VM FAQs

Q: My VM is taking a long time to load, am I doing something wrong?

A: That's totally fine! The VM load times vary, depending on the exercise or project. In the instructions, we provide a time estimate for the initial JumpBox VM.

Q: What should I do if it looks like nothing is happening?

A: If it's been over 10 minutes, it can help by pressing "Enter" or "Return" in the Powershell window.

Q: Help! I received this error! What should I do?

```
New-AzVM : Operation could not be completed as it results in exceeding approved Total Regional Cores quota.
Additional details - Deployment Model: Resource Manager, Location: eastus2, Current Limit: 4, Current
Usage: 4, Additional Required: 1, (Minimum) New Limit Required: 5. Submit a request for Quota increase at ht
tps://aka.ms/ProdportalCRP/?#create/Microsoft.Support/Parameters/%7B%22subId%22:%2265d2ce11-cd2b-45b2-8432-a
0b8455e48d4%22,%22pesId%22:%2206bfd9d3-516b-d5c6-5802-169c800dec89%22,%22supportTopicId%22:%22e12e3d1d-7fa0-
af33-c6d0-3c50df9658a3%22%7D by specifying parameters listed in the 'Details' section for deployment to
succeed. Please read more about quota limits at
https://docs.microsoft.com/en-us/azure/azure-supportability/regional-quota-requests.
ErrorCode: OperationNotAllowed
ErrorMessage: Operation could not be completed as it results in exceeding approved Total Regional Cores
quota. Additional details - Deployment Model: Resource Manager, Location: eastus2, Current Limit: 4,
Current Usage: 4, Additional Required: 1, (Minimum) New Limit Required: 5. Submit a request for Quota
increase at https://aka.ms/ProdportalCRP/?#create/Microsoft.Support/Parameters/%7B%22subId%22:%2265d2ce11-cd
2b-45b2-8432-a0b8455e48d4%22,%22pesId%22:%2206bfd9d3-516b-d5c6-5802-169c800dec89%22,%22supportTopicId%22:%22
e12e3d1d-7fa0-af33-c6d0-3c50df9658a3%22%7D by specifying parameters listed in the 'Details' section for
deployment to succeed. Please read more about quota limits at
https://docs.microsoft.com/en-us/azure/azure-supportability/regional-quota-requests.
ErrorTarget:
StatusCode: 409
ReasonPhrase: Conflict
OperationID : 4dd89165-30d7-4b23-bc45-3edd1c314d61
At C:\Users\cyberadmin\desktop\Initialize-Udacity.CYBERND02.LabVM4.ps1:238 char:3
+    New-AzVM -ResourceGroupName $labResourceGroupName -Location $labRes ...
+    ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
+    + CategoryInfo          : CloseError: (:) [New-AzVM], ComputeCloudException
+    + FullyQualifiedErrorId : Microsoft.Azure.Commands.Compute.NewAzureVMCommand
```

A: No worries! Just so you know, you aren't able to have more than 4 VMs at once. If you have more than 4, you need to delete both the VM and the resource group before you can run another script.

**Q: Oh no! I received another error, that looks like this. What do I do?**


```
VERBOSE: Performing the operation "New" on target "CYBERND0301".
New-AzVM : "The gallery image /subscriptions/45afa05b-907e-4776-9f98-599032bc5505/resourceGroups/ICYBER-ND03-PUBLISH/pr
oviders/Microsoft.Compute/galleries/CYBERND03/images/CYBERND03-Student-LABVM1/versions/1.0.0 is not available in
eastus region. Please contact image owner to replicate to this region, or change your requested region."
ErrorCode: GalleryImageNotFound
ErrorMessage: "The gallery image /subscriptions/45afa05b-907e-4776-9f98-599032bc5505/resourceGroups/ICYBER-ND03-PUBLISH
/providers/Microsoft.Compute/galleries/CYBERND03/images/CYBERND03-Student-LABVM1/versions/1.0.0 is not available in
eastus region. Please contact image owner to replicate to this region, or change your requested region."
ErrorTarget: imageReference
StatusCode: 404
ReasonPhrase: Not Found
OperationID : 40f5647b-a490-44ff-b279-32d2a3e4ee2a
At C:\Users\cyberadmin\desktop\initialize-udacity.cybernd03.labvm1.ps1:239 char:3
+    New-AzVM -ResourceGroupName $labResourceGroupName -Location $labRes ...
+    ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
    + CategoryInfo          : CloseError: (:) [New-AzVM], ComputeCloudException
    + FullyQualifiedErrorId : Microsoft.Azure.Commands.Compute.NewAzureVMCommand

Transcript stopped, output file is C:\Users\cyberadmin\AppData\Local\Temp\20.07.12_07.04.21.txt
```

A: Remember when we said you can't have more than 4 VMs at one time? This error is telling you that too!

Q: How do I turn off a VM?

A: Great question! You can do this by going to the "Portal" in Azure -> selecting the VM, and clicking "Stop." Check out the image below to see if you're doing it right!
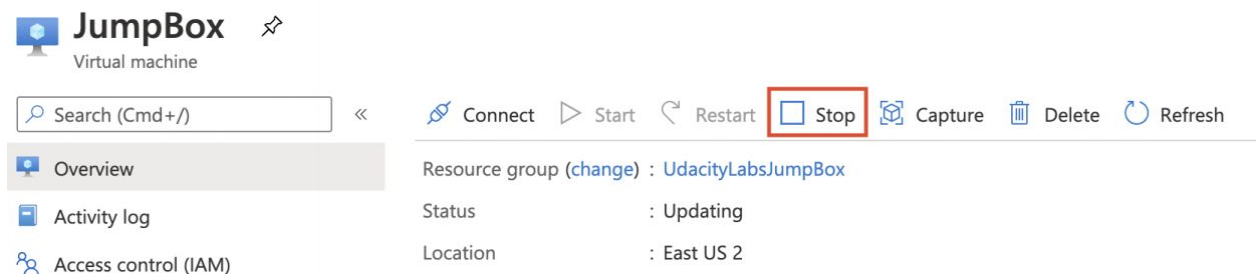
Q: Why do I have to turn off the VMs? Can't I just keep them on as long as I'm working in the Nanodegree?

A: VMs cost money to run, so the longer you have them on, the more the costs will add up!

Q: Why am I receiving an error when I try to enter my username and password?

A: Not every VM uses the same credentials, make sure you're using the correct credentials provided to you in the course classroom.