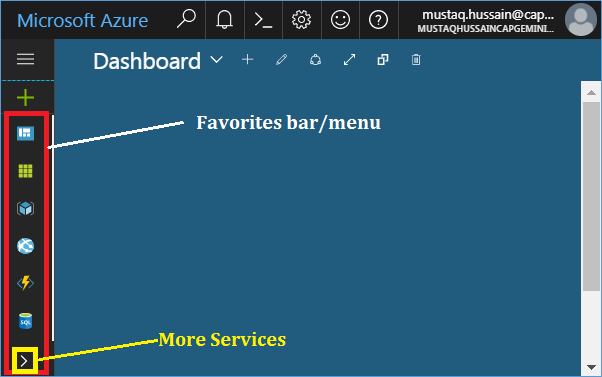
# Login to Azure

1. Login using

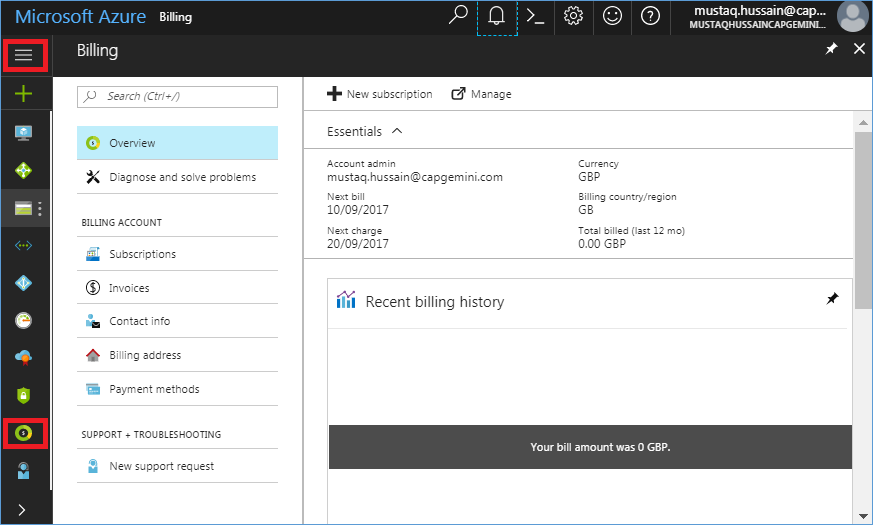
https://portal.azure.com

1. Take the tour – it is short and takes 1min
2. You should get the Azure default Dashboard.

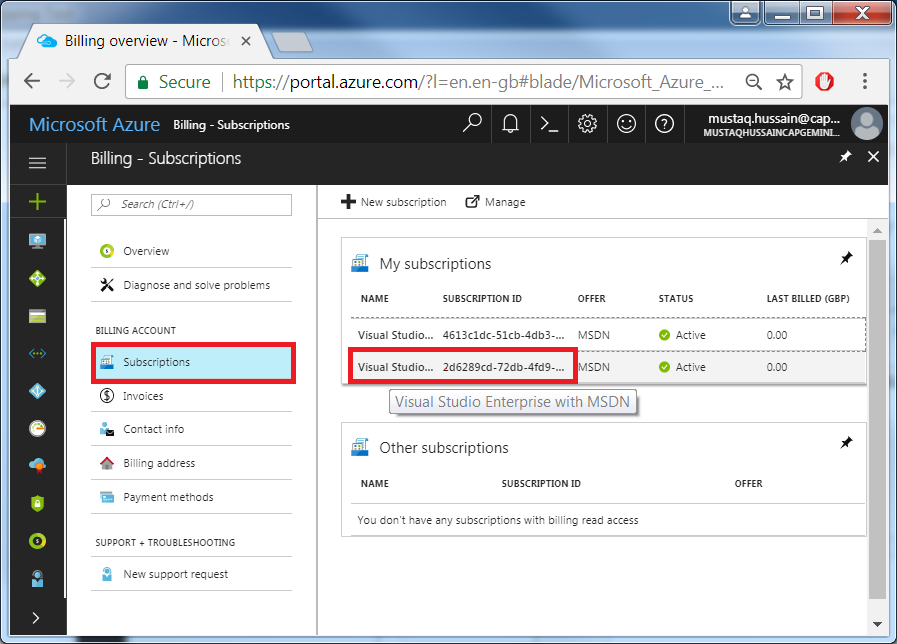


1. Click on the settings icon (cog) to refresh/modify your Dashboard theme and Regional format (English UK).
2. Click hamburger icon to expand the favourites and scroll down and click the Billing icon.

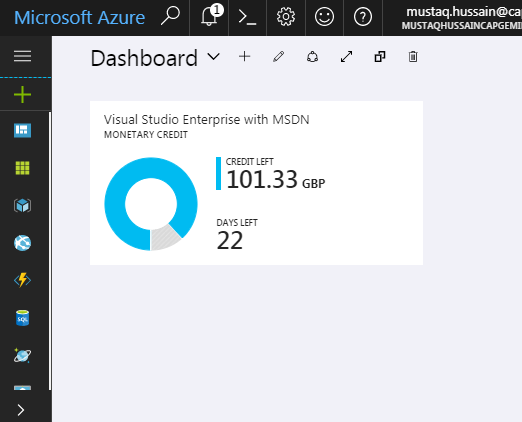
A new ‘blade’ will appear



1. Under BILLING ACCOUNT click Subscriptions. Then Select the ‘Visual Studio Enterprise with MSDN’ subscription.



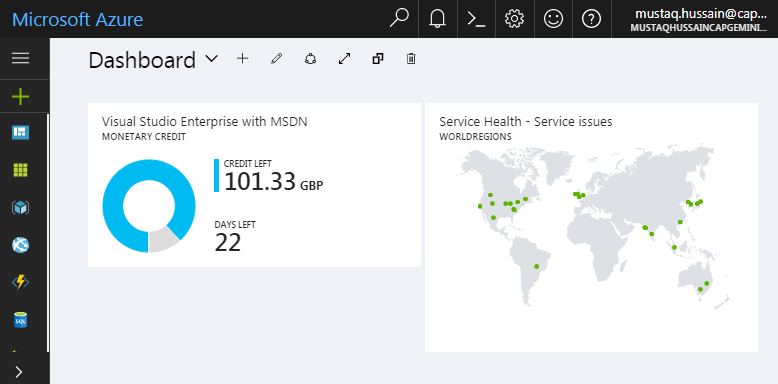
1. A new blade will be added (the New subscriptions will have moved out of sight to the left). This will show cost of your current expenditure and burn rate
2. Click on the pin icon (near top right) to pin to dashboard. Then close (cross) icon twice to get back to the Dashboard (Note you can pin the burn rate by pinning that)



1. Click ‘More services’ icon (> on bottom left hand corner)
2. Type ‘Health Service’ in filter then select ‘Service Health’.

If there is a message in middle of the screen dismiss it.

1. Under ‘Region’ select all
2. Select ‘Pin filtered world map to dashboard’ and save query as ‘worldRegions’ then close the blade to return to the main dashboard



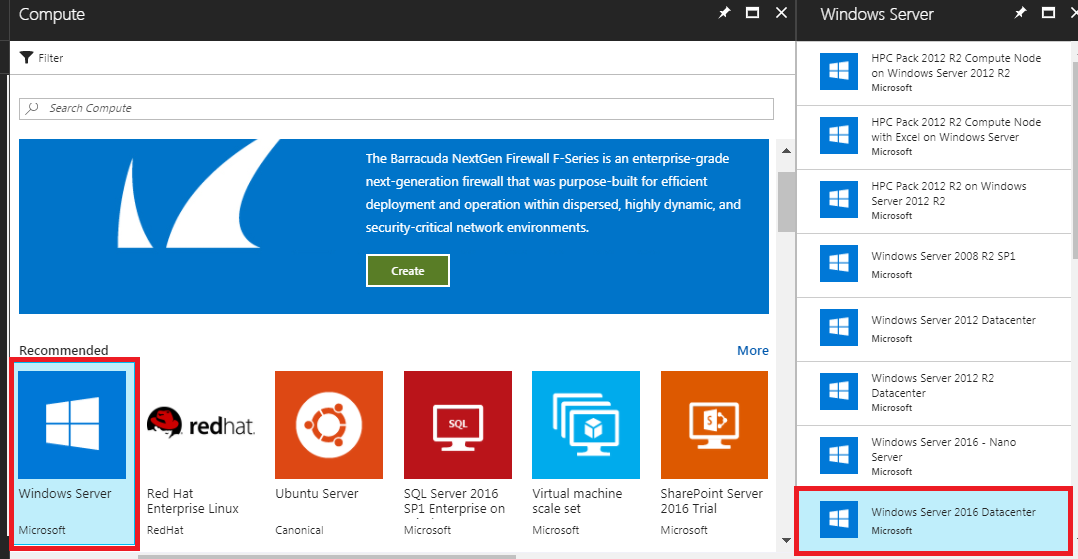
# Create Your First Windows Virtual Machine (VM)

This is a network diagram representing where your first VM in Azure with be deployed

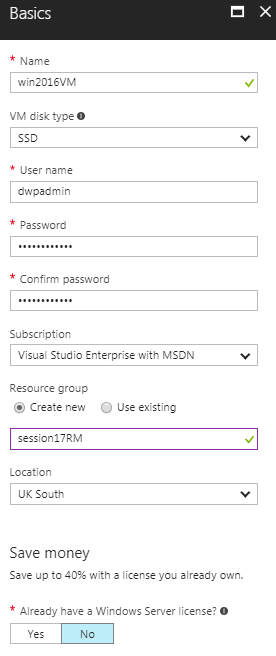
The VM will be a Windows 2016 server, with IIS installed so you can browse to it.



1. In favourites menu select ‘Virtual Machines’ then ‘Add’ then select Windows Server



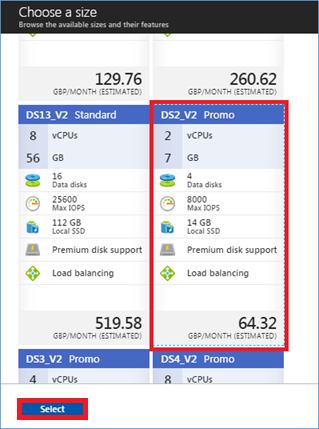
1. Select ‘Windows Server 2016 Datacentre’ then ‘Create’
2. Then fill in basic configuration details as shown below then ‘OK’



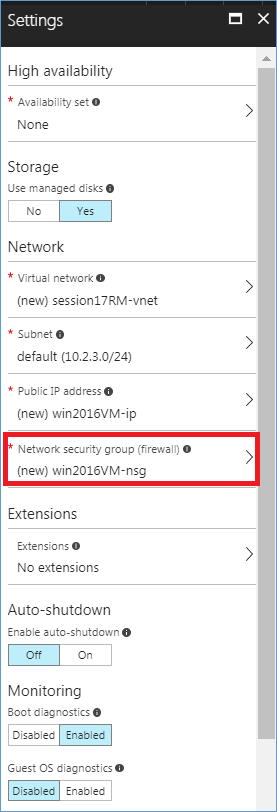
Note Use password: Pass@word011 -- pw length min 12

Subscription: Visual Studio Enterprise with MSDN

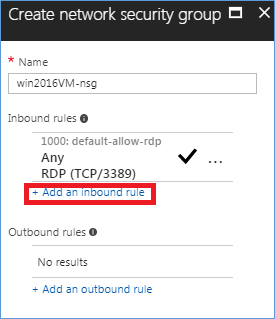
1. In the ‘Choose a size’ blade click ‘View all’ then scroll down to DS\_V2 Promo (2 vCPUs & 7GM at £64.32/month, promotional rate). Highlight it the click Select



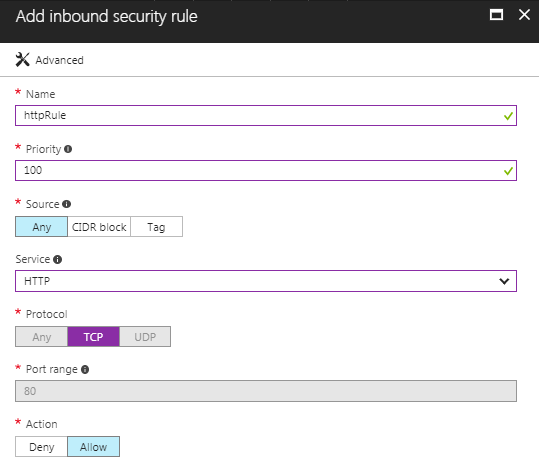
1. In the ‘Settings’ blade select the ‘Network security group (firewall)’



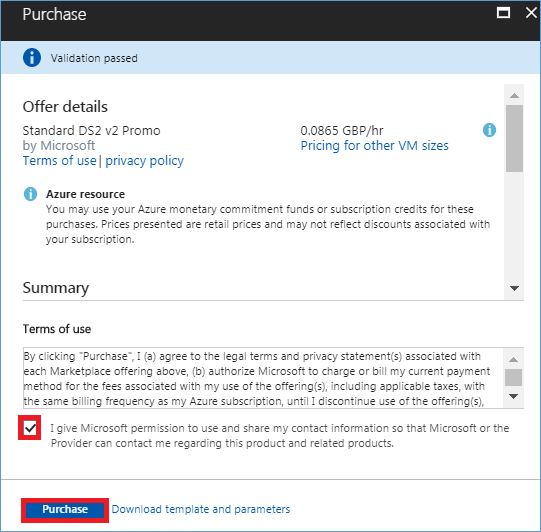
1. Select ‘+Add an inbound rule’



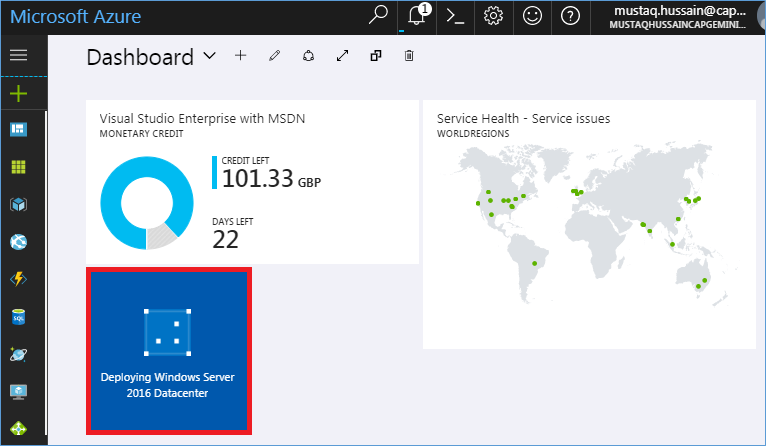
1. Modify as shown below to allow web traffic (http) on port 80, then OK, OK, OK (Note from previous screen by default RDP port allowed)



1. Finally at Purchase blade tick Terms of Use and select ‘Purchase’

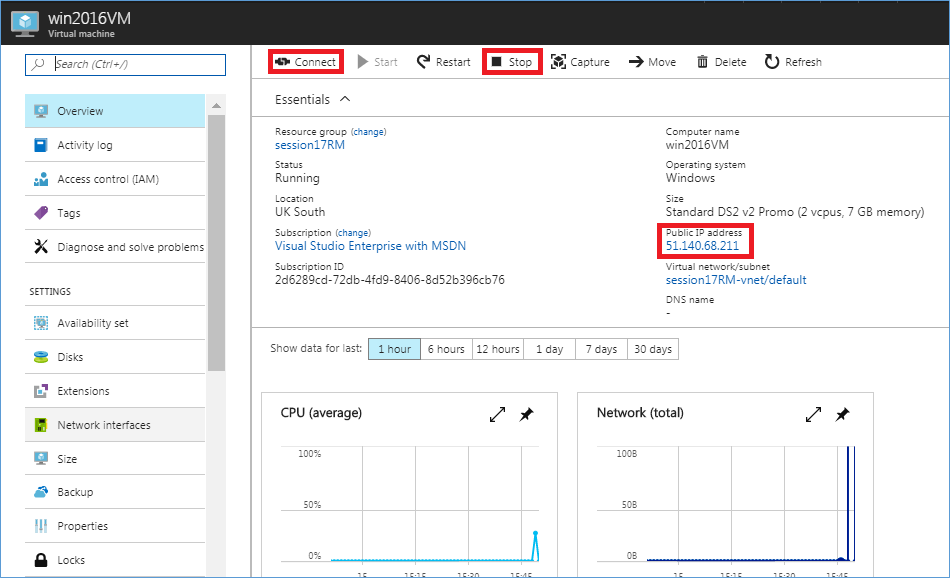


1. Dashboard will now show ‘Deploying Windows Server



1. After 4-5minutes it will have finished deploying and opened up the win2016VM Virtual Machine blade automatically (or simply click on the win2016VM icon on the Dashboard)

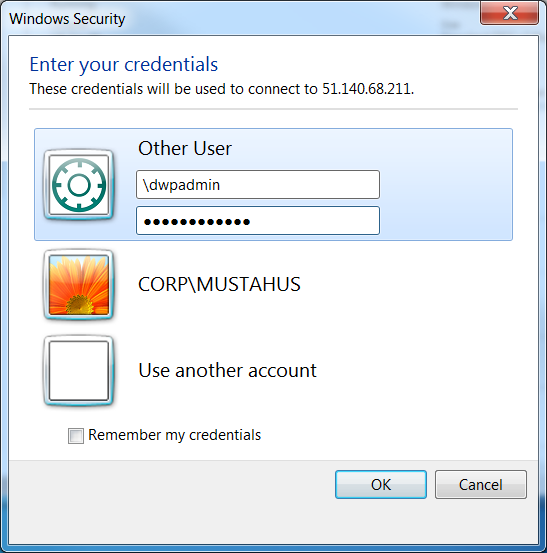
Take a note of the ‘Public IP address’ (note this will change whenever you stop/restart VMs)



1. Open a browser and enter the ‘Public IP address’
2. Web page will not open because no Web Server installed on VM

# Connect to Virtual Machine (VM)

1. Press the ‘Connect’ icon (near the top), it will download a Remote Desktop Protocol (RDP) file ‘win2016VM.rdp’ onto your laptop (in browser’s download location).
2. Press the downloaded ‘win2016VM.rdp’ and press ‘Connect’.
3. Enter the VM’s credentials

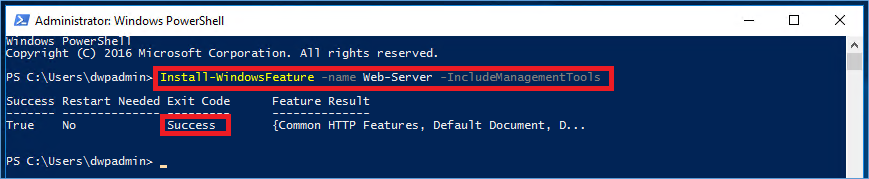
 User : \dwpadmin PW: Pass@word011

1. A new RDP window to the Windows 2016 VM server will now open.

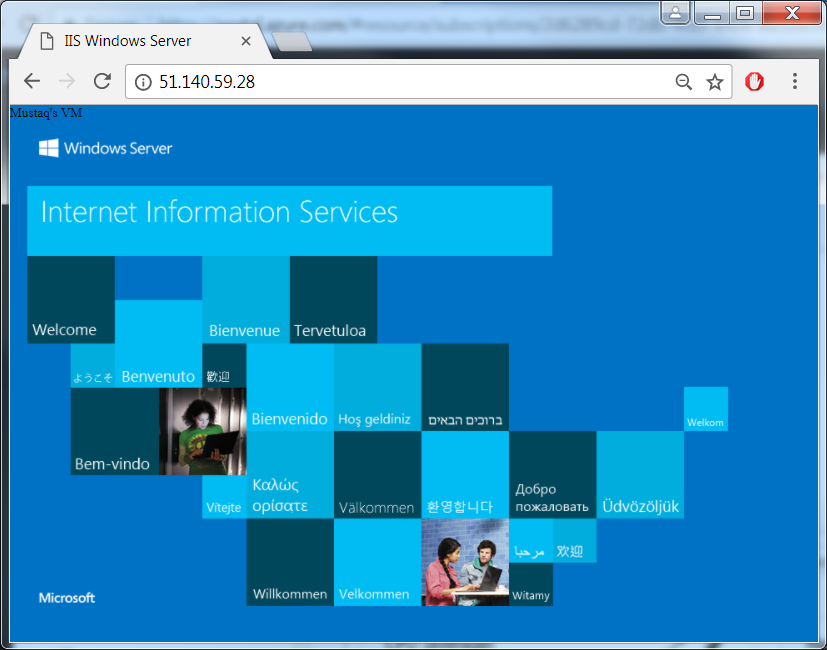
# Install Microsoft’s Web Server IIS in VM

1. Within the VM close the Server Manger (press the X)
2. Click on the Window icon, then Windows PowerShell
3. Within the PowerShell window enter

Install-WindowsFeature -name Web-Server -IncludeManagementTools



1. Click on the ‘Search Windows’ icon and type Notepad
2. Inside Notepad, open file c:\inetpub\wwroot\iistart.html
3. At the top of this file add you name then save and close the file
4. Open a browser and enter your ‘Public IP address’



This time with IIS installed and port 80 open to http traffic, its default page will be shown with your name.

1. Open a browser and enter the ‘Public IP address’ of some else. You should see their default website

You have been connecting successfully to your server deployed in the Azure Cloud via the internet

# Stop the VM

Stop the VM to stop encoring VM charges

1. Back on the win2016VM blade click on the ‘Stop’ icon