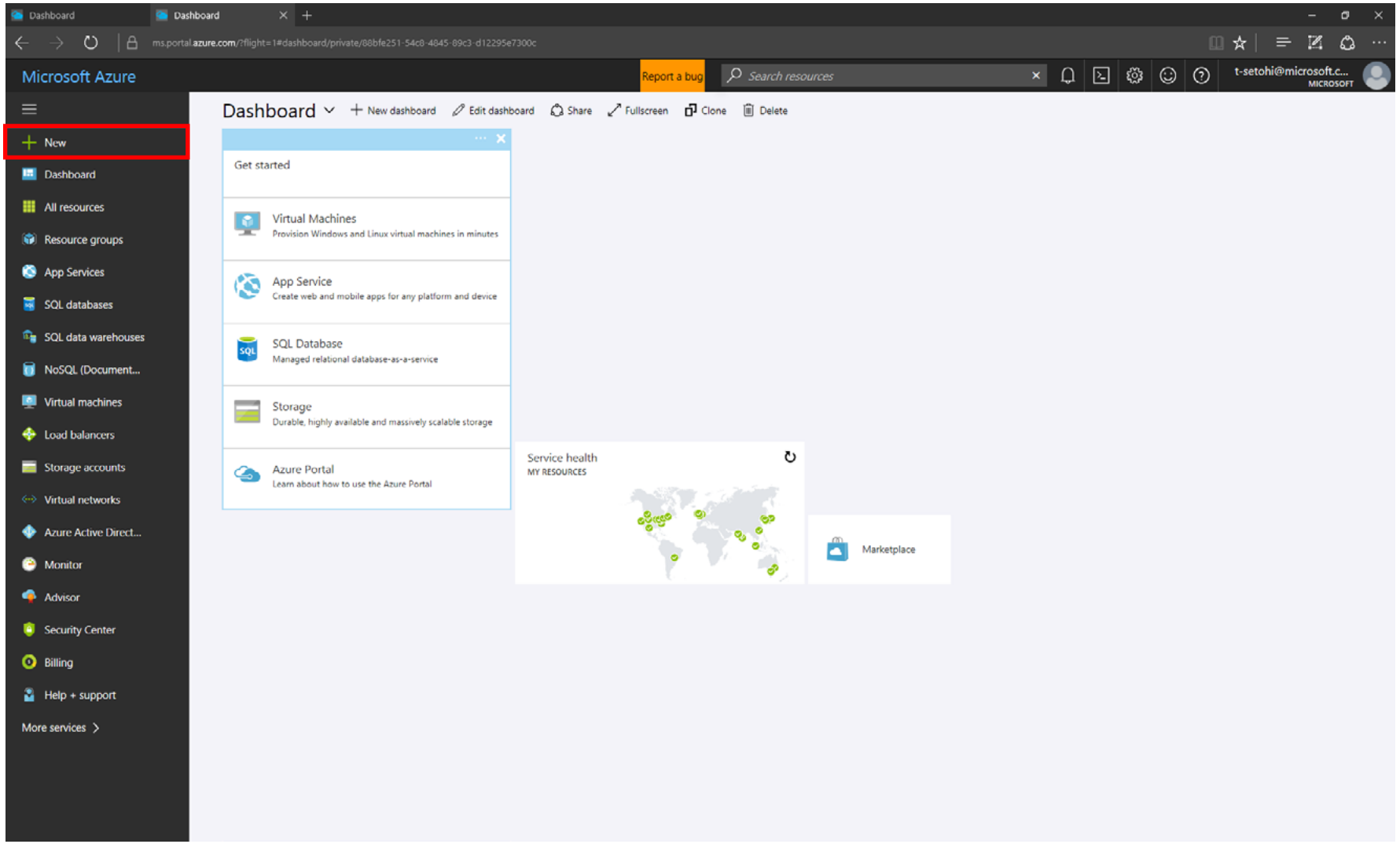
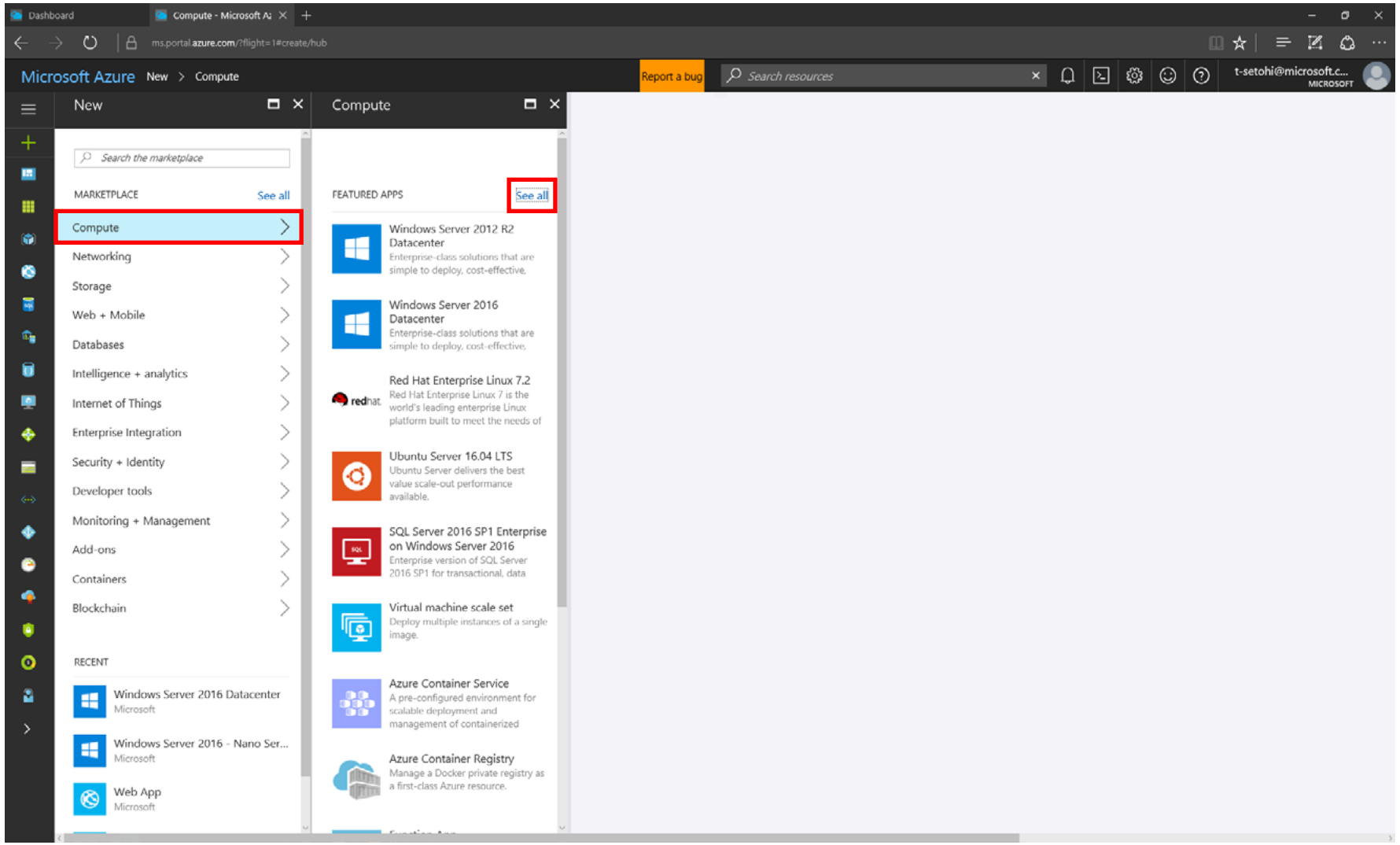
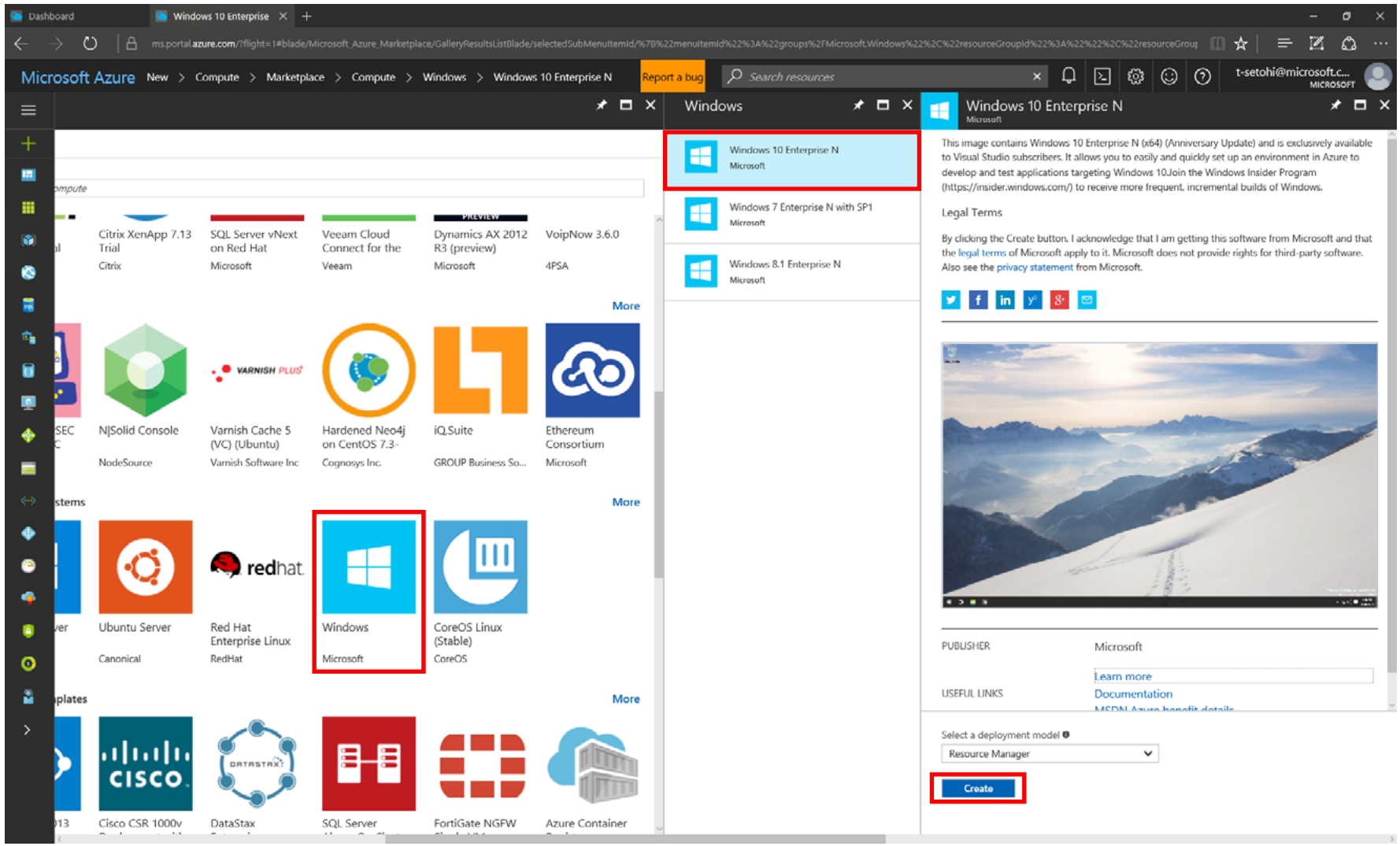


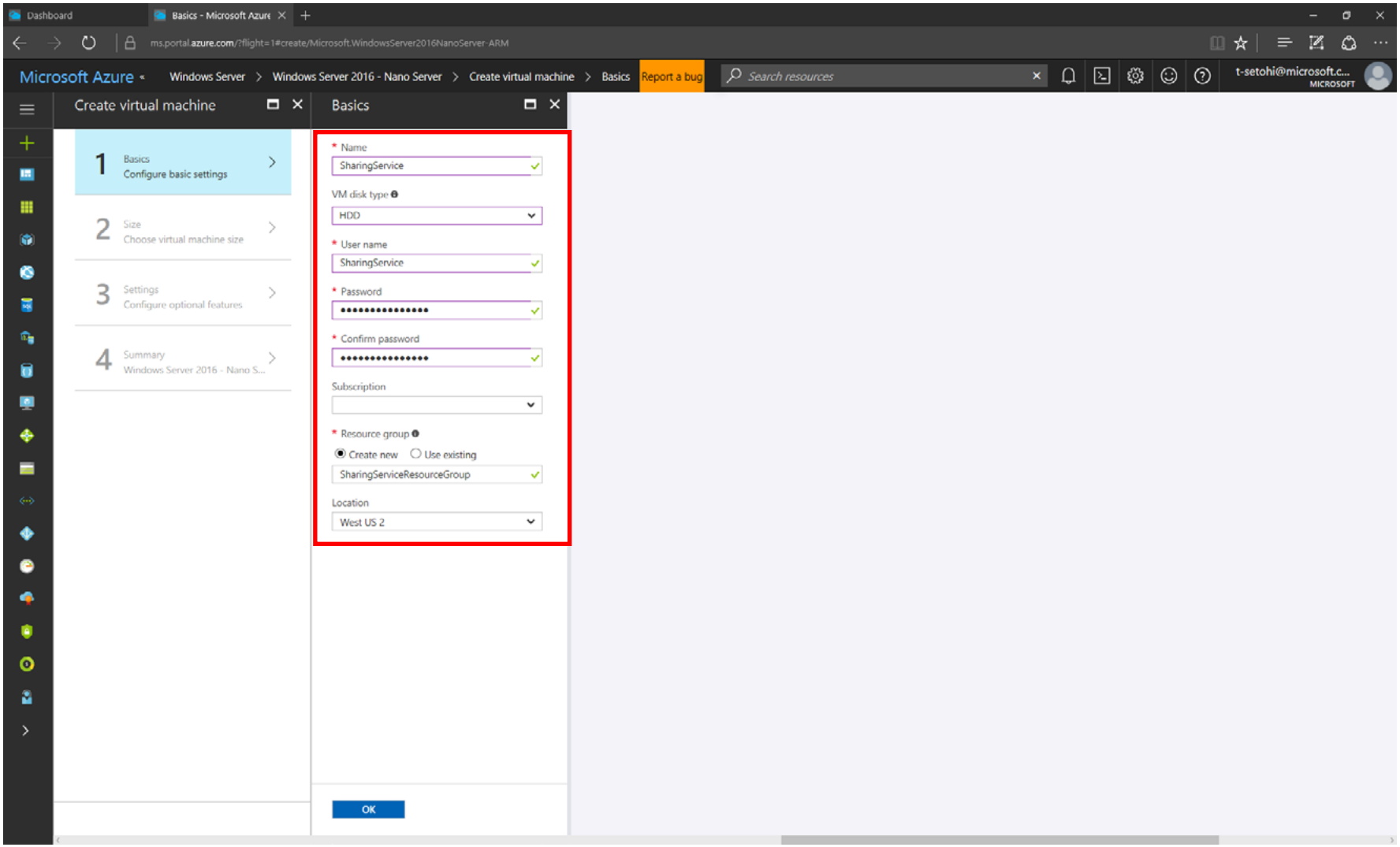
1. This is the dashboard you'll see once you log into Azure. Click on "**New**".



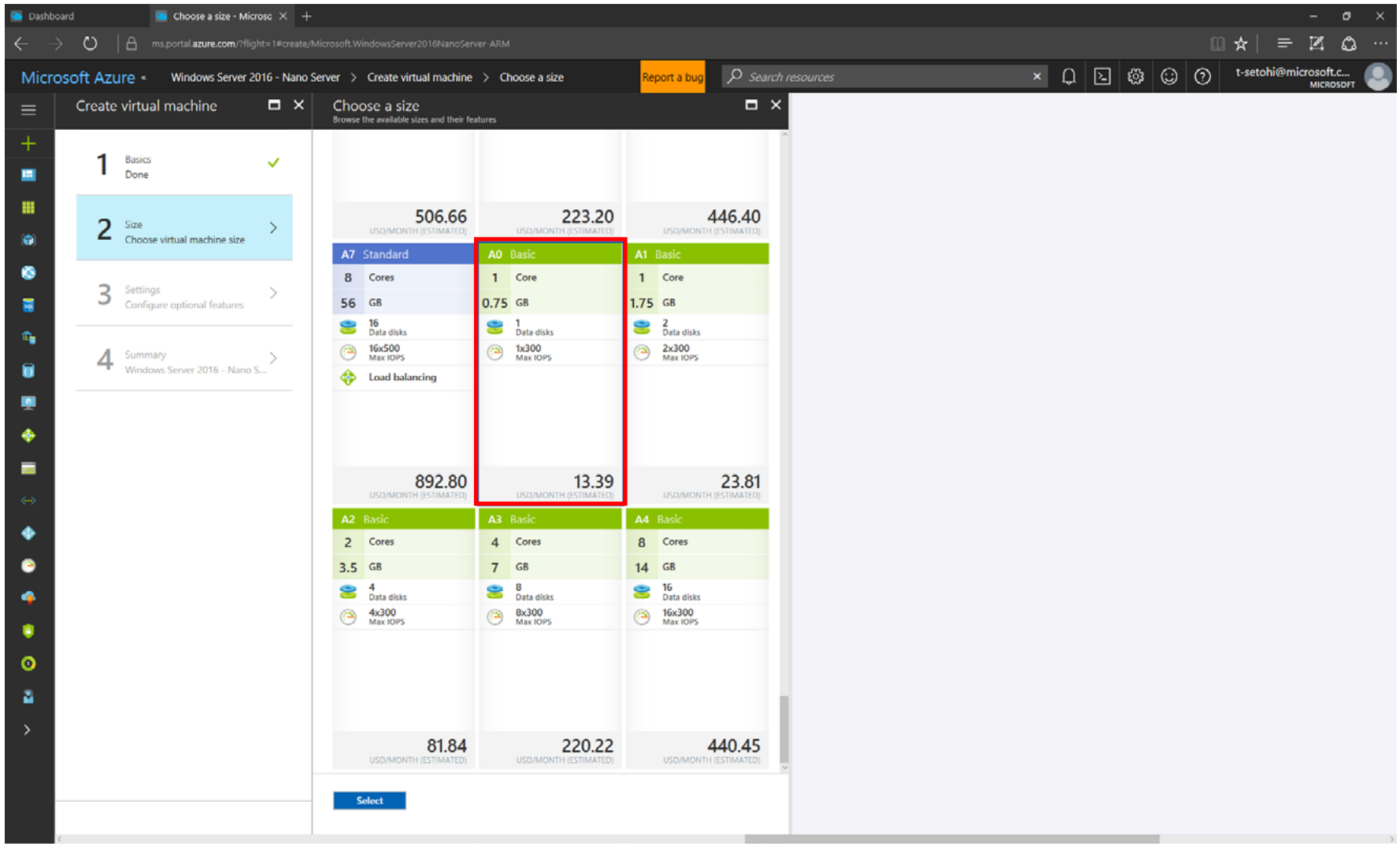
2. Click on "**Compute**", followed by "**See all**".



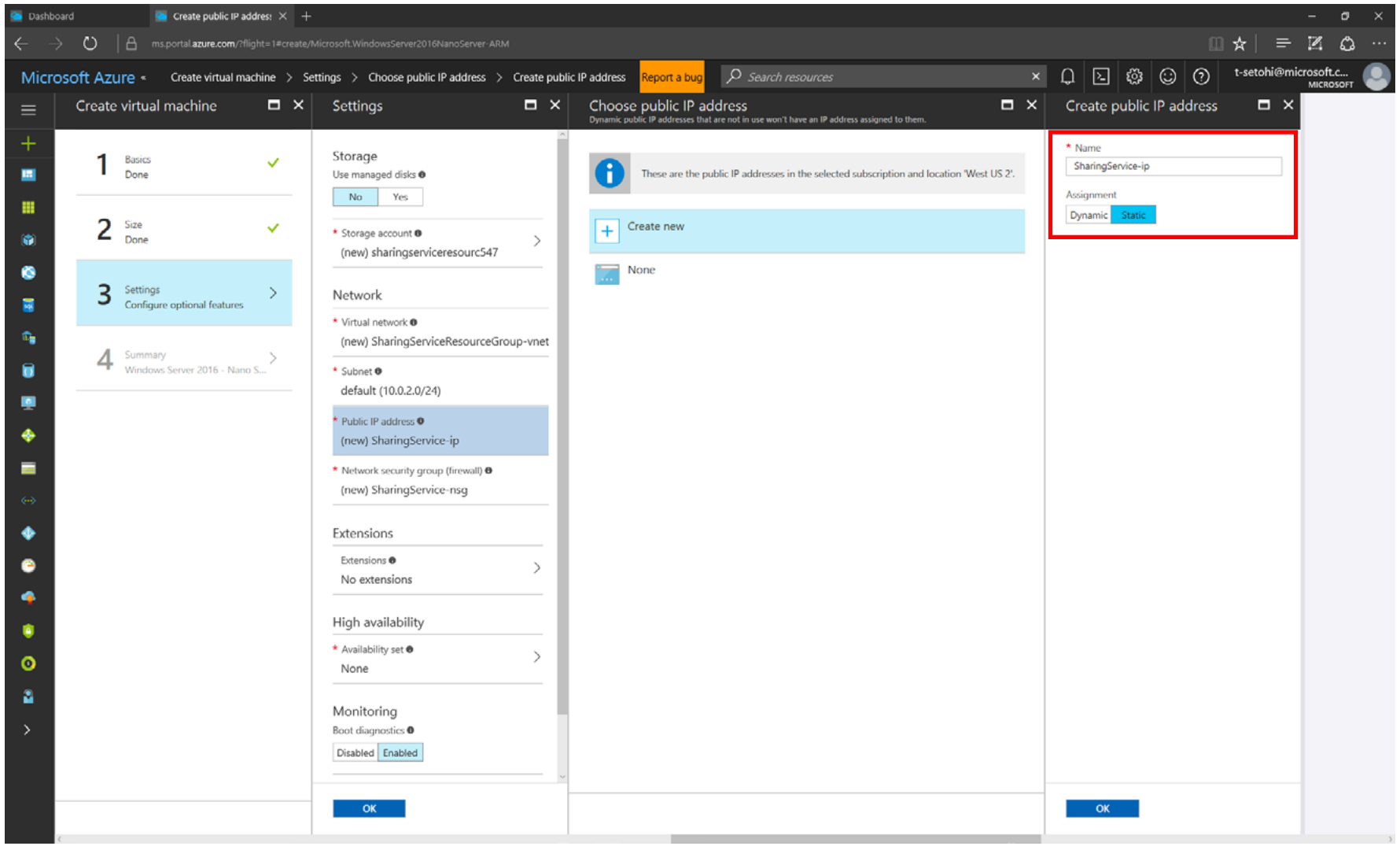
3. Scroll down to the *Operating Systems* section and select *Windows*.
Select *Windows 10 Enterprise N* and click on "**Create**".



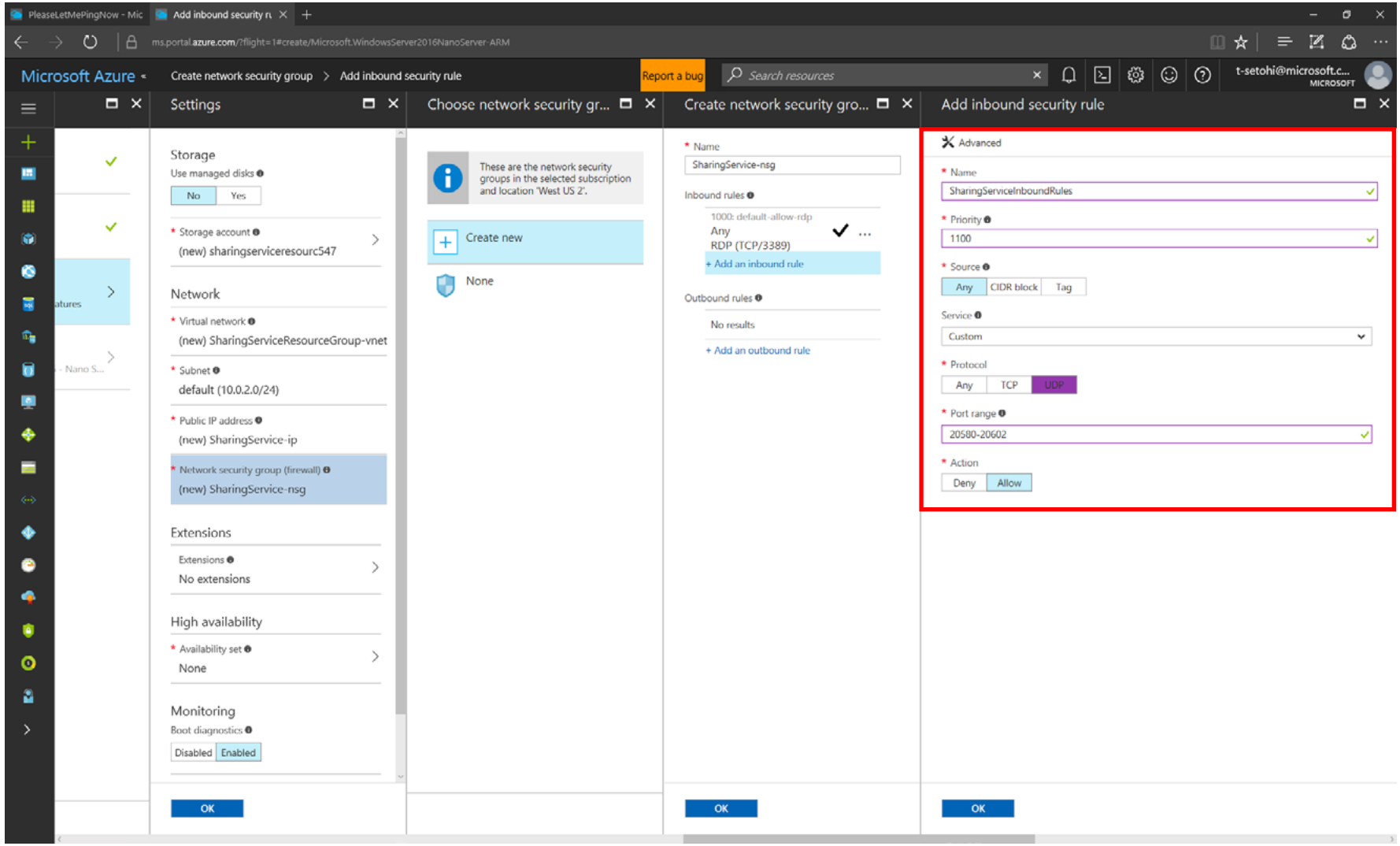
4. Configure the basic settings.
Select **HDD** as the VM disk type, and choose a user name and password.
These credentials will be used to log into the VM.
Your subscription should be chosen already, and you should create a new resource group.
Choose one of the **Canadian locations** as the location.



5. Now we need to choose a VM size. This determines the speed and power of the VM. For the purposes of the sharing service, the basic size is fine.
Select **A0**, the cheapest size. If you later find that the VM is too slow to even start the sharing service, you can change the size to A1.

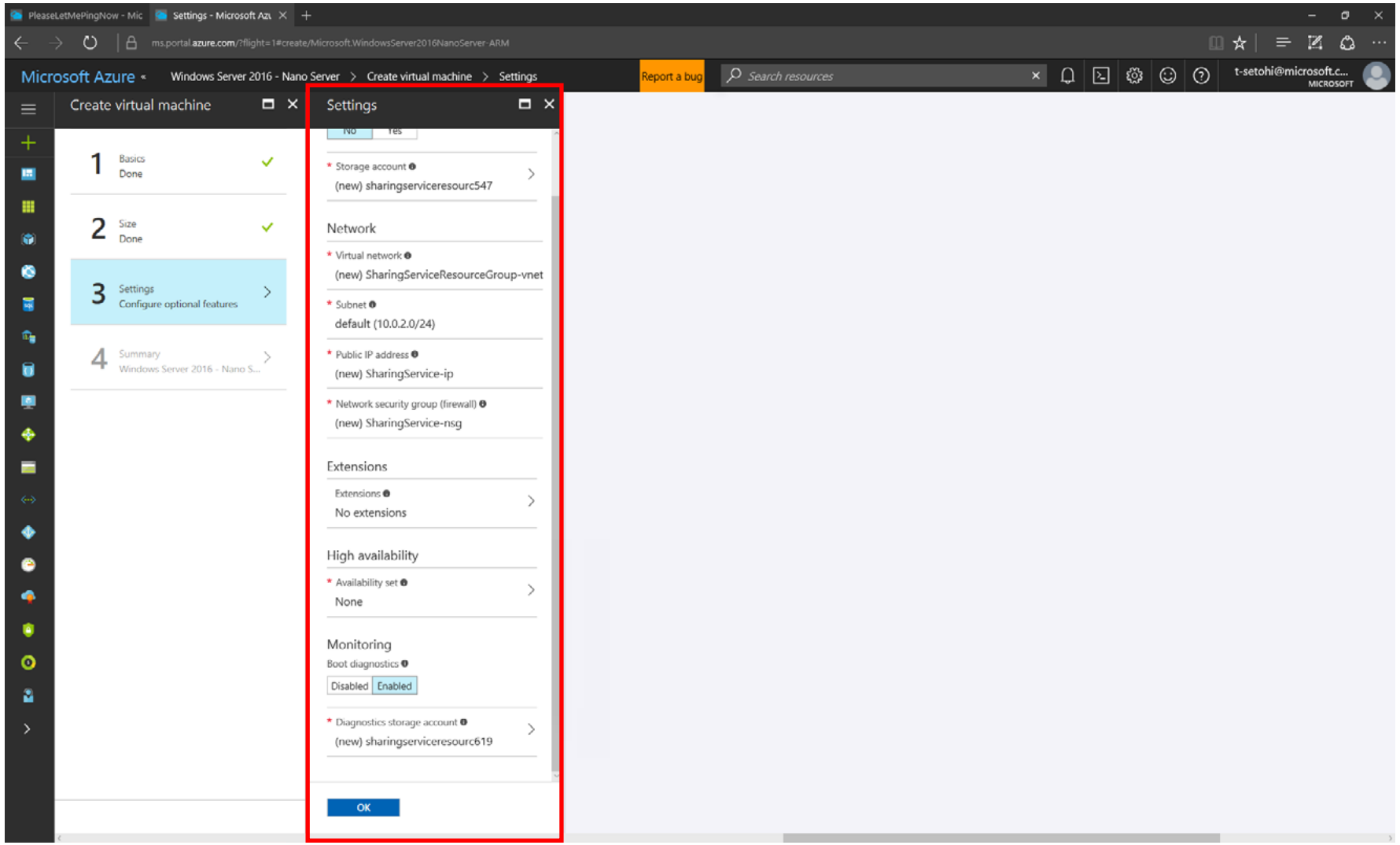


6. We must configure the IP of the device. The IP address will be used to connect the project to the sharing service. Be sure to create a new IP that is static.

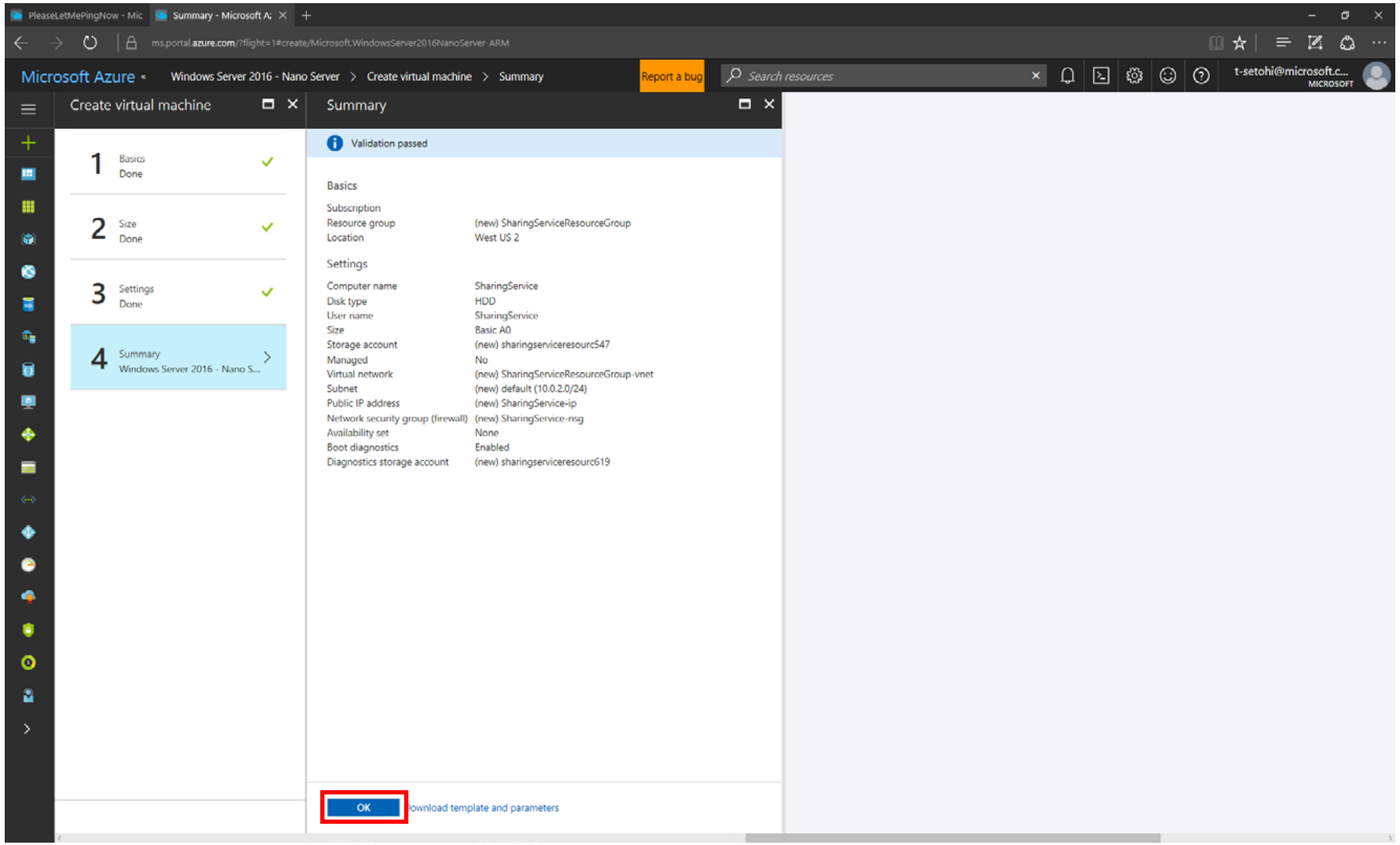


7. We need to let our devices communicate through the VM. This requires opening ports on the VM specific to the sharing service.

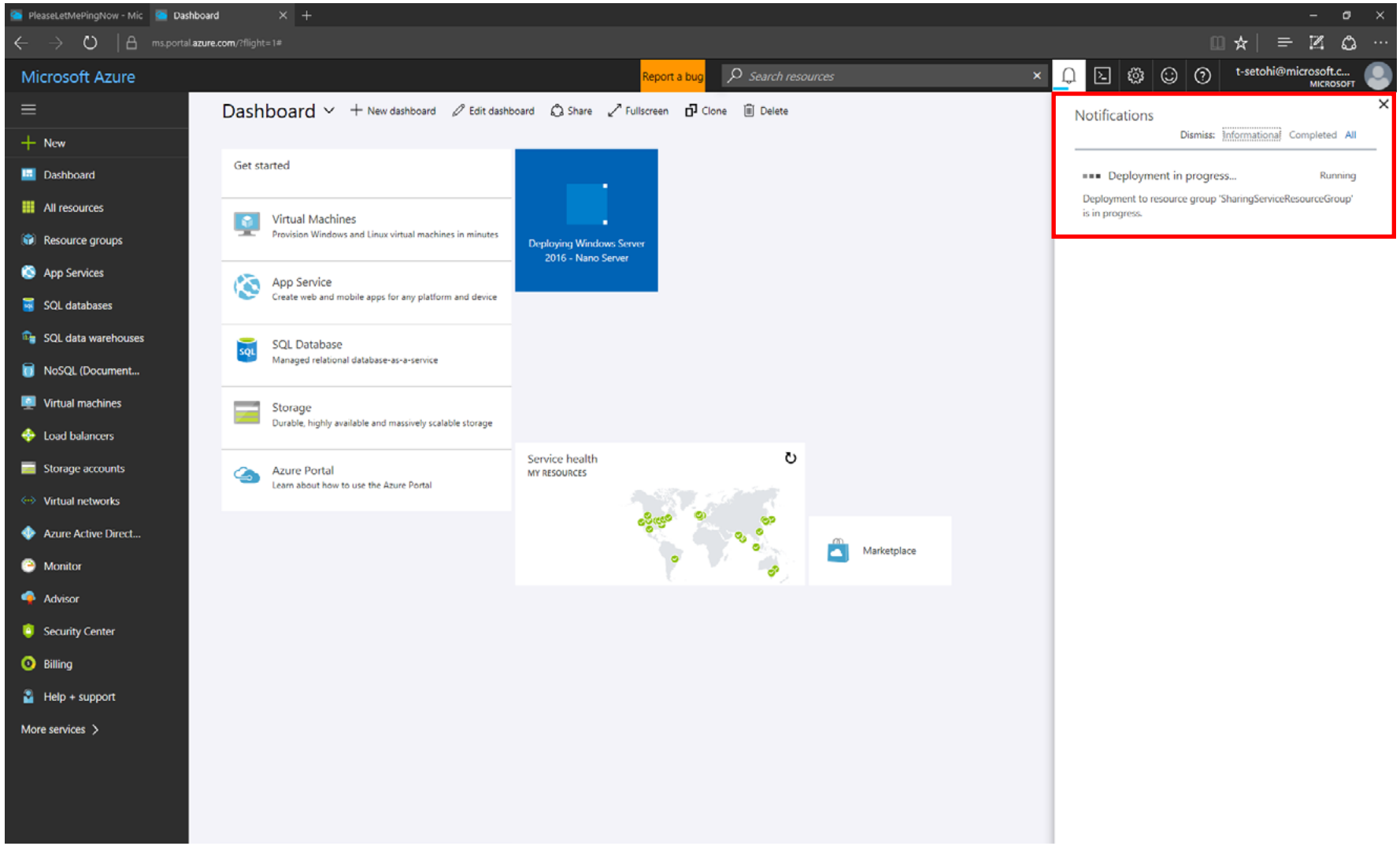
Create a new inbound rule for the UDP protocol on **ports 20580-20602**. Opening these ports allows for 20 unique concurrent sessions. If more need to be added later on, decrease the lower bound of the port range (e.g. go down to 20570).



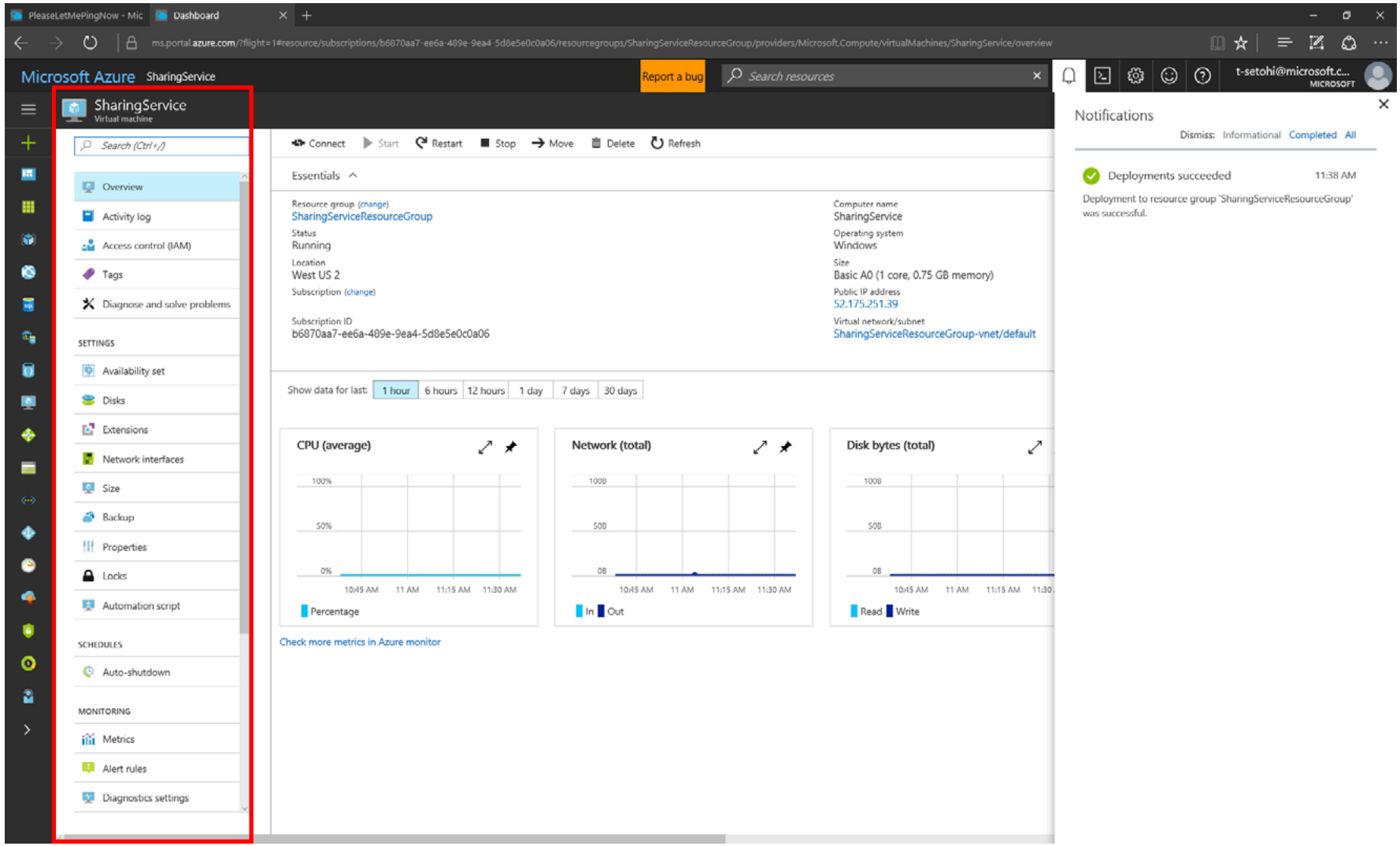
8. Confirm that the settings are correct and click "**OK**".



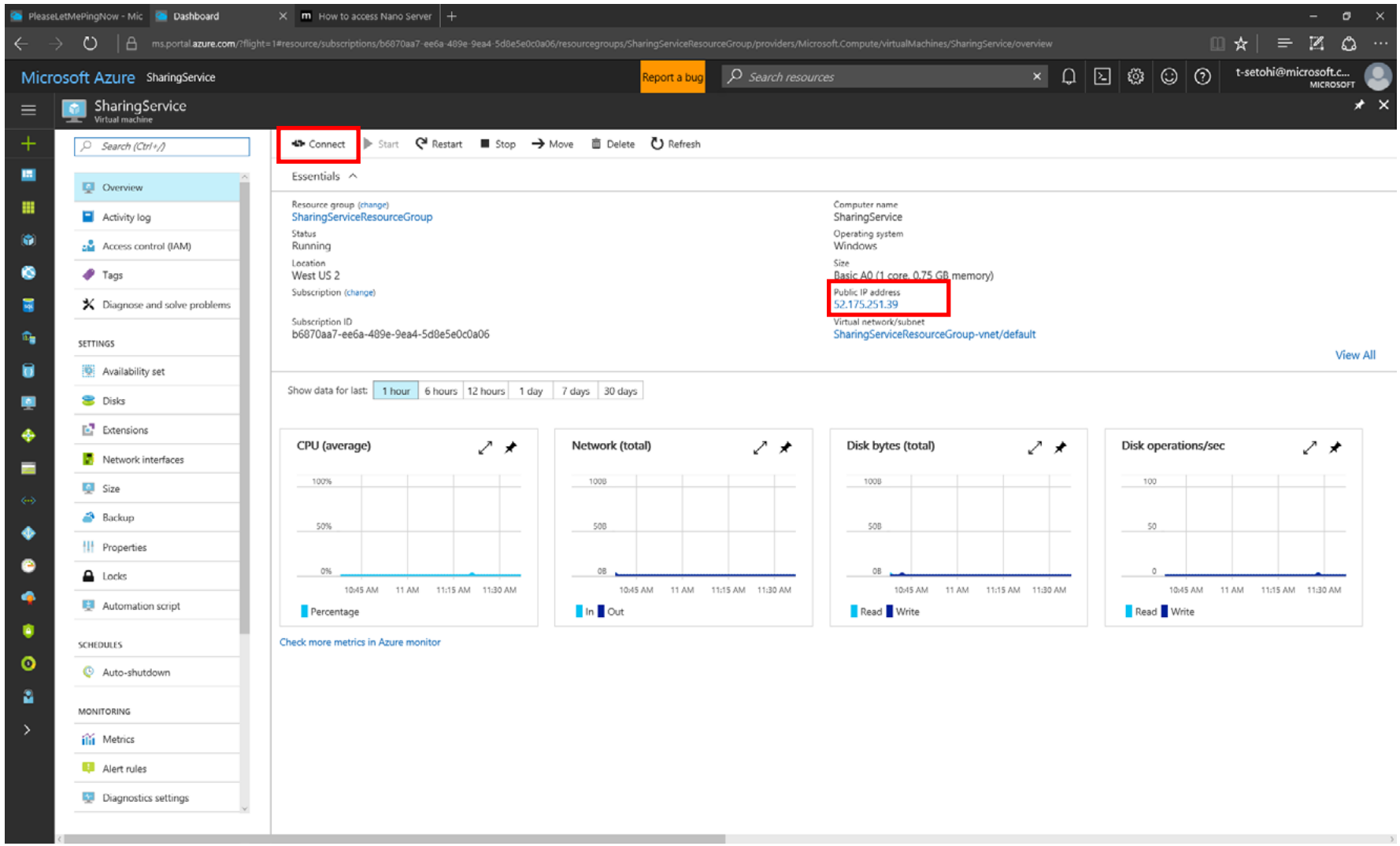
9. View the summary and click "**OK**".



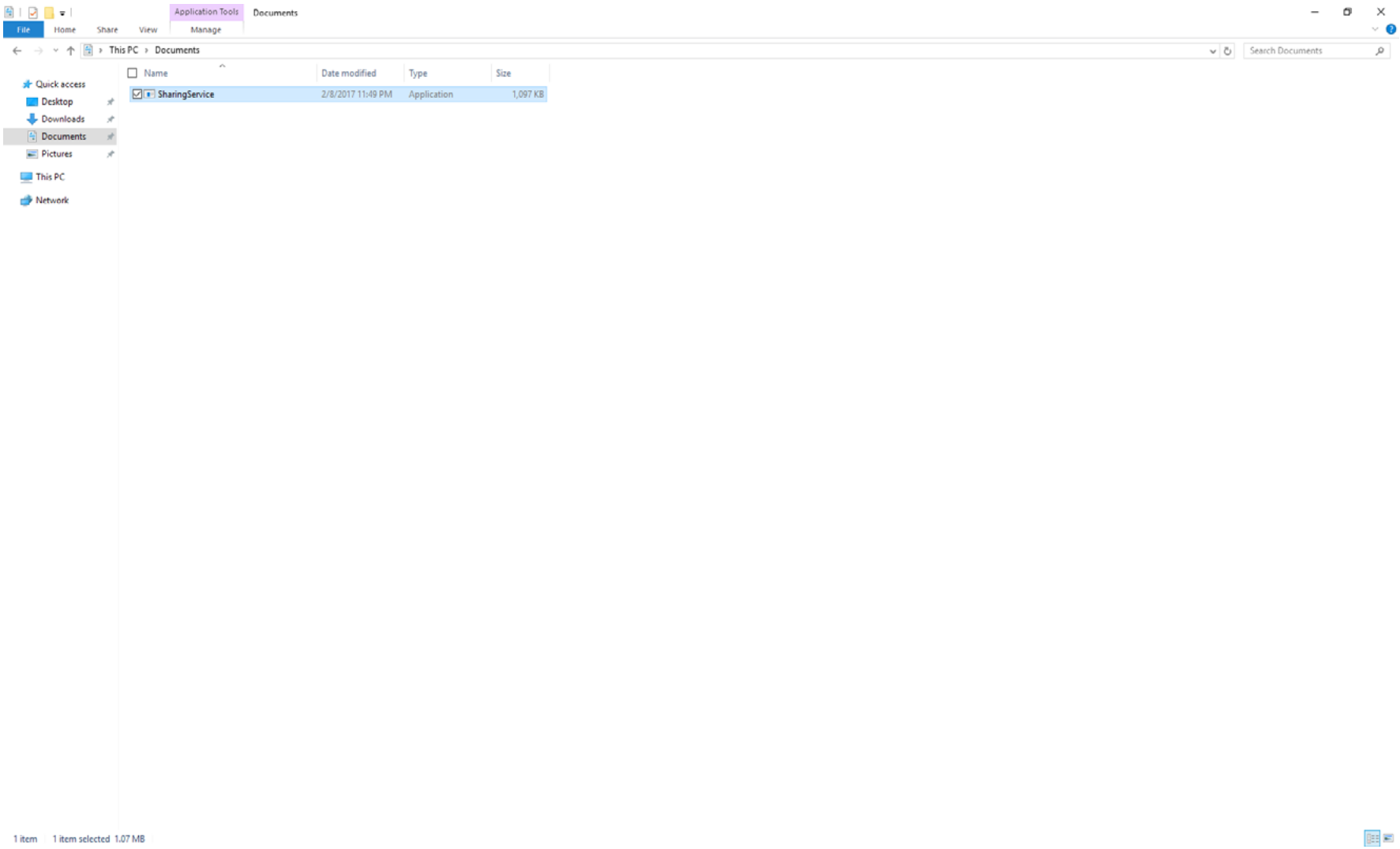
10. The VM will start deploying. It will take up to 10 minutes for the VM to deploy.



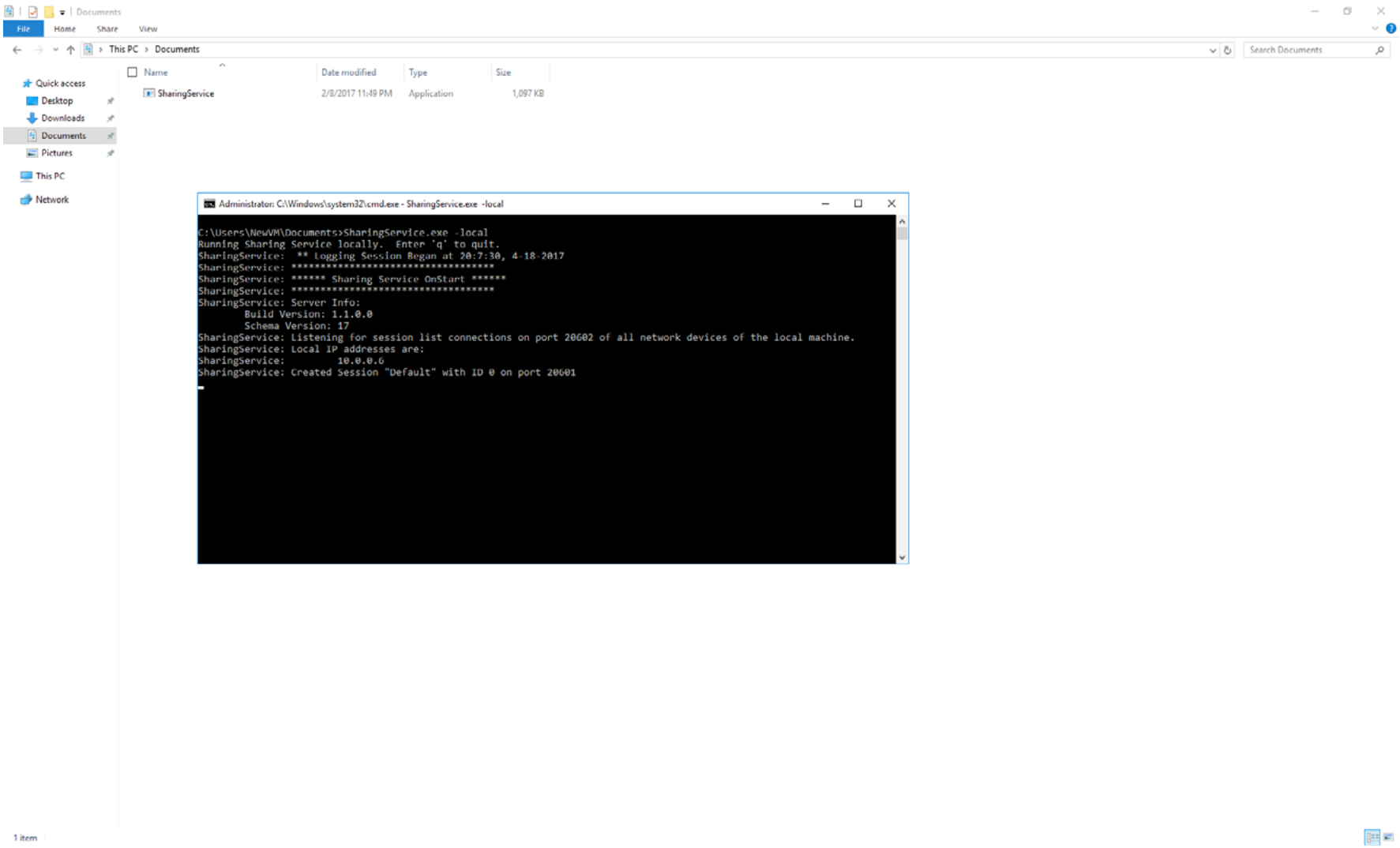
11. Once the VM is done deploying, you can select it in the *virtual machines section* to see an overview.



12. Take note of the **public IP address**, which is the IP that the project will use to connect to the sharing service.
Click on the "**Connect**" button to download the remote desktop connection file, and open it to connect to the VM. You will need to use the username and password that you selected in Step 4.



13. Once connected to the VM, it will take up to 10 minutes to load and bring you to its desktop. Files can be directly copied from your computer and pasted into the VM. Copy the **SharingService.exe** file and paste it into the VM.



14. Hold **shift** and **right-click** inside the folder. Select "**Open command window here**". In the terminal that opens up, type "**SharingService.exe -local**" (without quotations). This will start the sharing service. Whenever someone creates a new session or joins a session, it will be shown in this terminal.

Misc.

The IP address must be entered into the Unity project using the Unity editor. The project must be rebuilt in Unity, must then be built in Visual Studio, and finally deployed onto the HoloLens.

If you notice that people are unable to connect to the sharing service, you can close the window and run the sharing service again (step 14). This has happened to us a few times and restarting the sharing service has occasionally fixed the problem.