**Module 1: Azure Government management tools**

**Lab A: Create a Virtual Machine in an Azure Government region using the Azure Portal**

1. In **Internet Explorer** or **Edge**, browse to the **Azure** portal at <http://portal.azure.us>
2. When prompted, sign in by using the Microsoft account that is the Service Administrator of your Azure subscription.
3. In the Azure portal, in the hub menu on the left-hand side, click **+ Create a resource**.
4. That will bring up the **Azure Marketplace** blade.
5. On the **New** blade, in the console tree, click **Compute**, and in the search text bar at the top, type **Windows Server 2016 Datacenter**. In the Everything blade, select **Windows Server 2016 Datacenter**.
6. In the **Windows Server 2016 Datacenter** blade, click the **Create** button.
7. On the **Basics** blade, specify the following settings, and then click **OK**:

* Name: **wintellgov*number*vm1** (***number* =** your 2-digit student number, assigned by your instructor)
* VM disk type: **Standard** **HDD**
* User name: **Student**
* Password: **Pa55w.rd1234**
* Confirm password: **Pa55w.rd1234**
* Subscription: type the name of your Azure subscription you will be using for this lab (this should already be set on the subscription you signed in with).
* Resource group: click **Create new** and type **wintellgov*number*Lab2RG** as the name of the new resource group
* Location: select the name of an Azure GOV region where you have the ability to provision Azure VMs. The default is sufficient.
* Already have a Windows Server license: **No**

1. On the **Choose a size** blade, click one of available, low-priced VM sizes (B1s) and then click **Select**.
2. On the **Settings** blade, specify the following settings, and then click **OK**:

* Availability set: **None**
* Disk type: **Standard HDD**
* Use managed disks: **Yes**
* Virtual network: accept the default value, which creates a new virtual network (explain these values in demo)
* Subnet: accept the default setting, which creates a new subnet named **default**
* Public IP address: accept the default value, which will create a new public IP address
* **Network security group**: Click **Advanced**, then click **Network Security Group name >**
  + In the **Create network security group** blade, click **OK**, which will create a new network security group allowing access via RDP
* Extensions: **No extensions**
* Boot diagnostics: **Disabled**
* Guest OS diagnostics: **Disabled**
* Backup: **Disabled**

1. On the **Settings** page, click **OK**.
2. On the **Summary** blade, click **OK**.
3. Watch the **Alert** bell icon blue moving bar. Note, click the Alert icon if the pop-up disappears or is not showing before the deployment finishes. It takes 5-10 minutes to create the virtual machine. When you see the **Deployment succeeded** pop-up, close the blade. Close any open blades.
4. When complete, refresh **Dashboard**. **All resources**. Note –if the Dashboard does not refresh with the new resources showing, refresh the entire web page. You may have to sign out and sign back in to the portal if it still doesn’t refresh.
5. Examine the various resources that have been created.
6. In the Azure **Hub menu**, select **Resource groups**, and examine what was created. Double click **wintellgov*number*Lab1RG**. Note that the main purpose of the lab is to show a resource group, an Azure portal-created VM, and what it entails.
7. Return to the Dashboard.
8. Double-click the **wintellgov*number*vm1** virtual machine in **All resources**, and then in the blade menu bar, select **Stop**. Verify the stop action, and then close all open windows.
9. Sign out of the Azure portal and close the browser window.