

**Module 0 Lab: Pre-Workshop Setup Instructions**

Template Version: 2.0

**Introduction**

Welcome to the Azure Essentials and Containers (Custom Workshop)! We will setup your free Azure Pass account and a VM in this guide. The VM will come equipped with the following software so that you don’t need to install anything on your machines! All the software needed to complete the 2-day workshop is included in the listing below:

* Azure CLI
* Kubectl CLI
* Docker Community Edition (Windows)
* Chrome
* Visual Studio Community 2017
* SQL Server Express 2017
* SQL Server Management Studio

**Please complete this setup guide before attending the sessions September 12th – 13th, 2018 at the OCC. If you cannot complete this before the session or if you need help, please come to the September 12th session between 8:00 – 8:45AM and Crystal will be onsite to help you complete this setup onsite at the OCC in the WTC Lincoln Training Room.**

**Estimated Time**

It should take ~30 minutes of your dedicated time, and ~1.5 hours of waiting time. During the “waiting times” you can let setup tasks complete in the background and swap back to your work.

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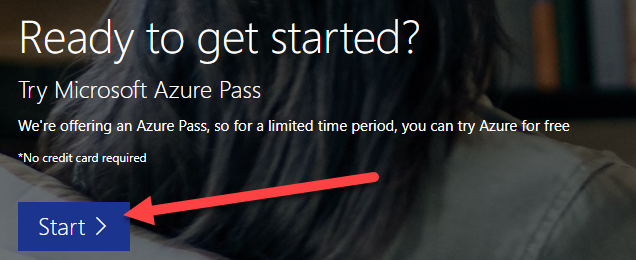
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Module 0 Lab: Pre-Workshop Setup

Exercise 1: Setup Azure Pass Account

Tasks

1. Personal Microsoft Outlook Account
2. Make sure you have a **personal Outlook account** that has never been associated with an Azure subscription before. If you do not own a personal Outlook account, please make one here now: <https://outlook.live.com/owa/?nlp=1&signup=1>
3. Redeem your Azure Pass
4. Open a Chrome Incognito Window or an IE/Edge InPrivate Window (Settings > Safety > InPrivate Browsing). *You must do this so that you can have a separate login to your Outlook credentials and do not have to logout of your work credentials for Azure.*
5. Using your **Incognito/InPrivate** browser window, navigate to <https://www.microsoftazurepass.com/>
6. Click Start.



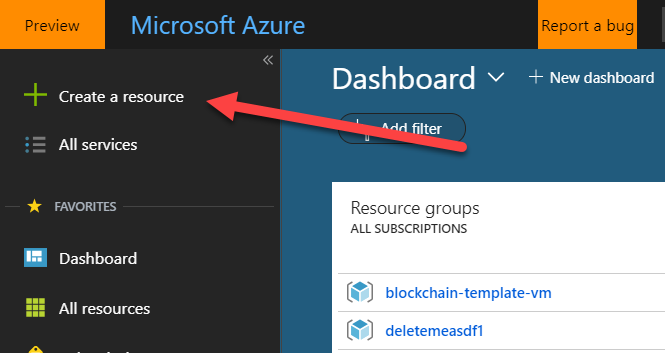
1. Login with your Outlook account. **You** **cannot use a work email address because it is already associated with an Azure account. If you try to use a work account, it will nullify the Azure Pass code and render it unusable.**
2. Complete all the forms, enter the Azure Pass emailed to you, and enter your personal information. No credit card will be required, it just asks for your **email (use your personal Outlook),** name, phone number, etc.
3. At the end, click “Take me to my subscription” which is displayed in small blue text on the next screen, or just manually navigate to <http://portal.azure.com>

Exercise 1 has been completed

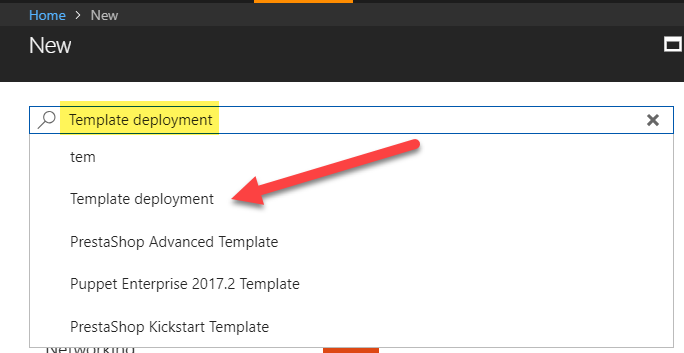
Exercise 2: Create an Azure VM with an ARM Template

Tasks

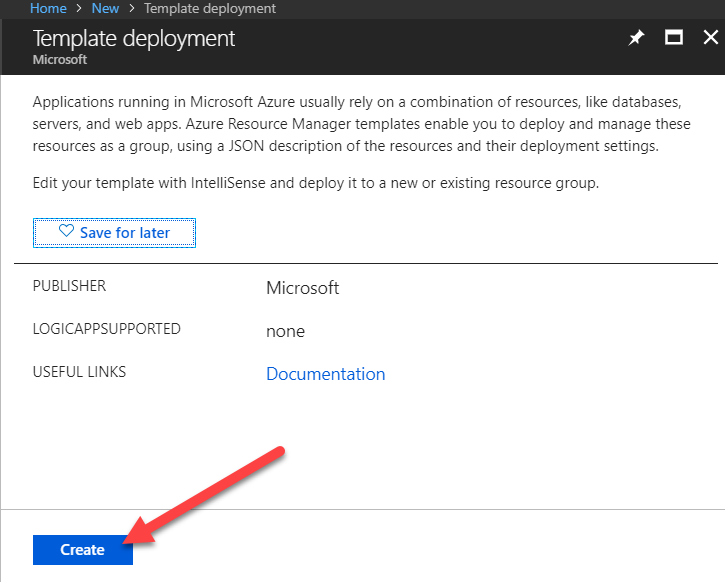
1. Deploy your VM using an ARM Template
2. In the Azure Portal, click “Create a resource”



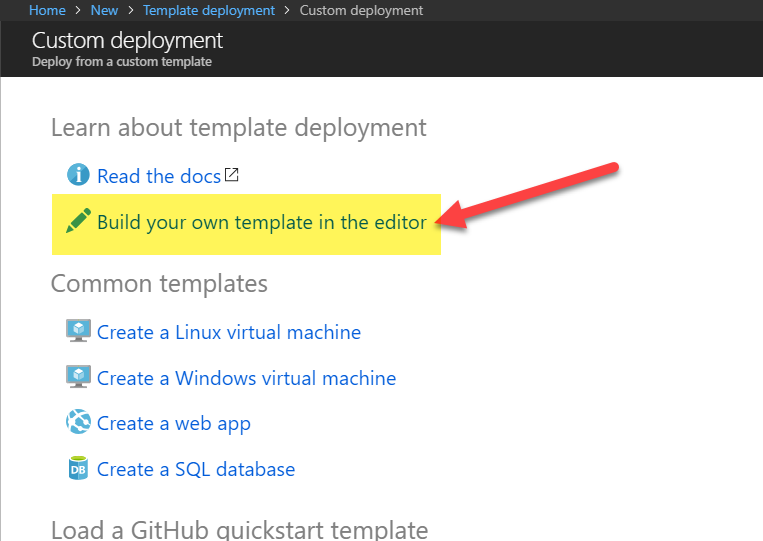
1. Search for a “Template deployment” and hit Enter.



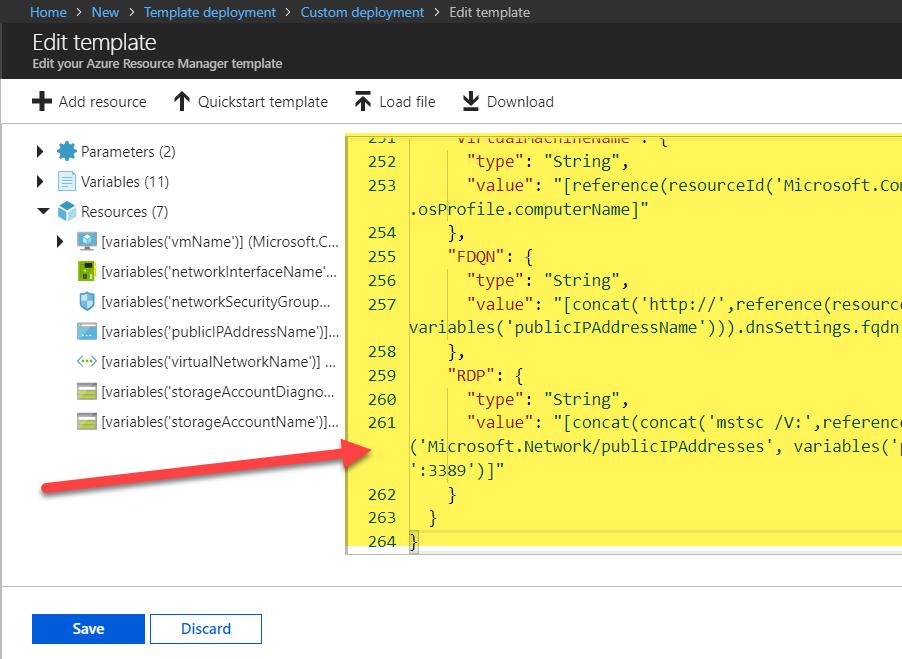
1. Click Create.



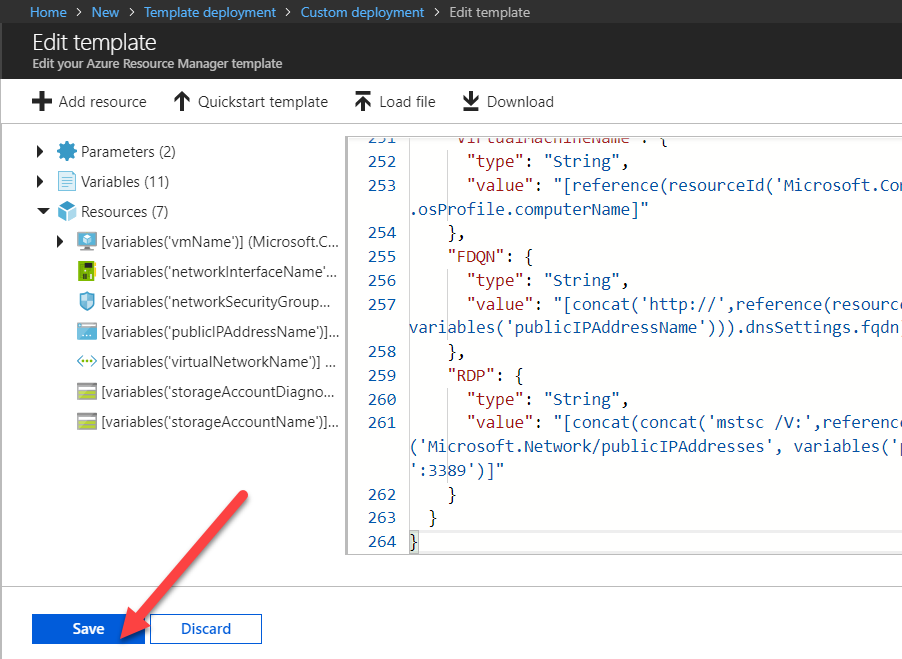
1. Click “Build your own template in the editor”.



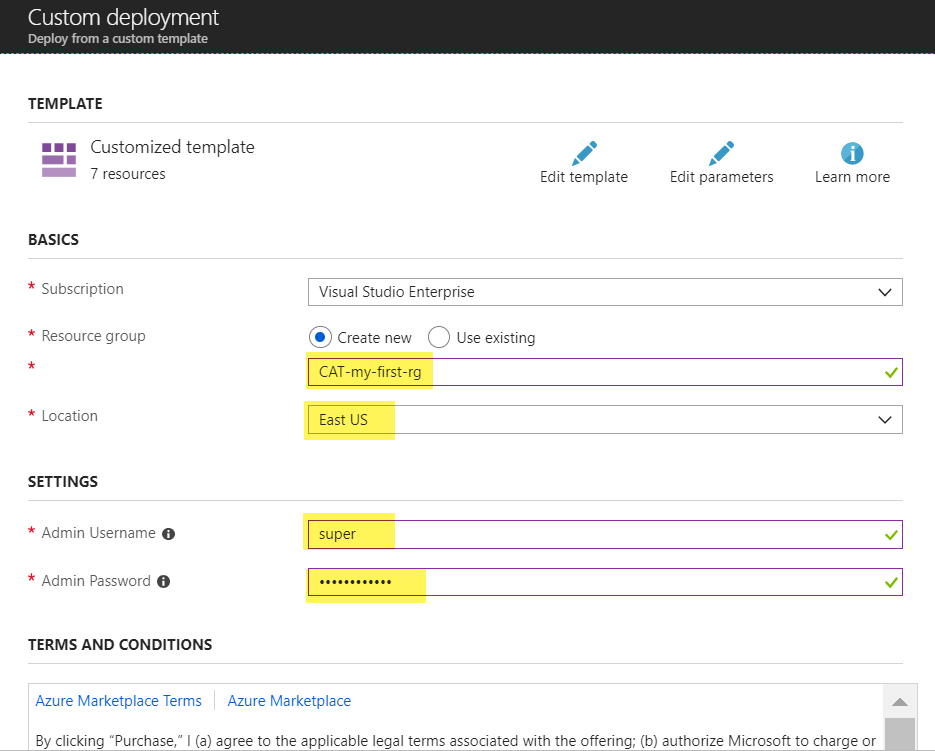
1. Copy and paste the contents of the “**azure-windows-lab-vm.json**” file into the editor (this is provided to you as part of the welcome email from your instructor).



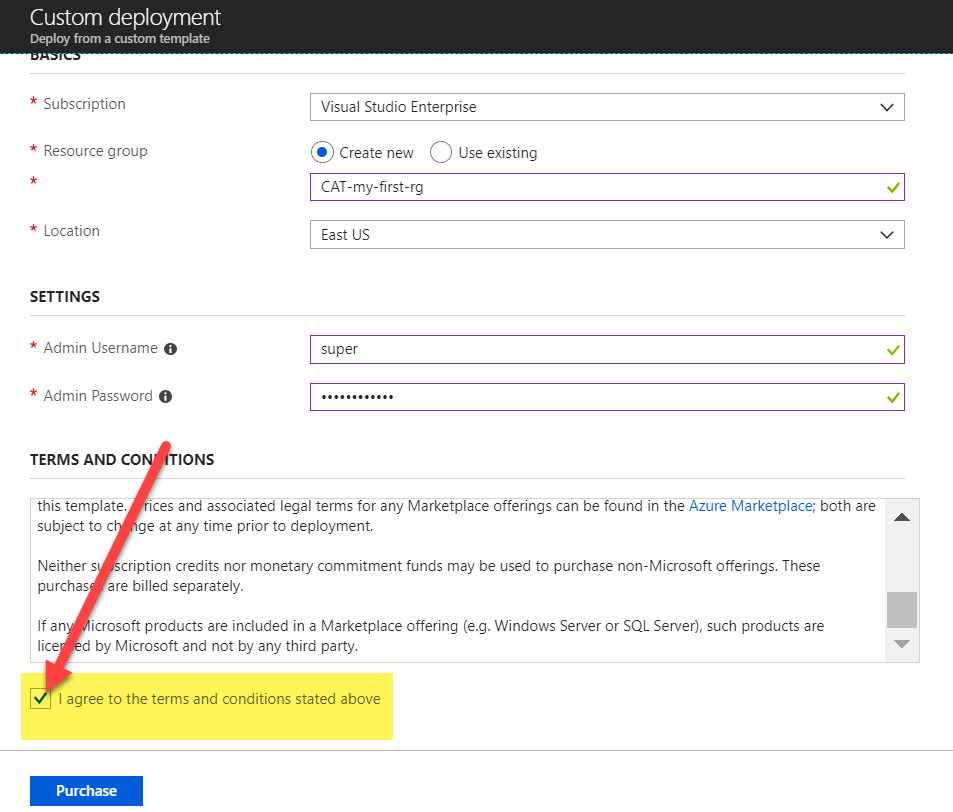
1. Hit Save.



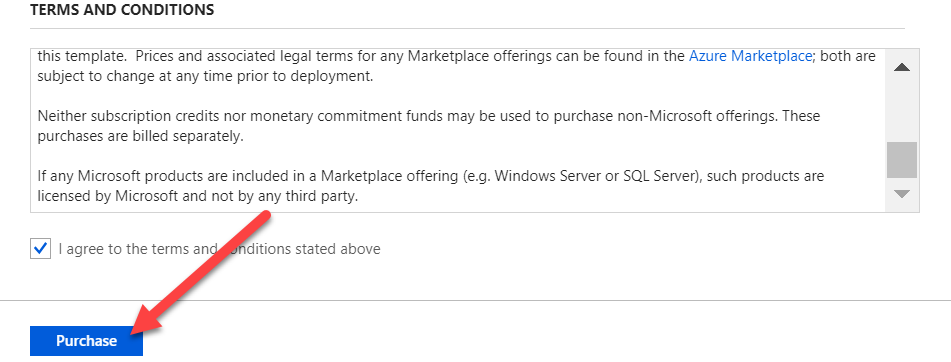
1. Fill out the following exactly as instructed below:
   1. Resource Group: INITIALS-my-first-rg (change initials to YOUR initials)
   2. Location: East US
   3. Admin Username: super
   4. Admin Password: P@ssw0rd123!



1. Scroll down on the page until you see a checkbox for “I agree to the terms and conditions…”, and check the box.



1. Click Purchase.



1. You will need to wait for 1 hour and 30 minutes for VM to deploy. Once the VM is deployed, you can continue with Exercise 3. You can close your Azure Portal window or shut down your computer and your VM deployment will be unaffected.

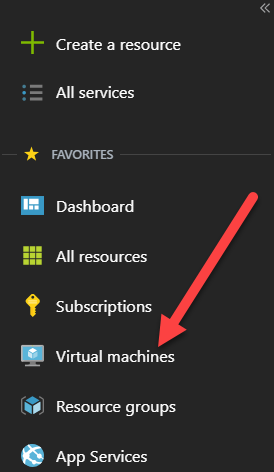
Exercise 2 has been completed

Exercise 3: Test your RDP Connection

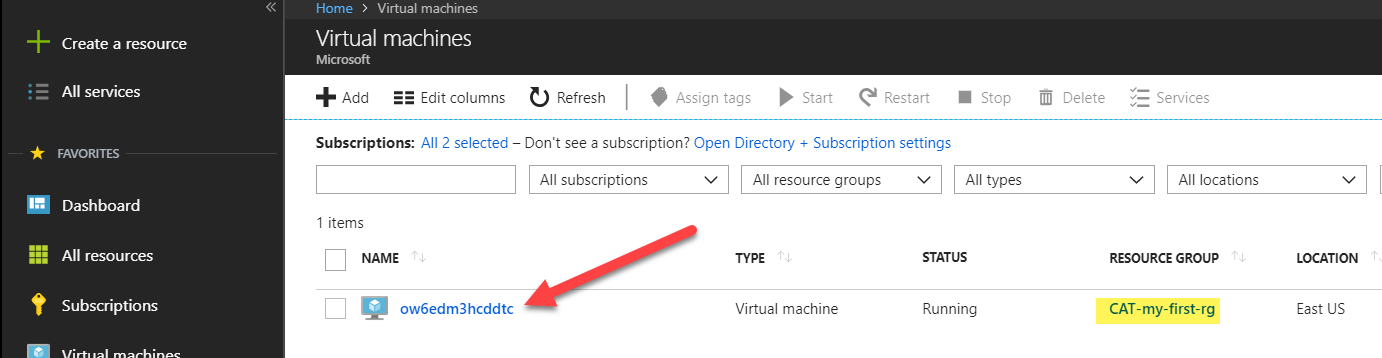
This exercise shows how to rename old and new databases

Tasks

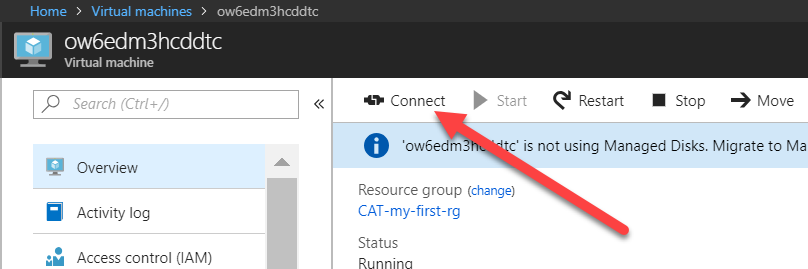
1. RDP into your VM
2. After you have waited at least 1 hour and 30 mins for the VM to deploy, go back to your Azure Portal. **You will need to be on unrestricted internet connection to complete Exercise 3. RDP is blocked on your work network so you cannot use that. You can:** 
   1. **Find an unrestricted connection**
   2. **Bring your work laptop home and do this on your home network on a work from home day**
   3. **Come in at least 10 mins early on the day of the workshop to complete Exercise 3. If you choose this option, please skip Exercise 3, and complete Exercise 4.**
3. Click on the Virtual Machines tab on the left.



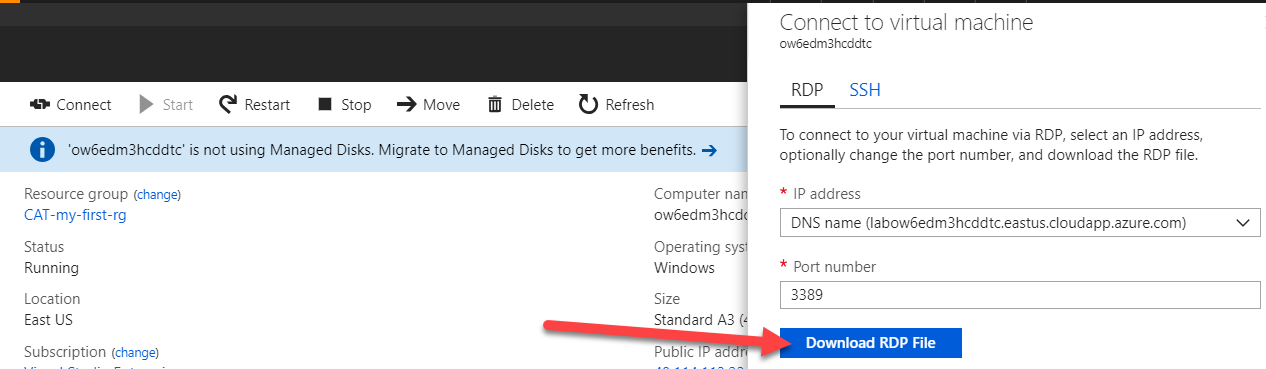
1. You should see one VM with the resource group INITIALS-my-first-rg, the name is generated at random and will not match what is in the screenshot. Click on the VM name.



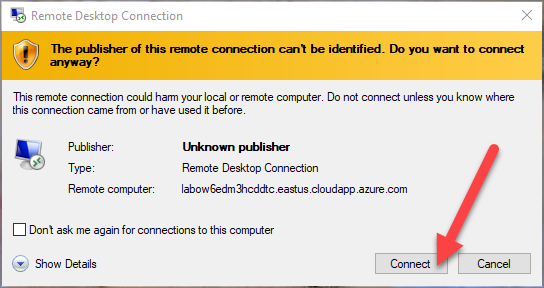
1. Click Connect.



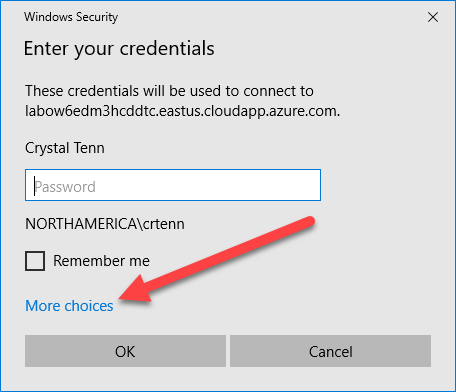
1. Click Download RDP file.



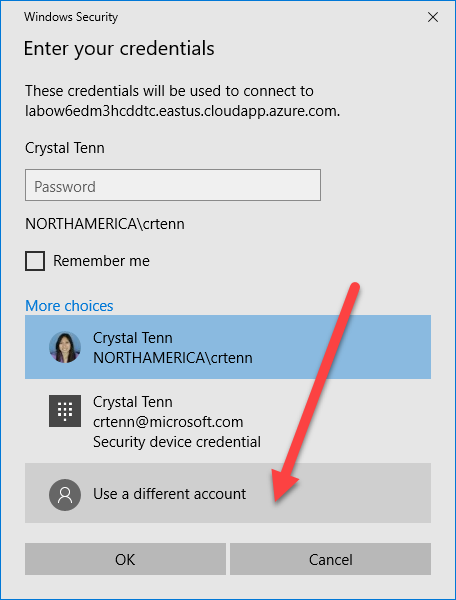
1. Save the RDP file to your computer.
2. Double click on the RDP file that you downloaded to your computer.
3. Click Connect.



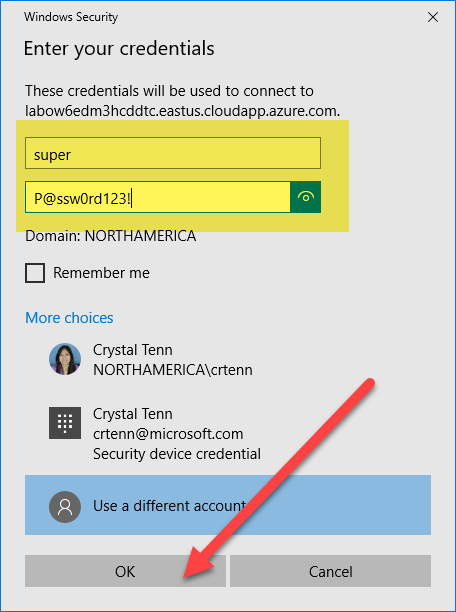
1. If you see a screen like below, choose “More Choices”, if you do not see the below screenshot, go to step “l”.



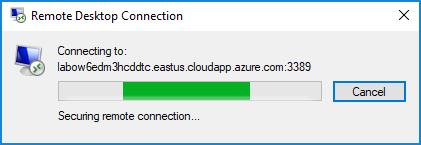
1. Click “Use a different account”



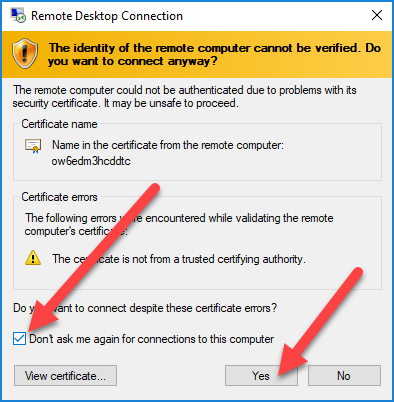
1. Type in the following credentials:



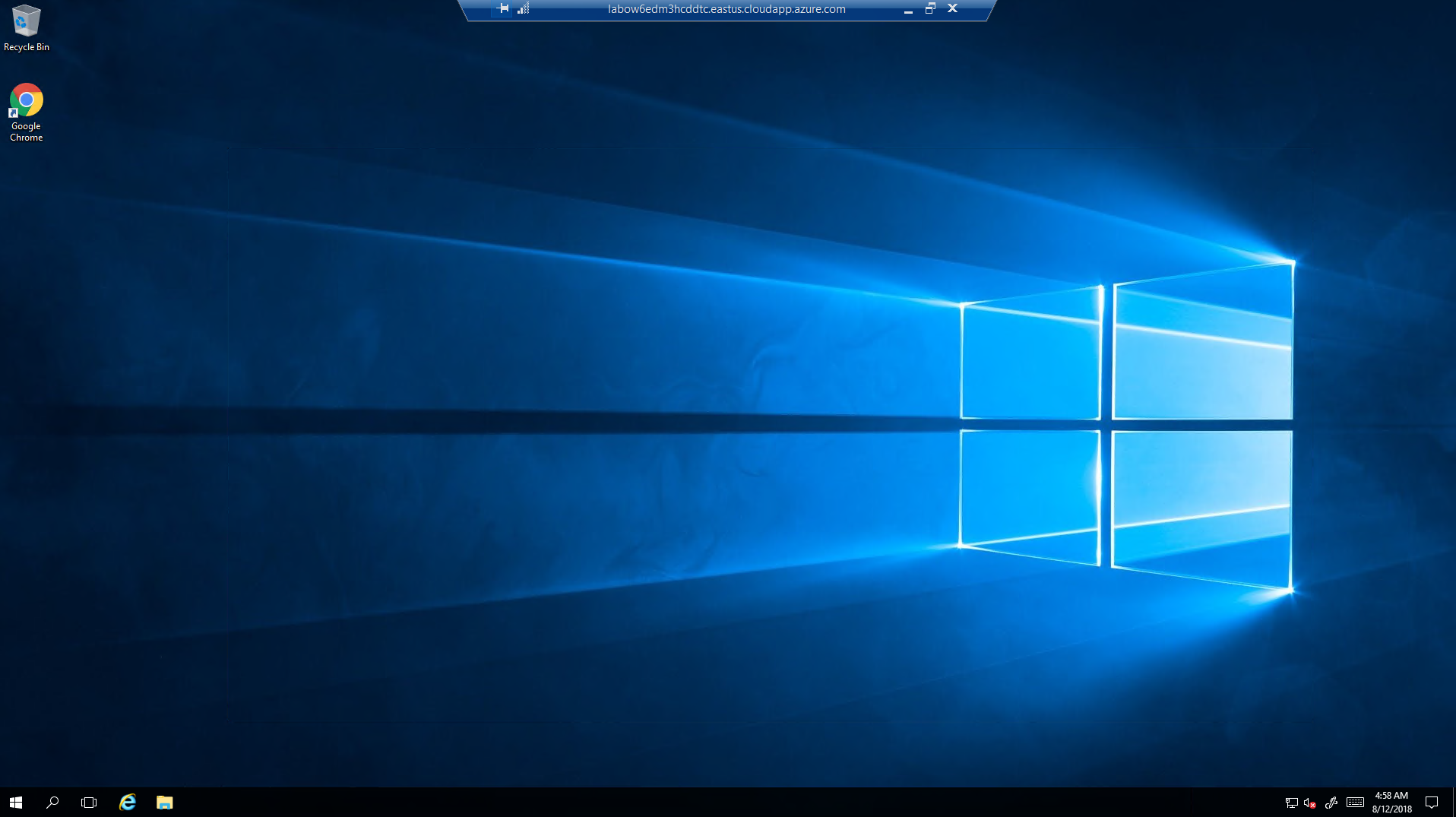
1. Hit OK and it will start connecting.



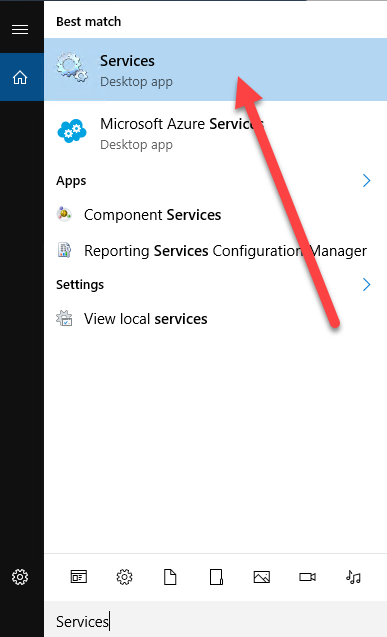
1. You will probably see a pop-up like below, just check the box for “Don’t ask…” and hit Yes.



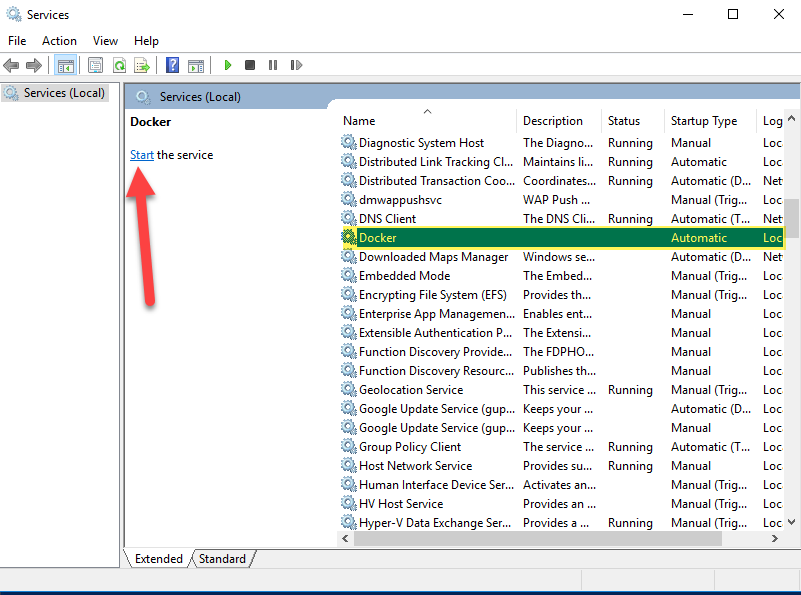
1. Wait a couple of minutes and your VM should load. Hit Yes on the Network pop-up and close Server Manager. It will look like the following:



1. Pull down Docker images
2. In your VM, open “Services”.

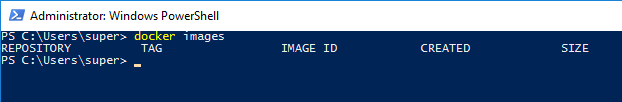


1. Find Docker in the list and click “Start” to start the service.



1. Open PowerShell.
2. Run the following command and the result should look like the following screenshot (if you get an error, please contact your instructor at [crtenn@microsoft.com](mailto:crtenn@microsoft.com) and send a screenshot of what you see):

docker images



1. Open a PowerShell window and run the following command which will download your lab assets from blob storage and unzip them:

Invoke-WebRequest -Uri https://catstorageaccount.blob.core.windows.net/containersworkshop/occ-labs.zip -OutFile C:\occ-labs.zip; Expand-Archive -Path C:\occ-labs.zip -DestinationPath C:\

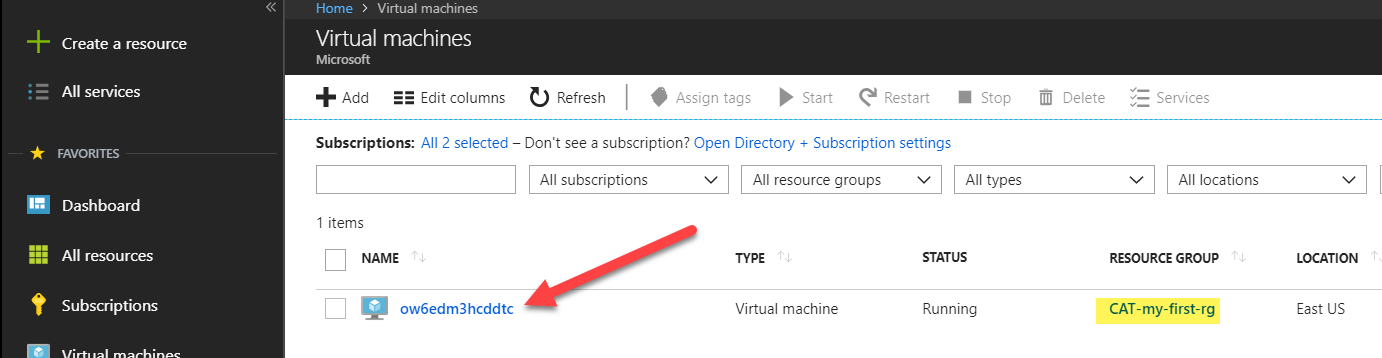
1. You can close the RDP connection to your VM at this time by hitting the “X” on the top blue bar.

Exercise 3 has been completed

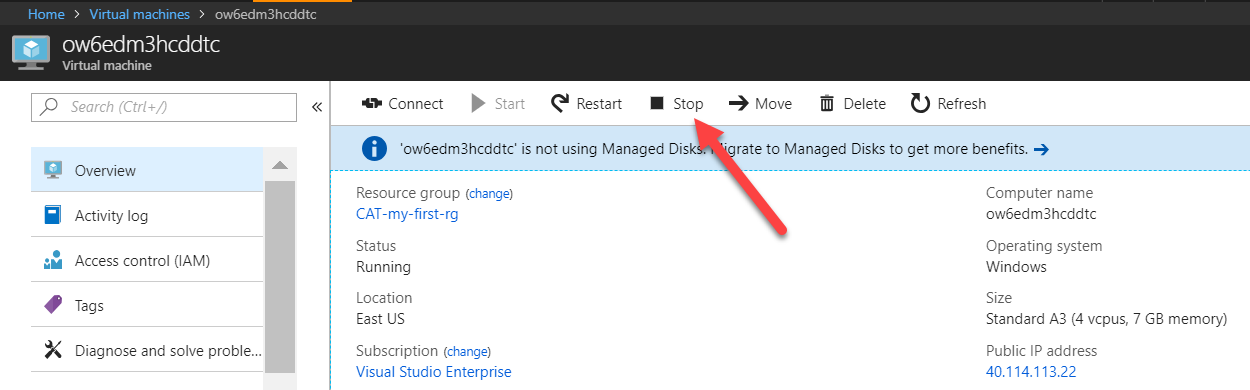
Exercise 4: Shutdown your VM

Tasks

1. Shutdown the VM
2. Go to the Azure Portal and find your VM resource by clicking “Virtual Machines” on the left navigation menu then clicking on your VM name.



1. Click the Stop button on your VM. This will deallocate your VM and shut it down to save resources and Azure credits on your account. You will need to Start the VM again before you can use it again, steps will be provided during the workshop to start it up.



Exercise 4 has been completed and all setup has been completed. You are ready to start the upcoming workshop. Looking forward to it! 😊