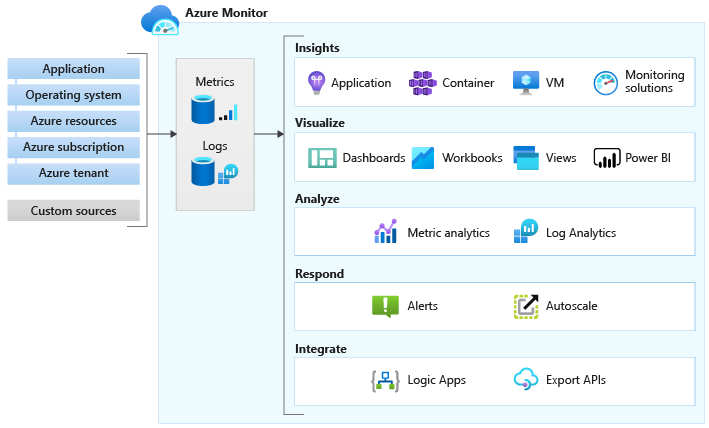
**Set up a Log Analytics workspace and Azure Monitor VM Insights.**

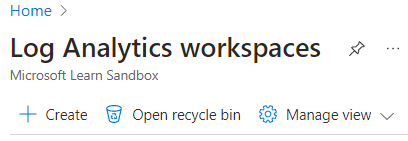
In this unit, we will:

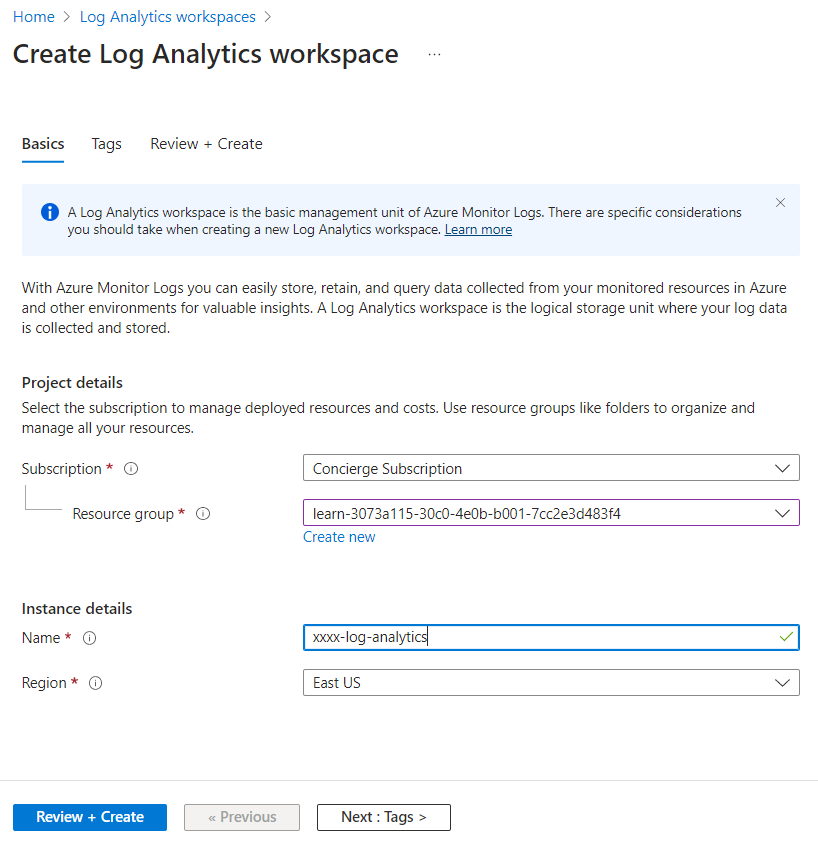
1. Create a Log Analytics workspace.
2. Configure the Log Analytics workspace permissions model for the environment you're supporting.
3. Create two virtual machines and onboard both to Azure Monitor VM Insights.



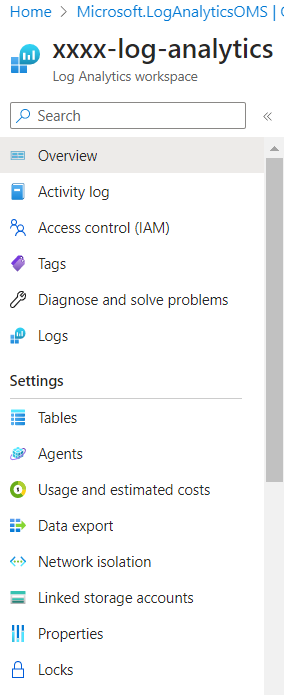
**1. Create a Log Analytics Workspace.**

- We have to create the workspace first, by searching for Log Analytics Workspace in the Azure Portal search bar and selecting the + Create button on the left side of the screen:

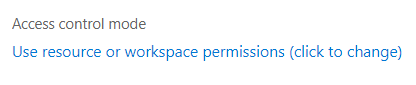




- After it’s created, we select it and go into it’s General -> Properties:

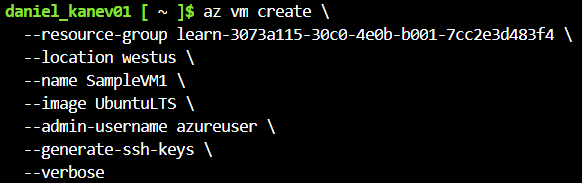


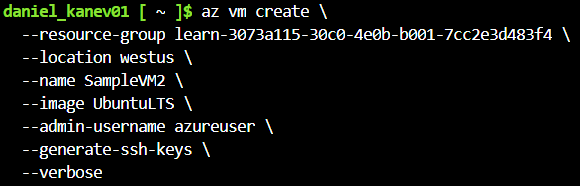
- And set the correct Access control mode:



**2. Set up the environment.**

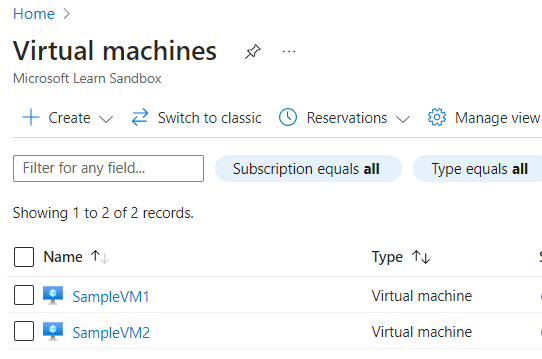
- we run the 2 bash commands in the Cloud shell here in order to create 2 virtual machines.



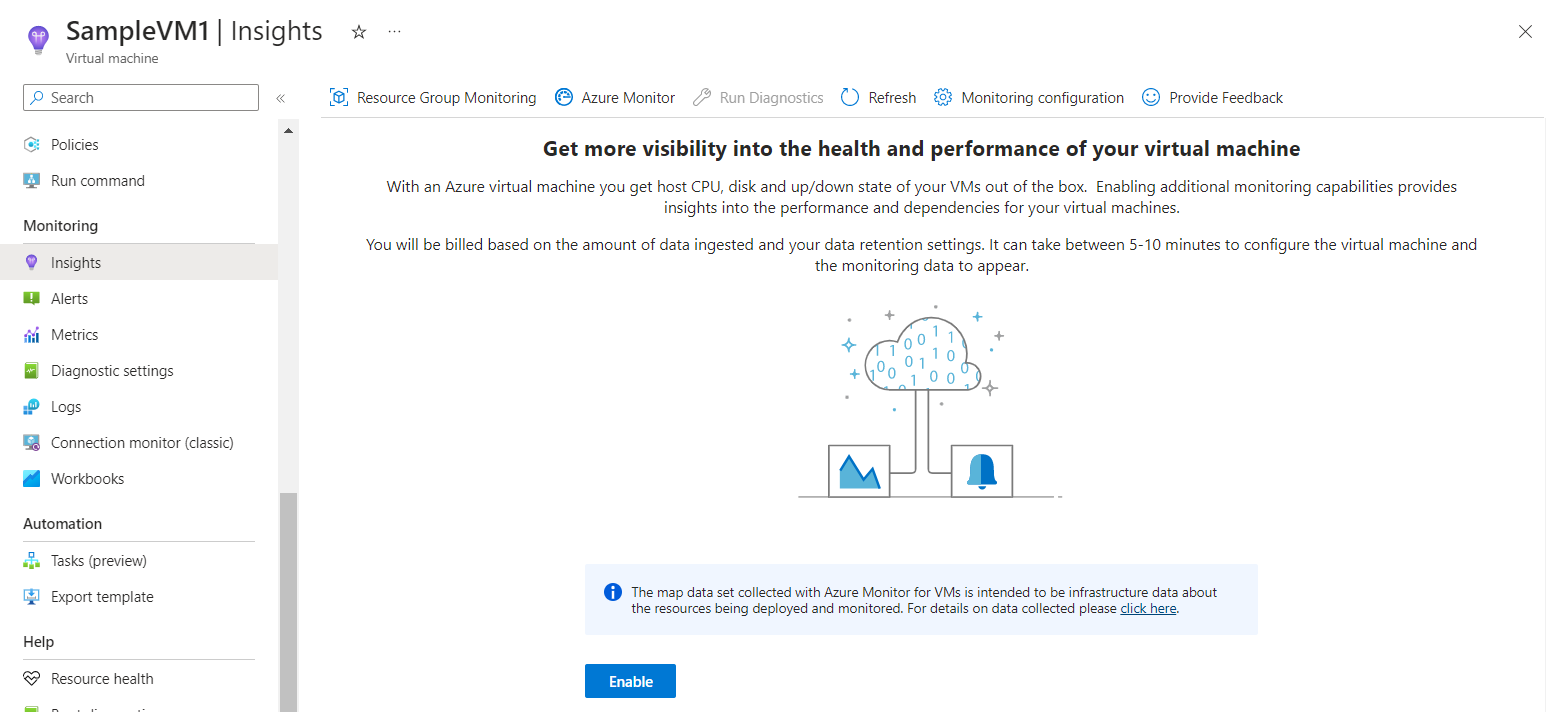


**3. Onboard virtual machines to Azure Monitor VM Insights.**

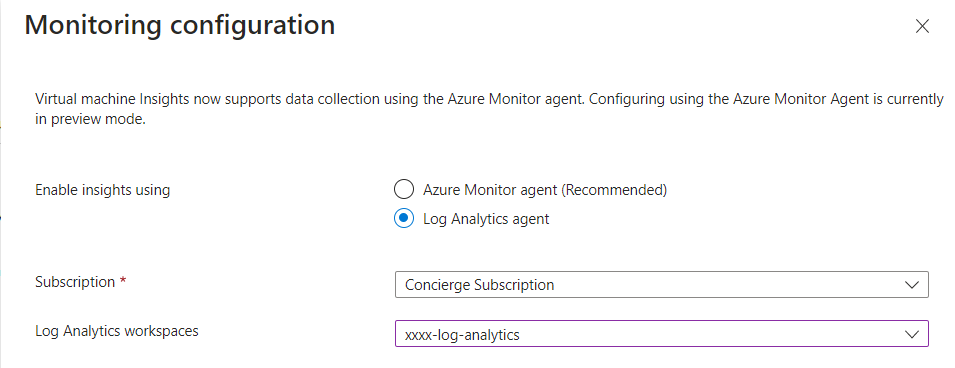
- Now from the Virtual machines in the Azure portal, we select SampleVM1.



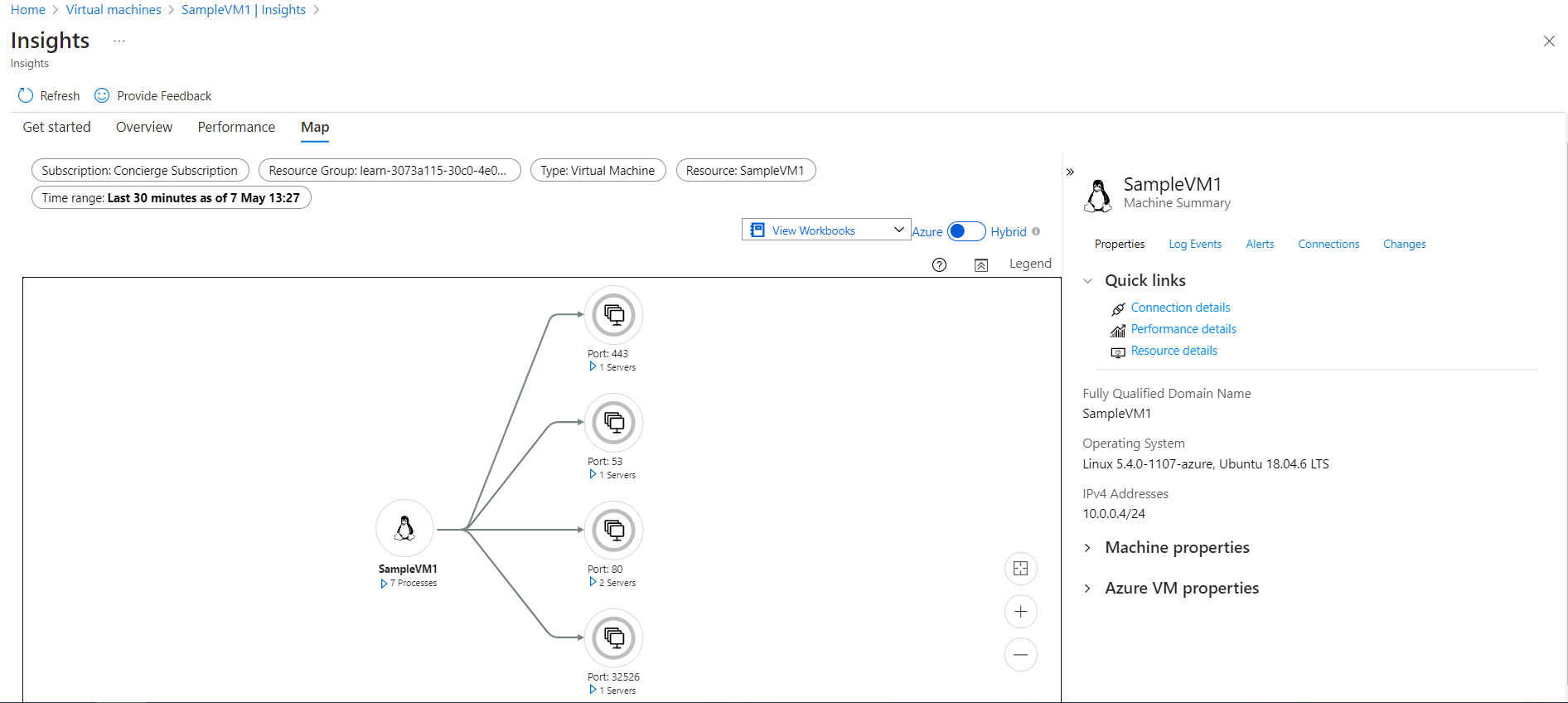
- On the left side in Monitoring -> Insights and select Enable:



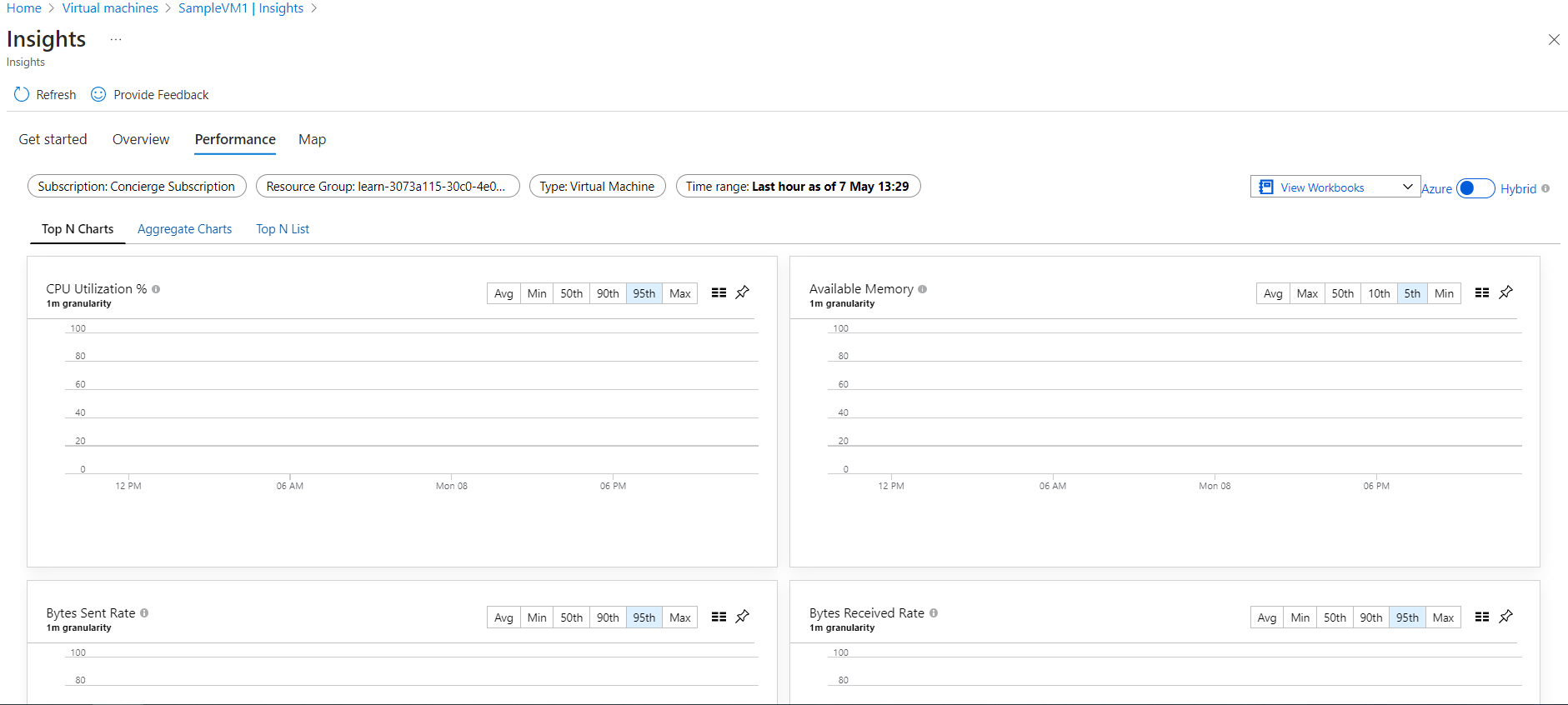
- And we select our configuration that we created earlier (repeat same steps for SampleVM2):

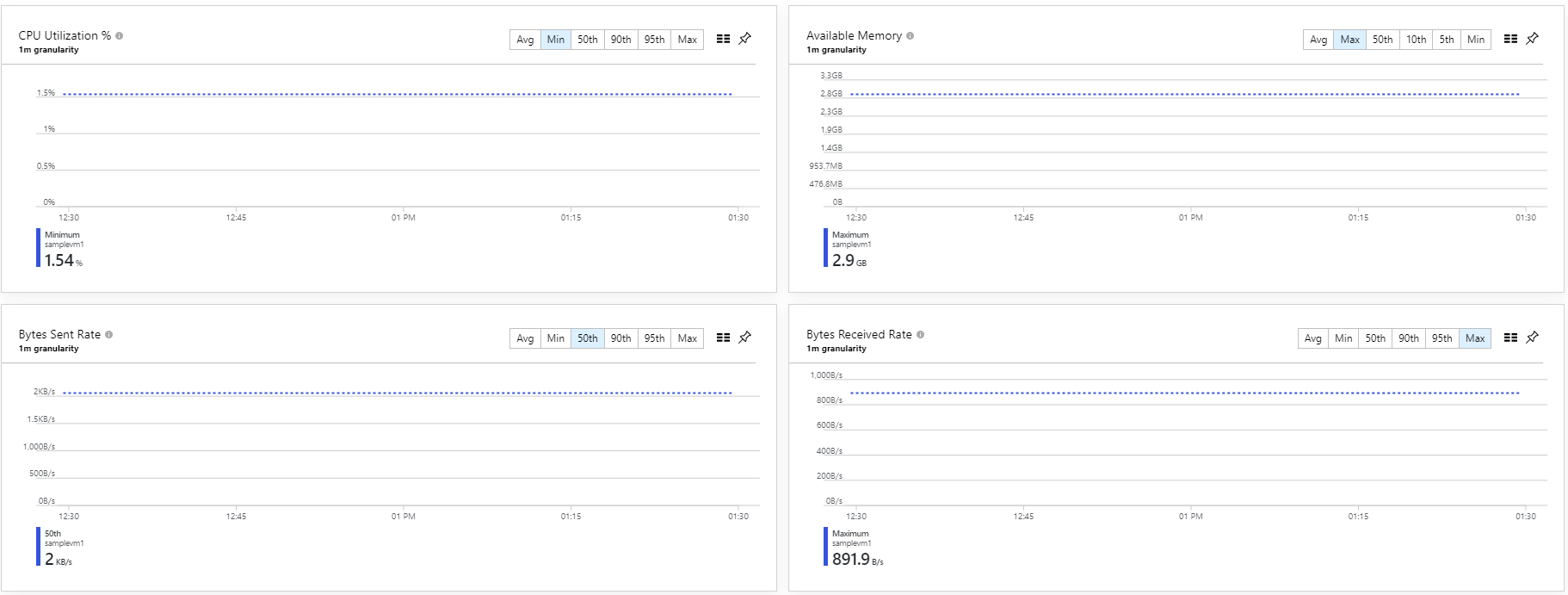


- We can now see the Map for VM1:

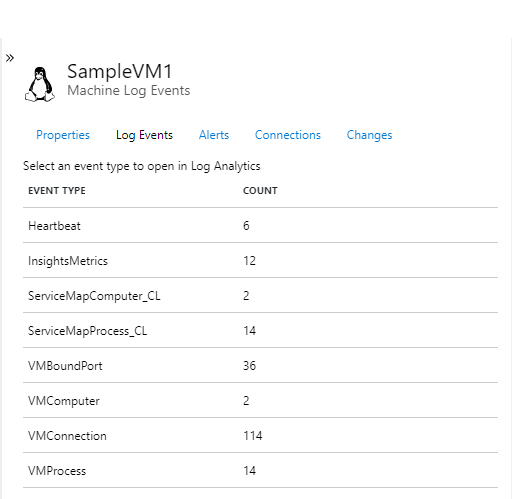


- And it’s Performance:

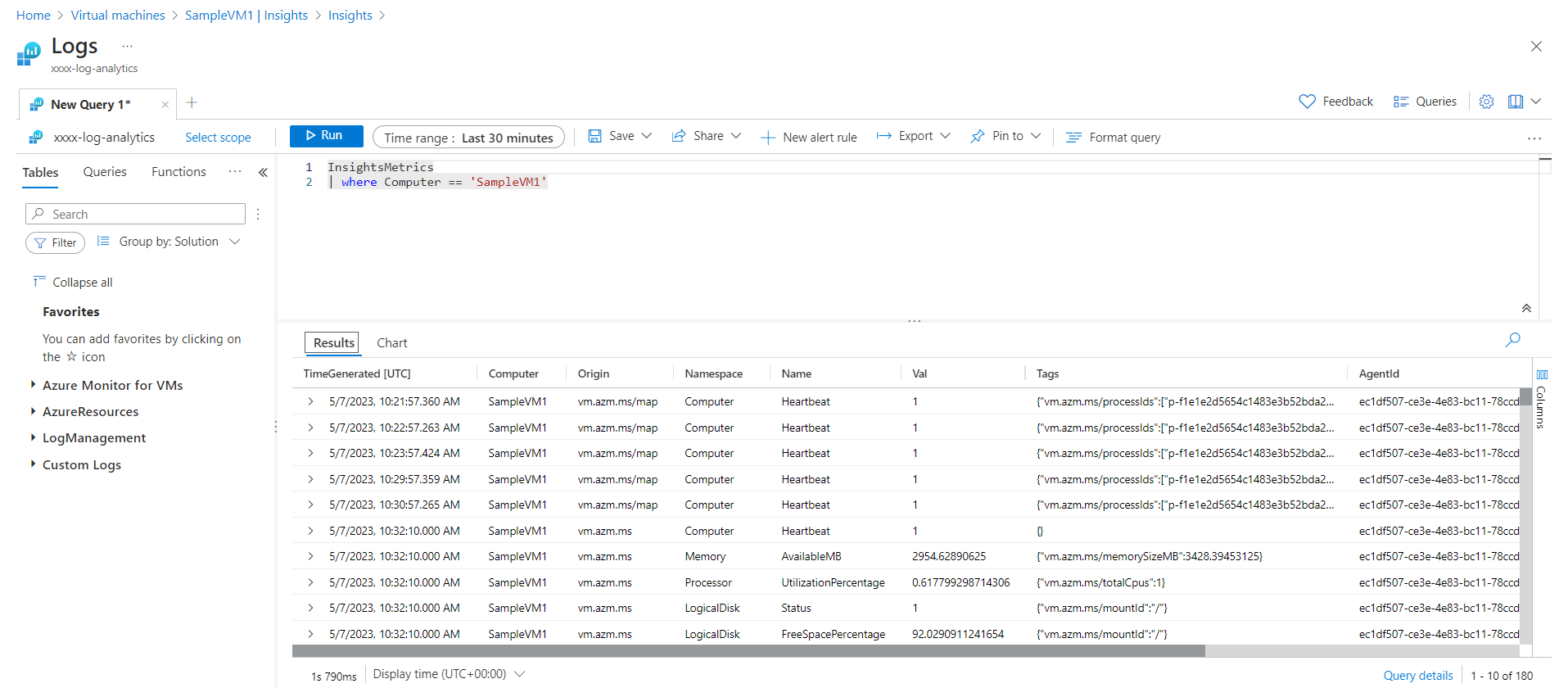




- Next, we can check its Log Event through here (while being on the Map tab):

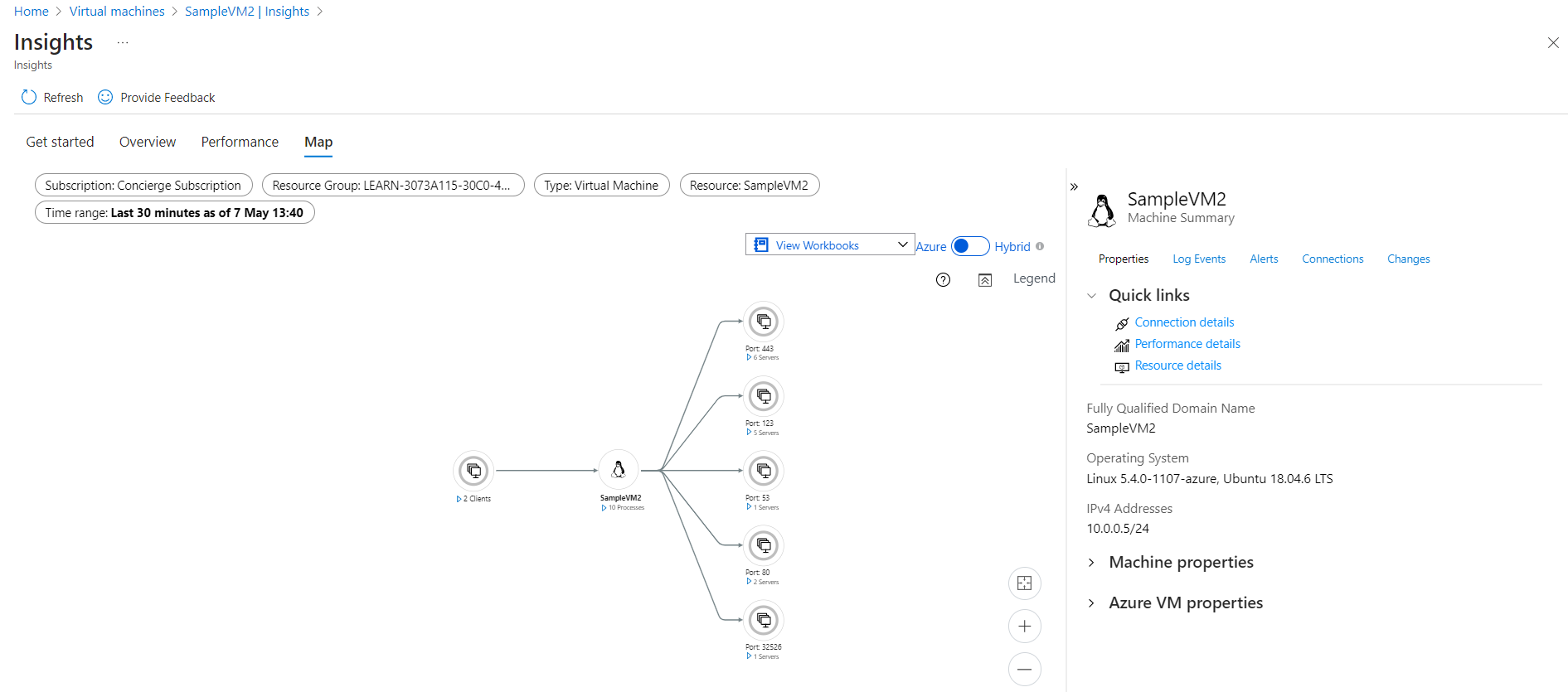


- And select InsightsMetrics, we can see the data being collected:

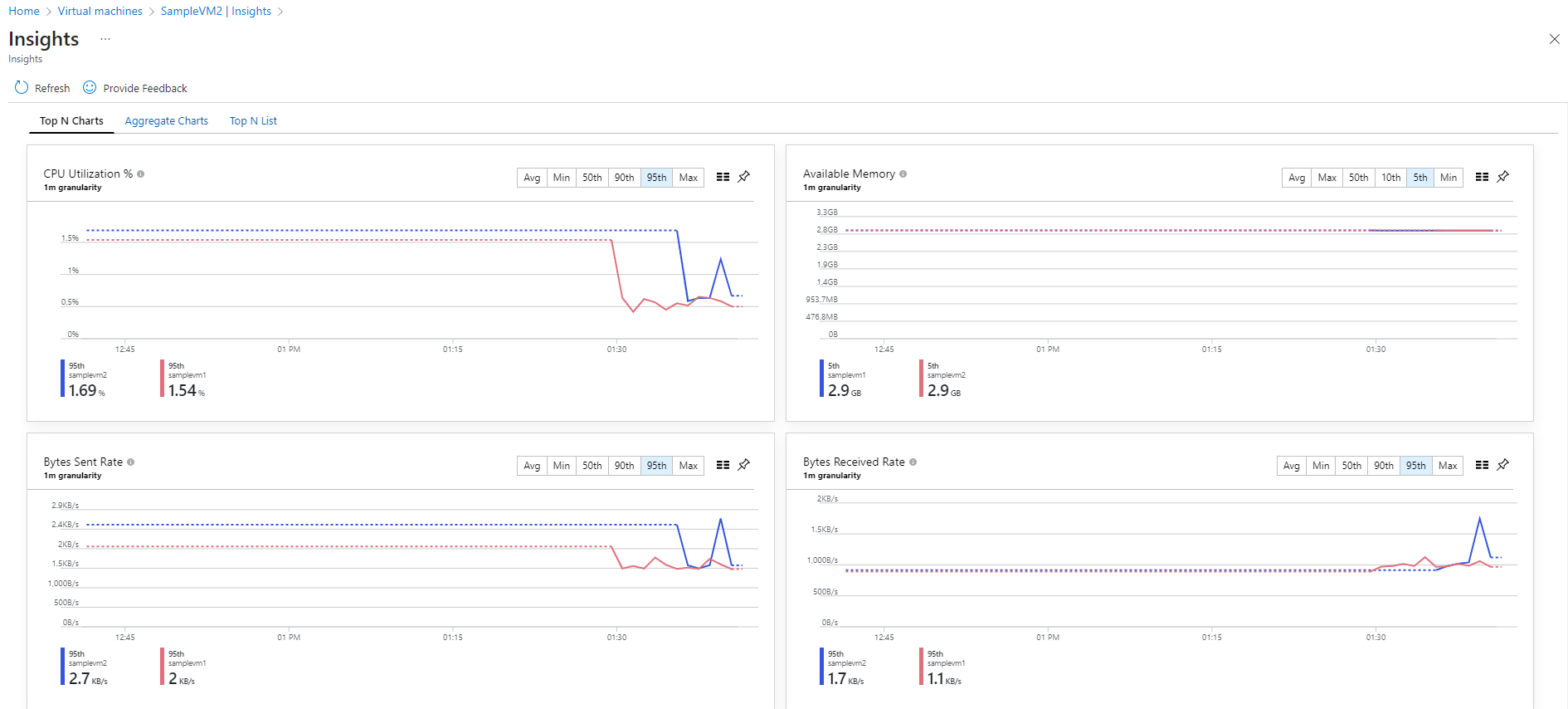


**Below is the information for the second virtual machine, SampleVM2.**

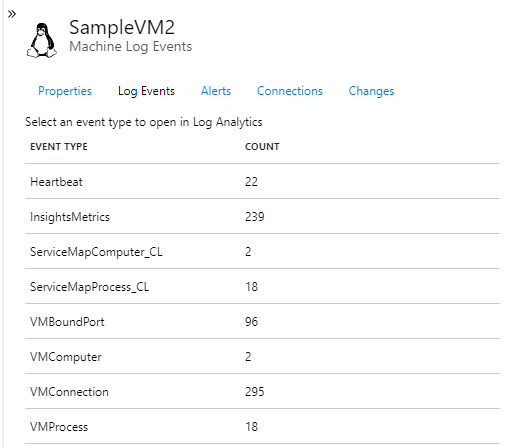
- Its Map:

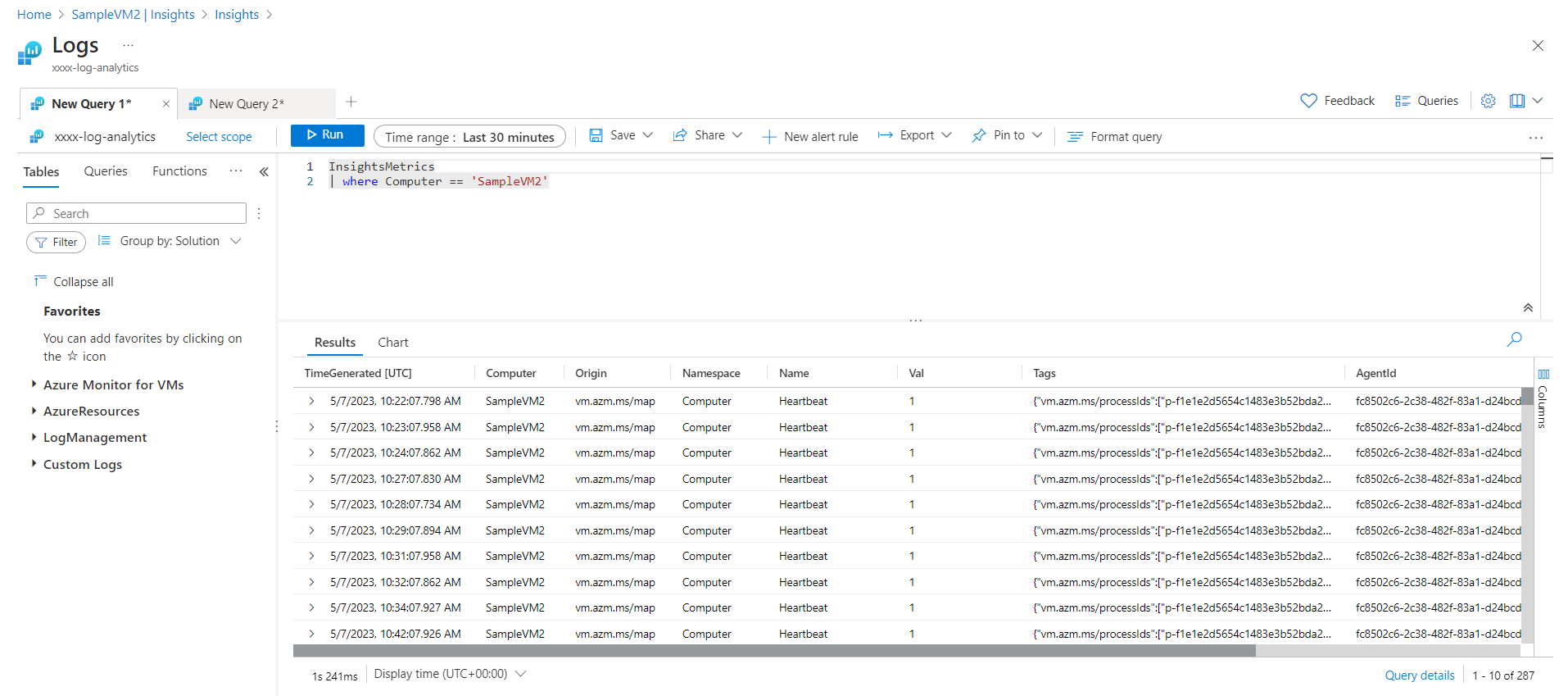


- Performance:



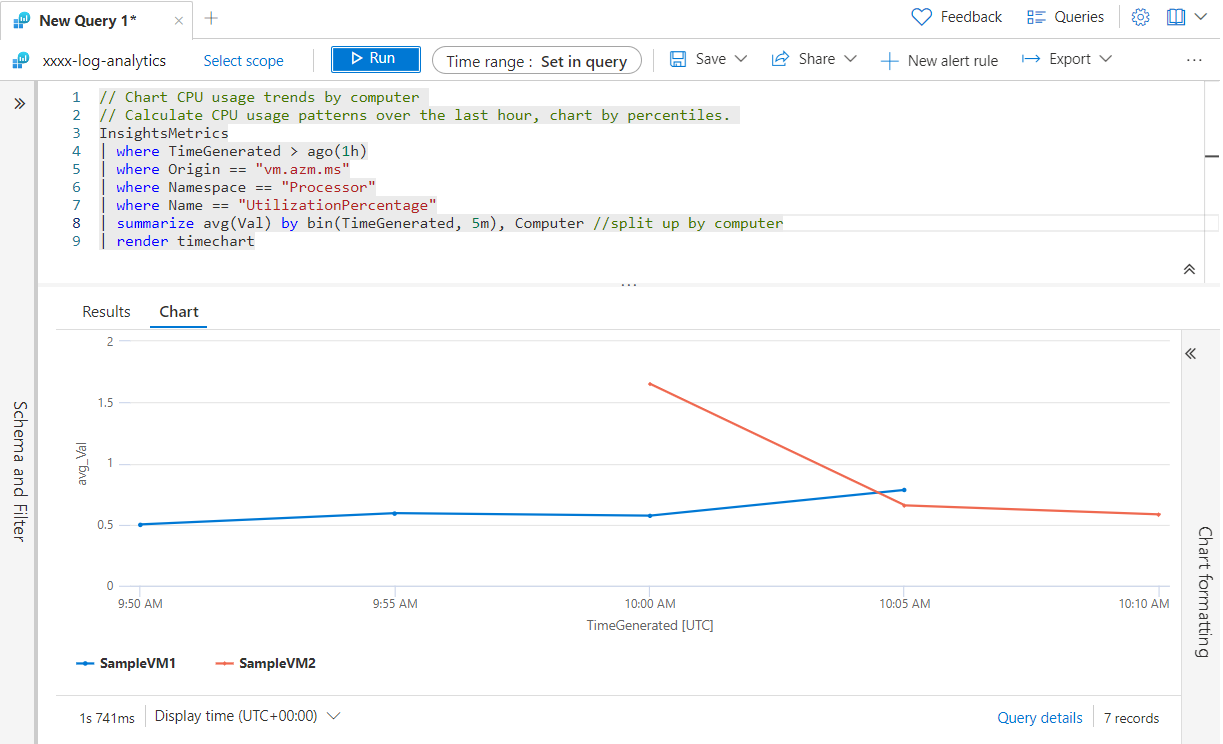
- And the Log Events:





**4. Log queries.**

- The avg (Val) query:



- The max (Val) query: