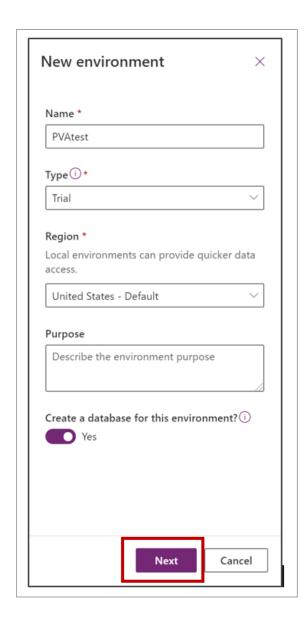


3. Select New Environment.

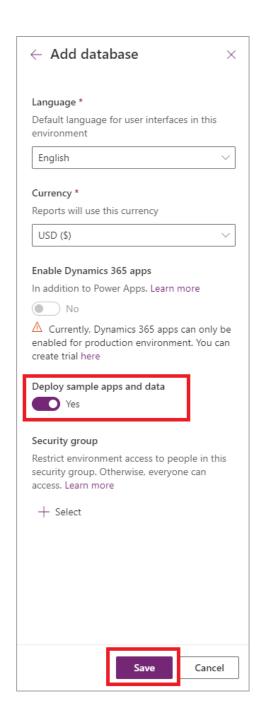


- 4. Fill in the fields in the New environment dialog box with these values and select **Next** to continue.
 - Environment Name: PVAtest
 - Type: Trial
 - Region: United States (default)
 - Create a database for this environment? Yes

Note: Creating an environment may take up to one minute.



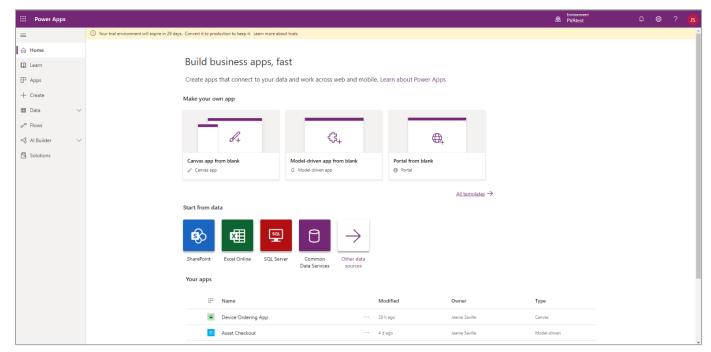
- 5. Specify values in the dialog box, choose Yes to deploy sample apps and data and click Save to create a new environment.
 - Language: English
 - Currency: USD
 - Select the "Include Sample Apps and Data" option
 - Click "Save"



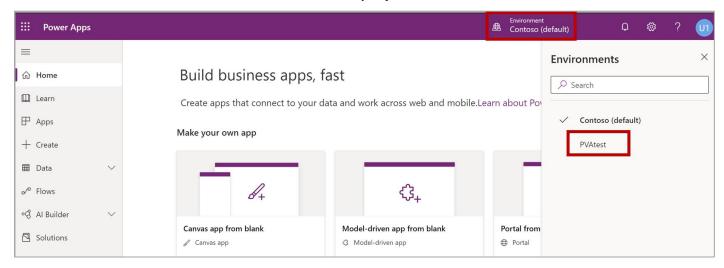
6. Wait until the environment has been created successfully. Once that's done, you are ready to create your first virtual agent.

Task 3: Import Power Virtual Agents in a Day solution package

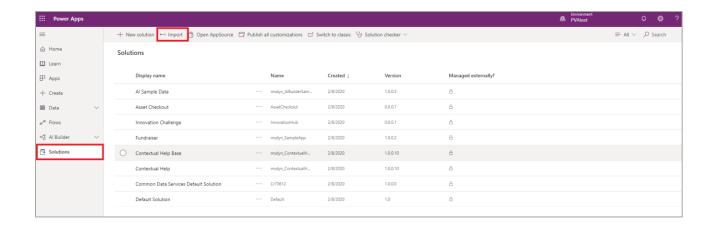
- 1. Download the latest solution SolutionPowerVirtualAgentInADay.zip
- 2. Copy and paste https://web.powerapps.com/ into your Edge or Chrome incognito window.



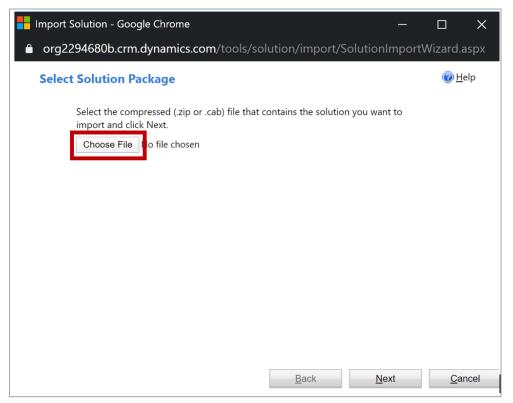
3. Click the environment icon and select the environment you just created in Task 2: Create a trial environment.



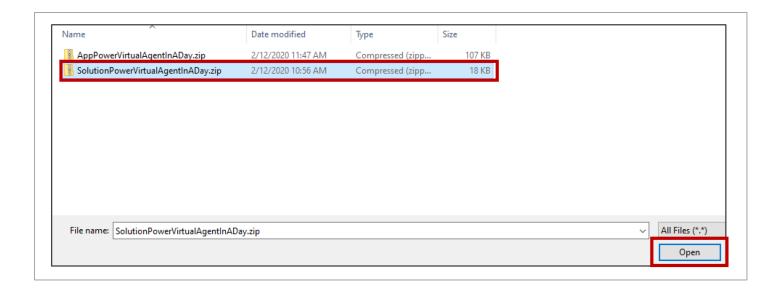
4. Select Solutions and click Import.



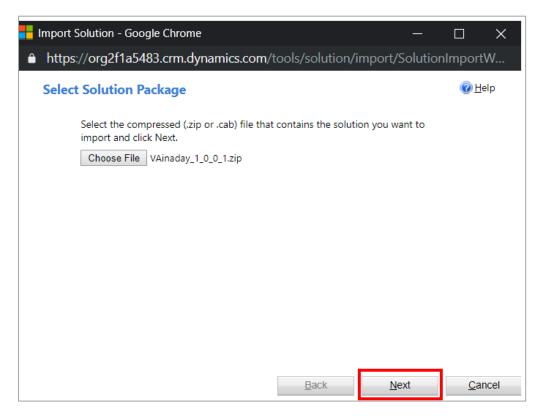
5. Click Choose File after the Import Solution page pops up.



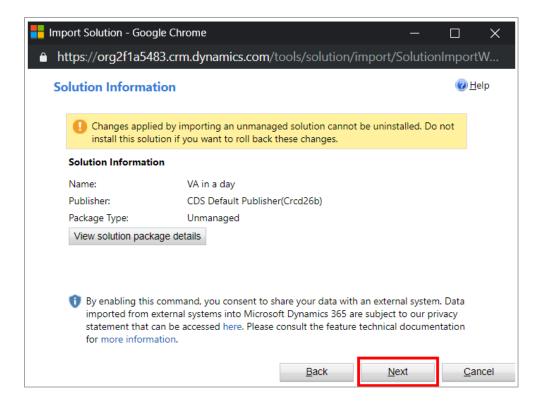
6. Select SolutionPowerVirtualAgentInADay.zip and then select **Open**.



7. Select Next.

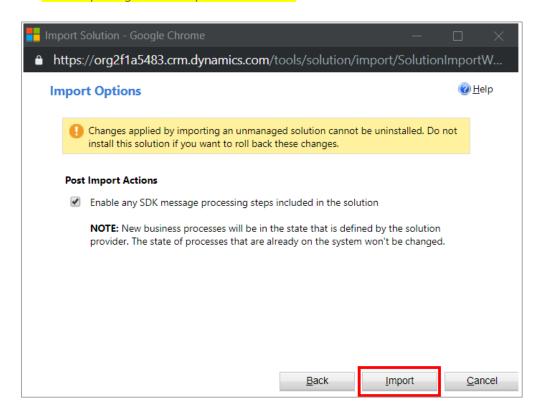


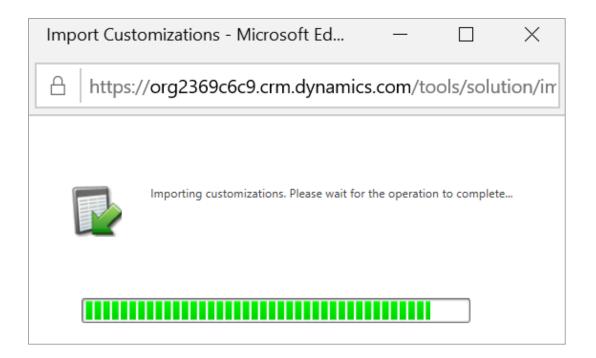
8. Select Next to continue.



9. Now, select **Import** (ignore the warning message.)

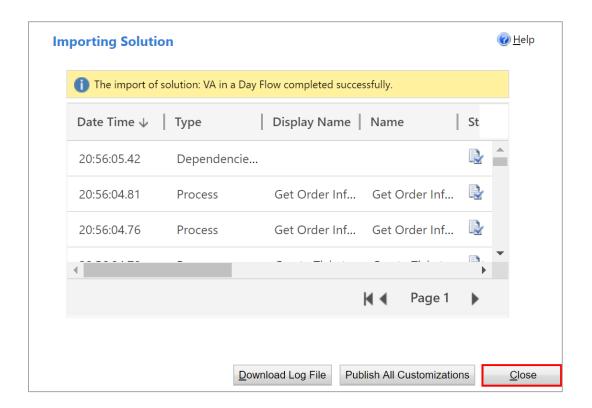
Note: Importing can take up to two minutes.





10. Wait for the import to complete and then select **Close**.

Note: You don't need to click Publish All Customizations.



11. Now, you can see the VA in a Day Flow solution.

Solutions				
Display name	Name	Created ↓	Version	Managed externa
VA in a day	 VAinaday	3/26/2020	1.0.0.1	a
Al Sample Data	 msdyn_AlBuilderS	3/26/2020	1.0.0.5	А
Asset Checkout	 AssetCheckout	3/26/2020	0.0.0.1	А
Innovation Challenge	 InnovationHub	3/26/2020	0.0.0.1	А
Fundraiser	 msdyn_SampleApp	3/26/2020	1.0.0.4	А

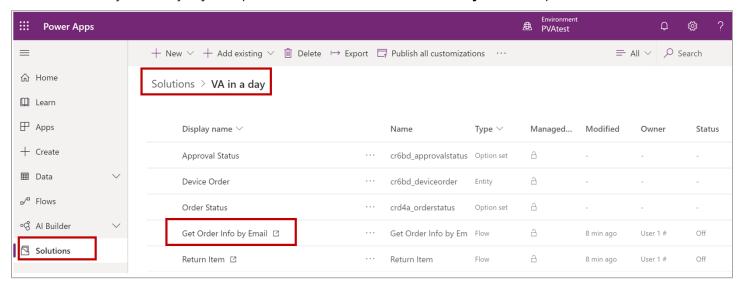
12. Click **VA in a day solution** — you'll see the pre-built Power Automate flows you have, as shown below:

Solutions > VA in a day												
	Display name \vee		Name	Type \vee	Managed	Modified	Owner	Status				
	Approval Status		cr6bd_approvalstatus	Option set	a	-	-	-				
	Device Order		cr6bd_deviceorder	Entity	a	-	-	-				
	Order Status		crd4a_orderstatus	Option set	a	-	-	-				
	Get Order Info by Email ☑		Get Order Info by Em	Flow	a	4 min ago	User 1 #	Off				
	Return Item 🖸		Return Item	Flow	â	4 min ago	User 1#	Off				

IMPORTANT: Power Automate Flows are in **Off** Status. That's because they're connected to external systems, and those connections need to be created before you can use them. In the next task, you'll fix those connections and change the Status to On.

Task 4: Make Flow Connections

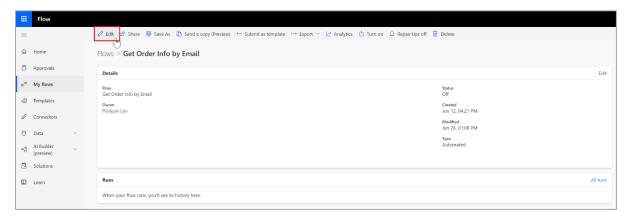
1. In VA in a Day solution you just imported, find and click Get Order Info by Email to open the flow.



2. In the **Get Order Info by Email** Flow, you will see this flow is turned off.



3. Click **Edit** to edit the Flow.



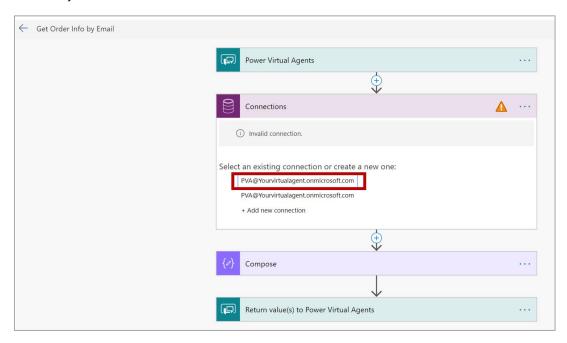
4. Select **Connections**



(it will be marked with warning sign



5. Then, select your test account in the list.



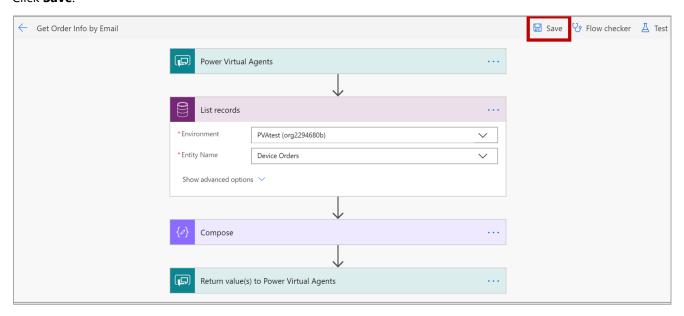
If your account isn't listed:

- Click Add new.
- Sign in with your account (it may automatically connect to your account after you click Add new.)
- With the right connection in place, the name of the node changes to Create a new record (or List Records) Click on this and you'll see that the has disappeared.

Note: Make sure you select the environment you created (PVAtest) and Device Orders under Entity Name.

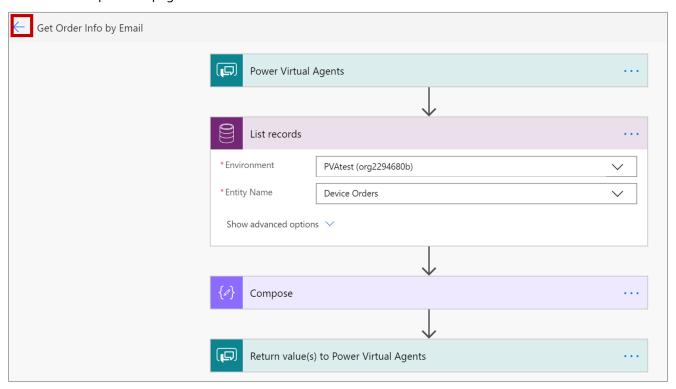


6. Click Save.

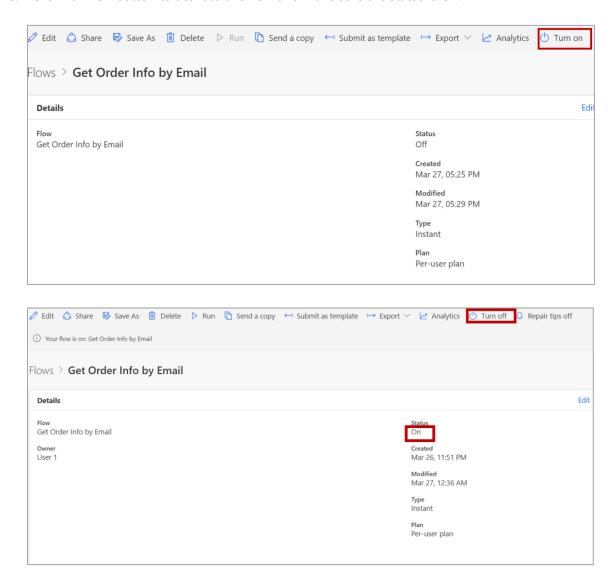


Note: You won't be able to save your changes when your Flow is active. You'll need to deactivate the Flow and then save.

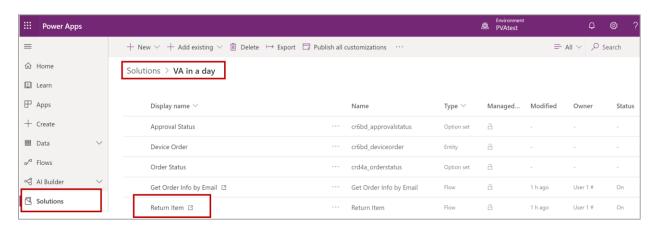
7. Go back to the previous page.



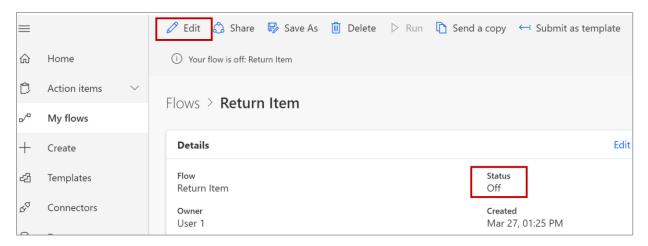
8. Click **Turn on** button to activate this flow and make sure the status is **On**.



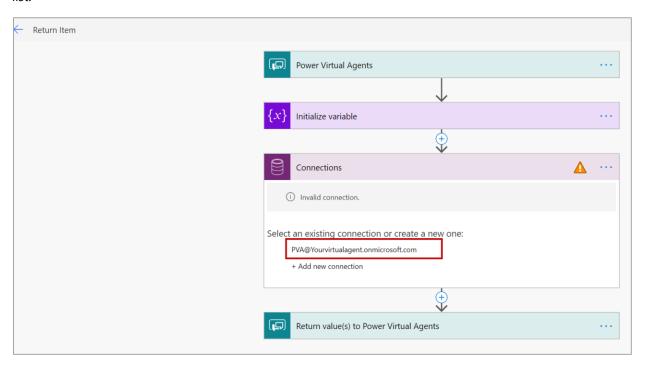
9. Go back to VA in a Day solution, find and click **Return Item** to repeat the process.



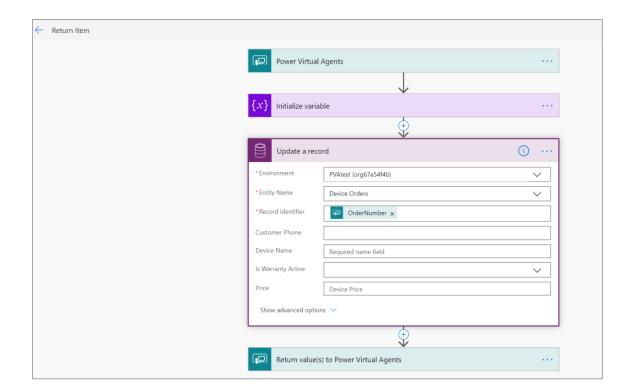
10. Make sure the status is Off and click **Edit** to edit the Flow.



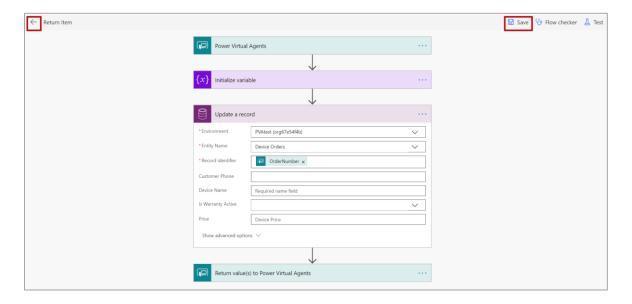
11. Click **Connections** (it will be marked with warning sign) and select your test account in the list.



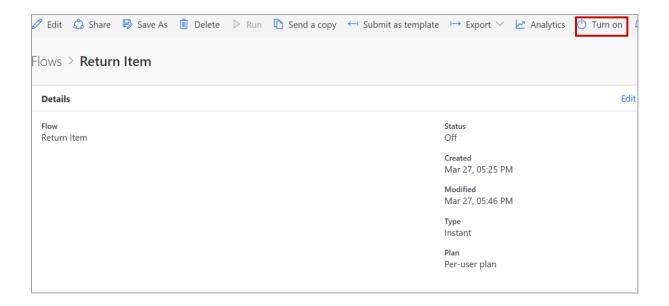
It will look like this:



12. Click **Save** and go back to the previous page.

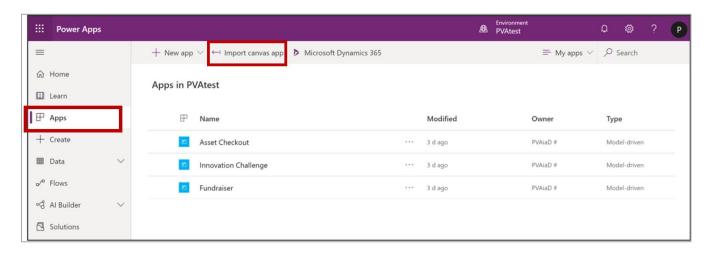


13. Click **Turn on** button to activate this flow and make sure the status is **On**.



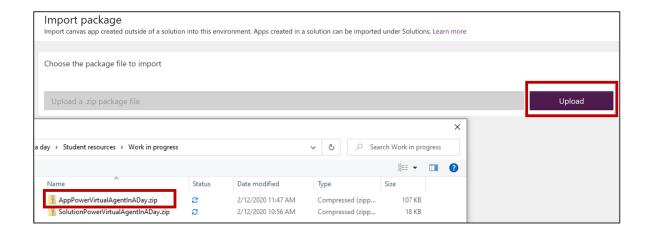
Task 5: Import the application

- 1. Navigate to https://web.powerapps.com/.
- 2. Select Apps, and then select Import canvas app.

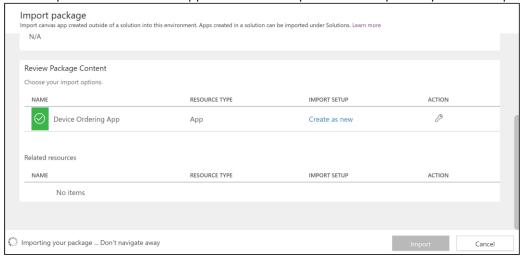


Note: make sure to import this app package in the **Apps** tab.

3. Select Upload and then select the AppPowerVirtualAgentInADay file and click on Open.

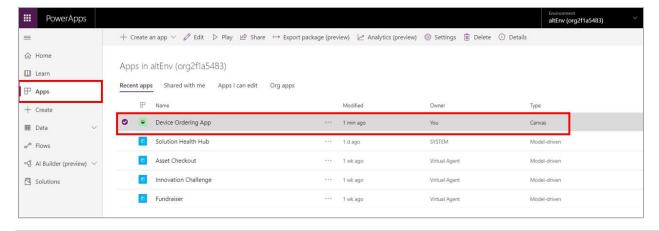


4. Select Import and wait for the application to be imported. The import step can take up to 2 minutes.

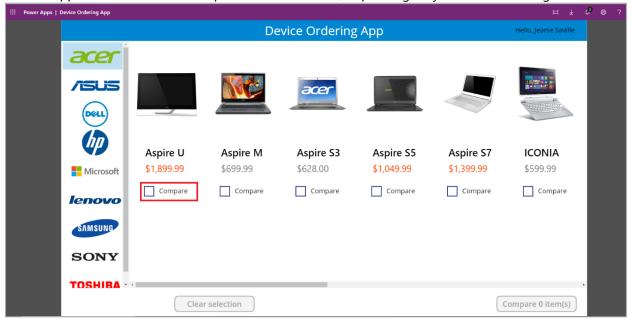


Task 6: Generate test data

- 1. Navigate to https://web.powerapps.com.
- 2. Select Apps and then select Device ordering App. Click on it to launch the app in another tab.



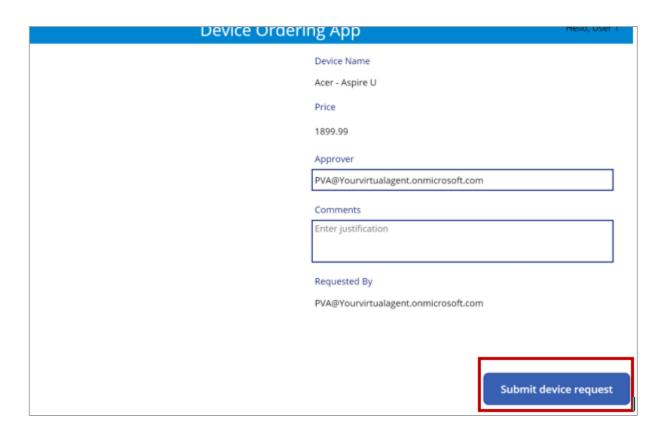
3. The application launches in a separate tab or window, depending on your browser configuration.



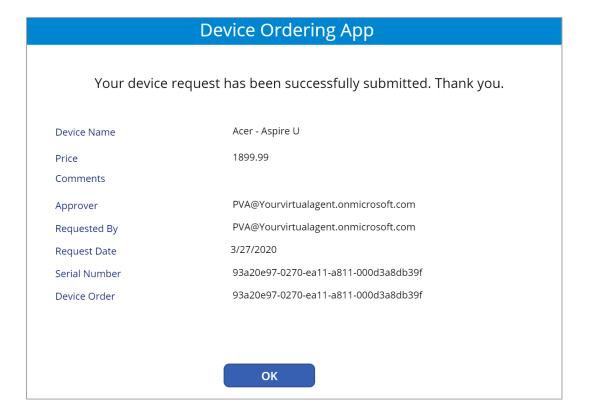
4. Select any device and then select Compare 1 item(s) in the right bottom corner of the screen.



5. On the compare screen, select Submit device request.



6. On the request confirmation screen take a note of the email and serial number. We will use this information when testing the virtual agent later. Select **OK** and close the App window/tab.



Congratulations! You are all set for the training!

Lab survey

We would appreciate your feedback on Power Virtual Agents and on this hands-on-lab, such as the quality of documentation and the usefulness of the learning experience.

Please use the survey at https://aka.ms/PVAiaDSurvey to share your feedback.

You may provide feedback for each module as you complete it or at the end once you've completed all the modules.

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