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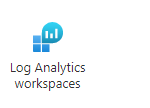
[Additional Information: 11](#_Toc75449763)

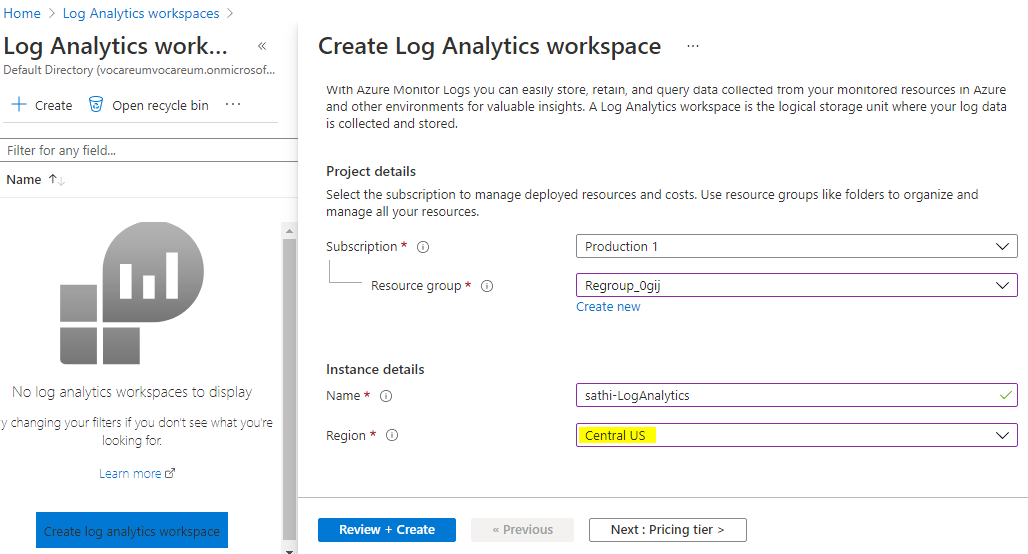
[Refrences : 13](#_Toc75449764)

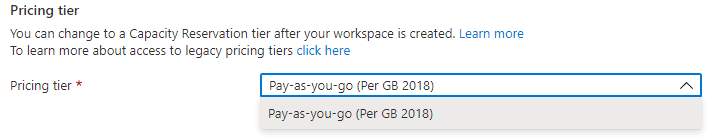
# Create Log Analytics WorkSpace:

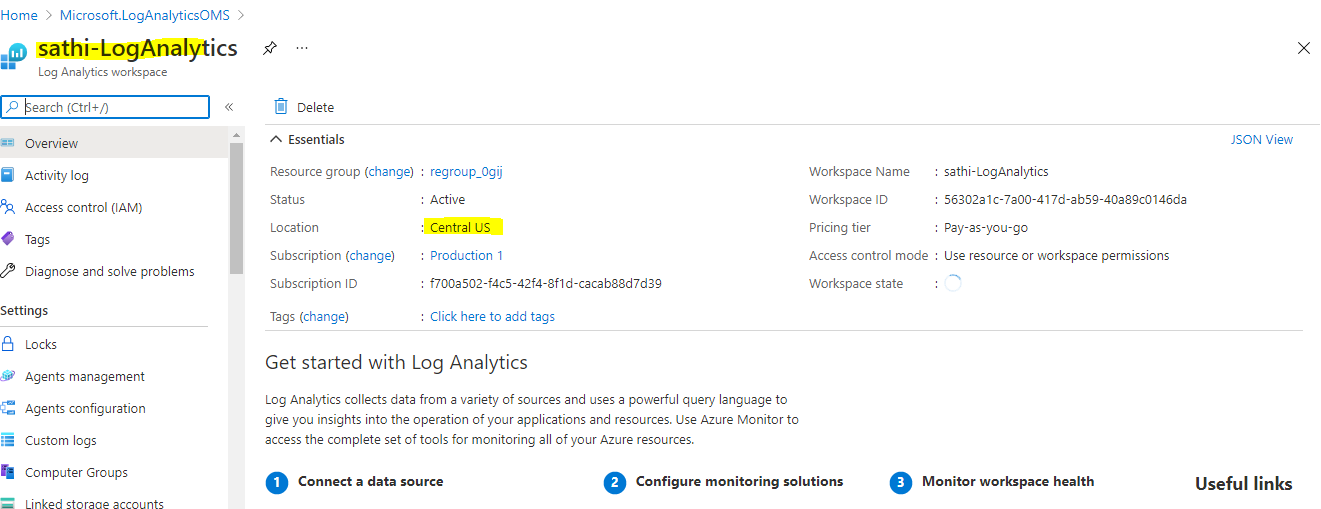
*Create a Log Analytics Workspace in the Central US region. Ensure that the workspace has the Log Analytics Contributor Role.*

-Search for Log Analytics Workspaces and create Log Analytics workspace as below

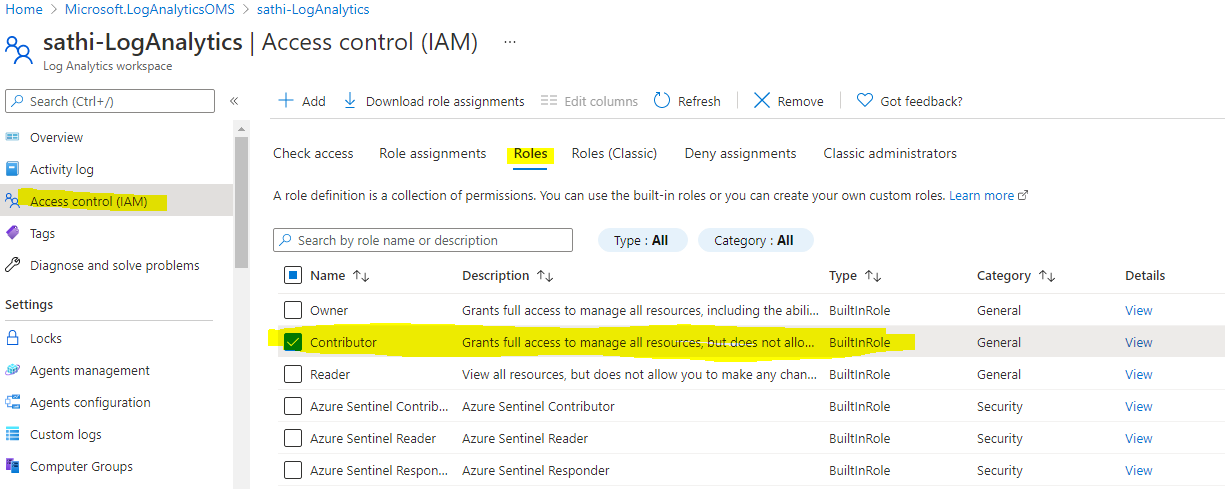








*Contributor Role verification*

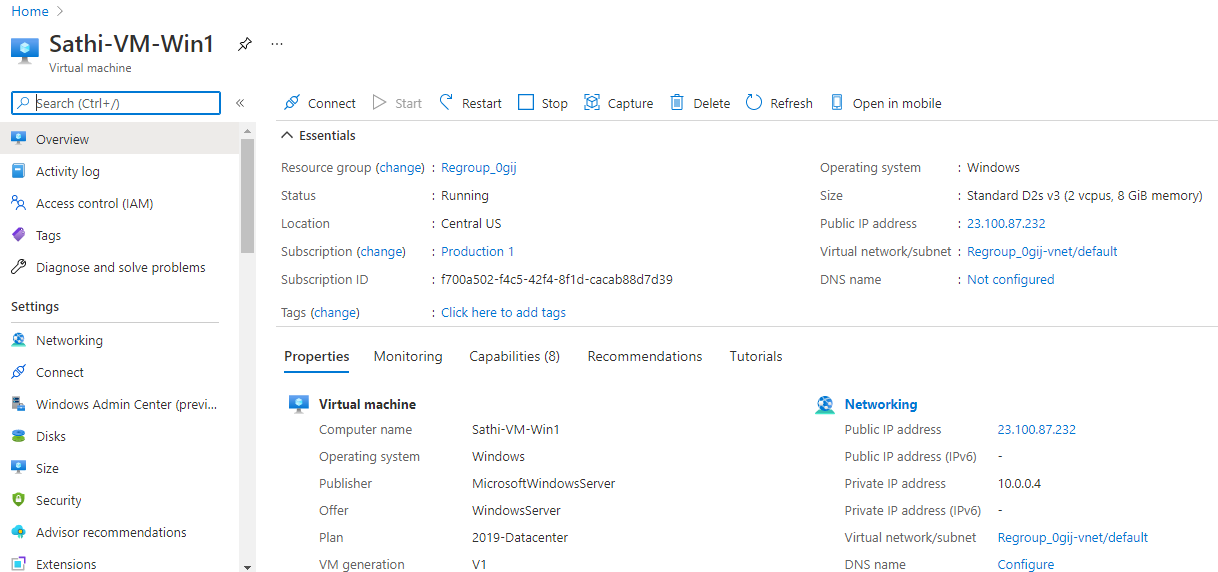


# Configure VMInsights for the Workspace

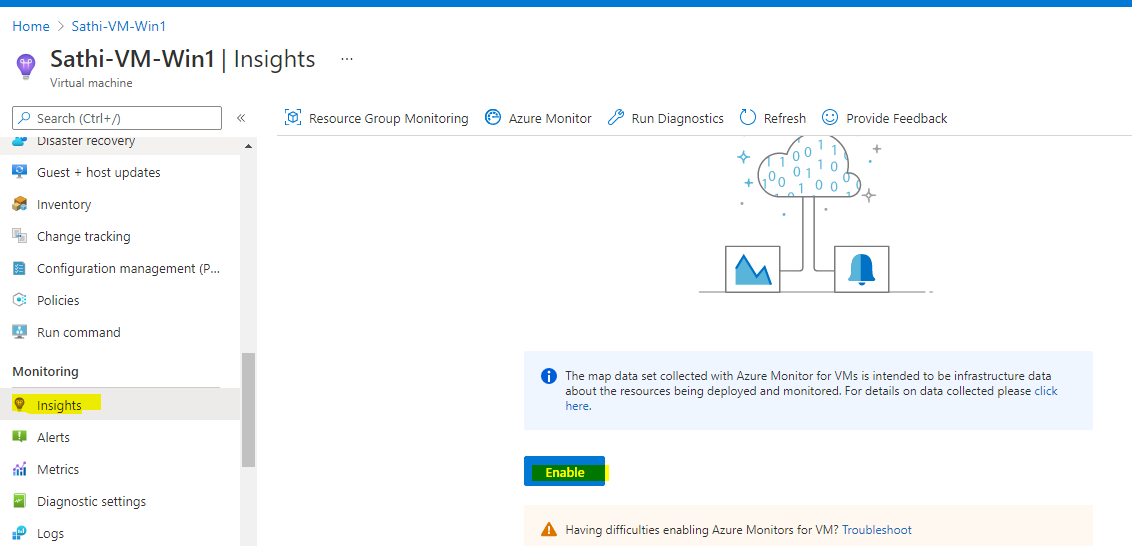
Add VM Insights to the workspace created to enable all VMs to send data to

Insight Metrics

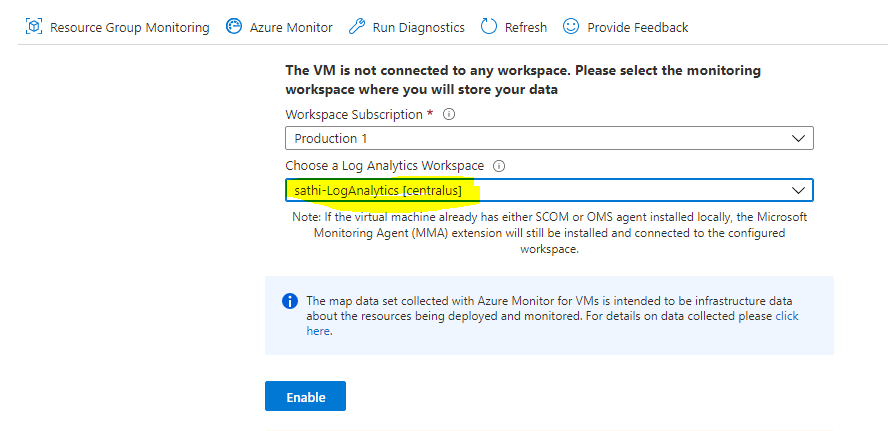
Create VM1



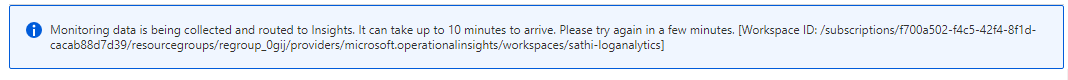
*Go to VM Insights and Enable the log anayltics work space created above*



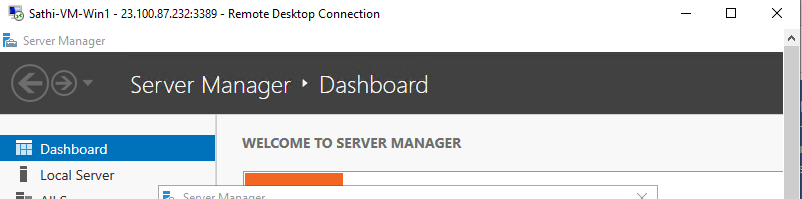
*Select log analytics created in earlier step*

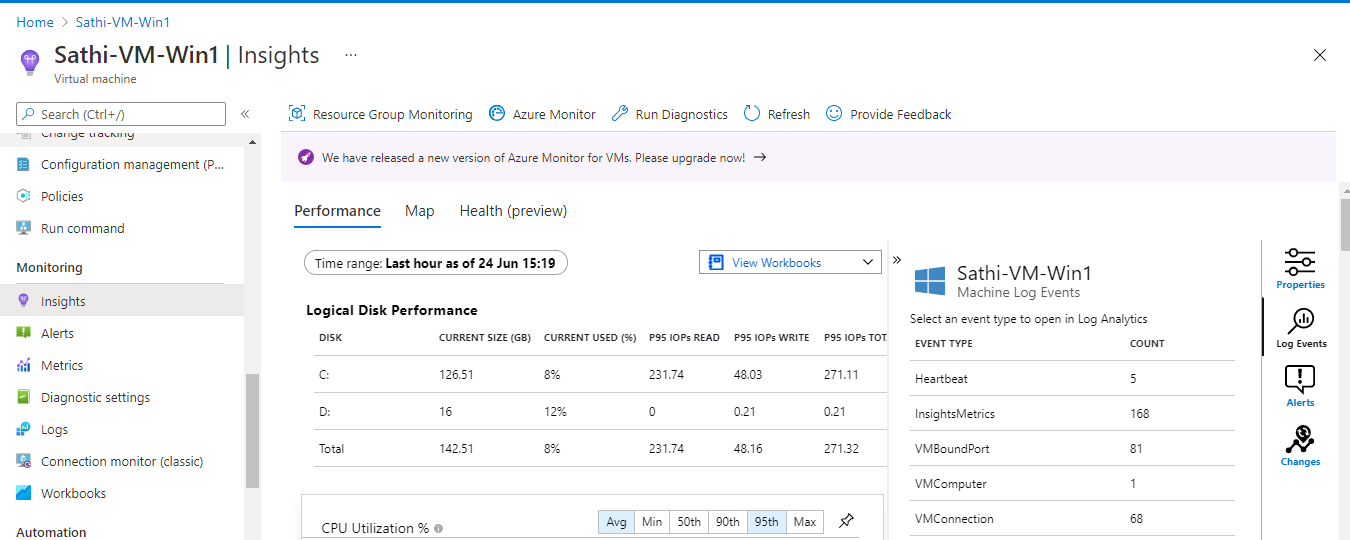




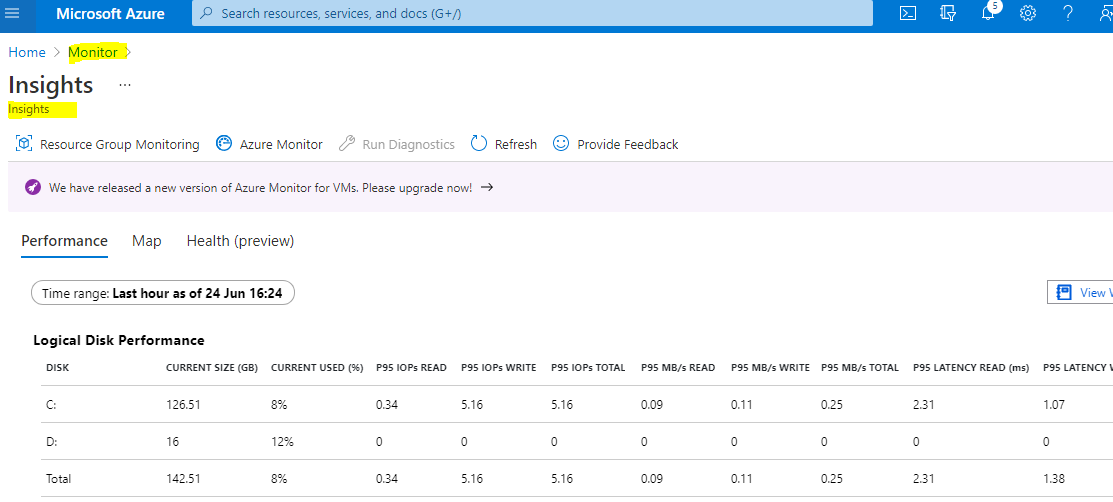


Login to verify VM and do some activity

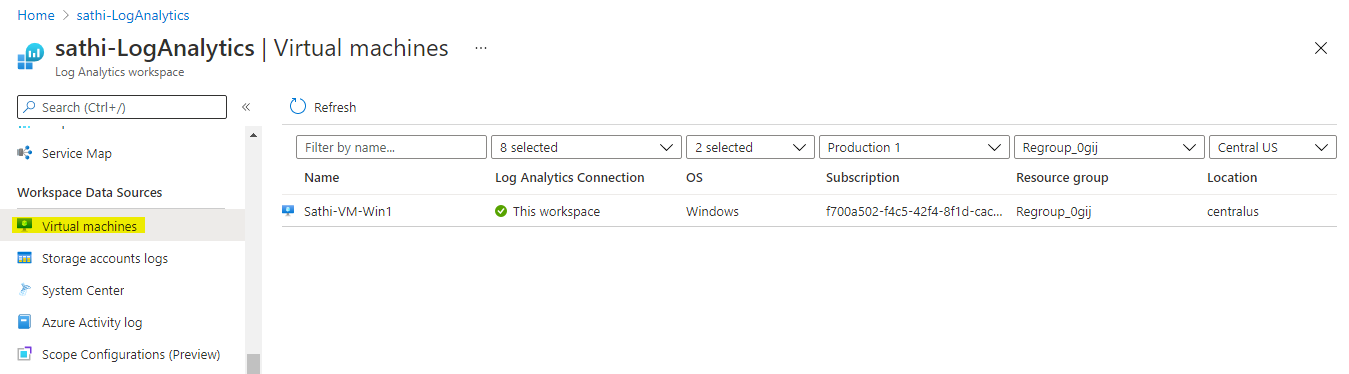


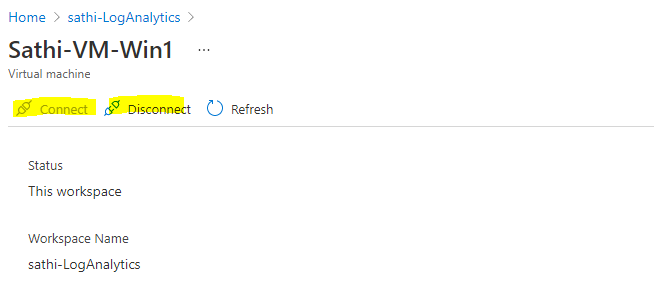
*We can view all the fundamental VM insights*  
*==> From Virtual Machine =>Insights Path*

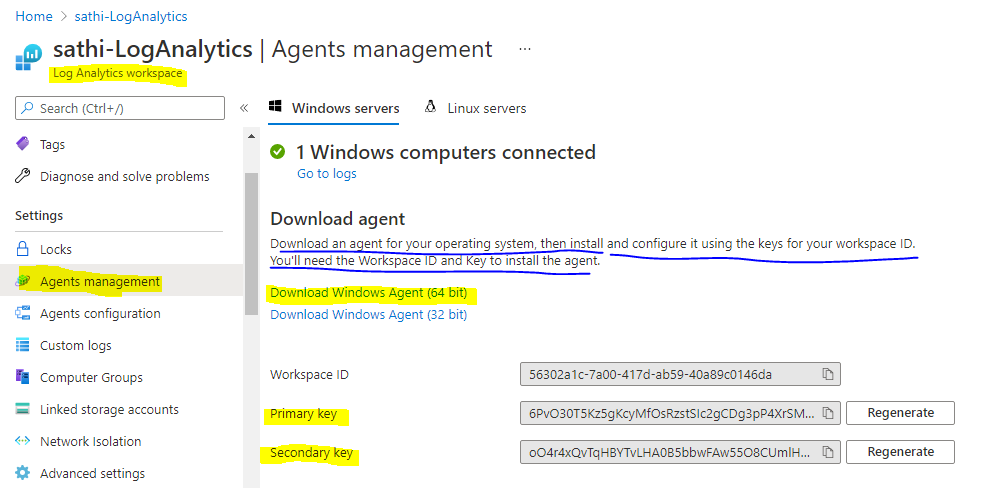
*==> From Monitor path : Monitor==>Virtual machines*



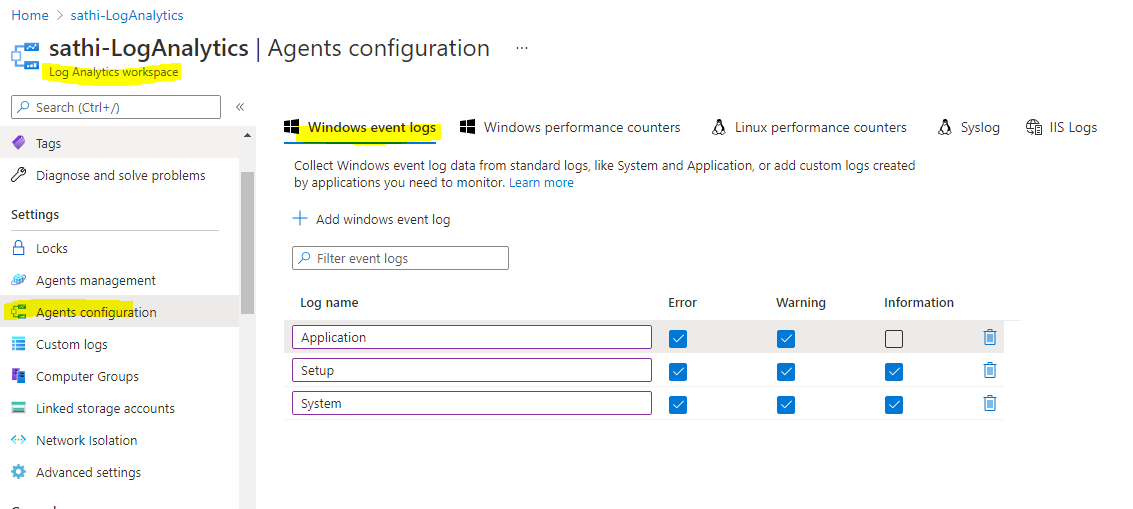
Connect VM – LogAnylatics  
-The above VM is connected to Log Analytical Workspace as we enabled in earlier step, if not naviagate to Log analytics workspace data sources , click on virtual machines and select the machine to connet/disconnect



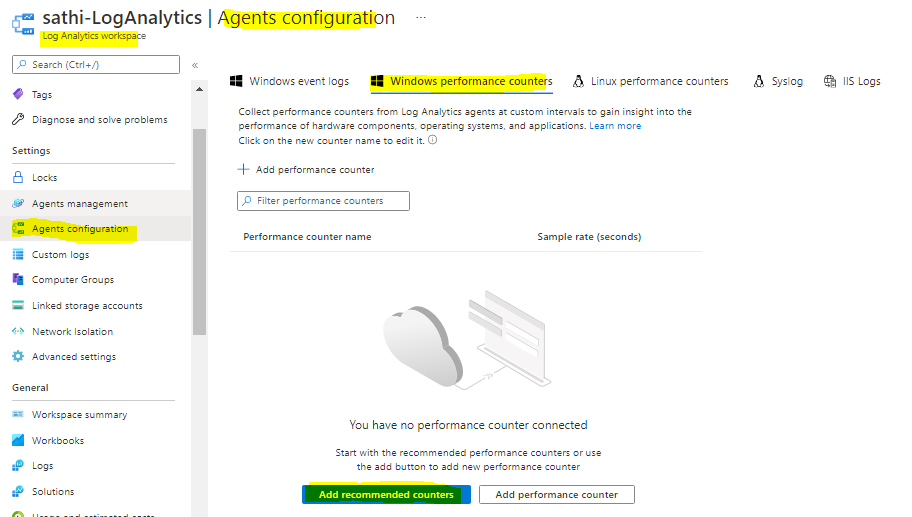
 

*Agent can be downlaoded manually and installed on any required machine*  


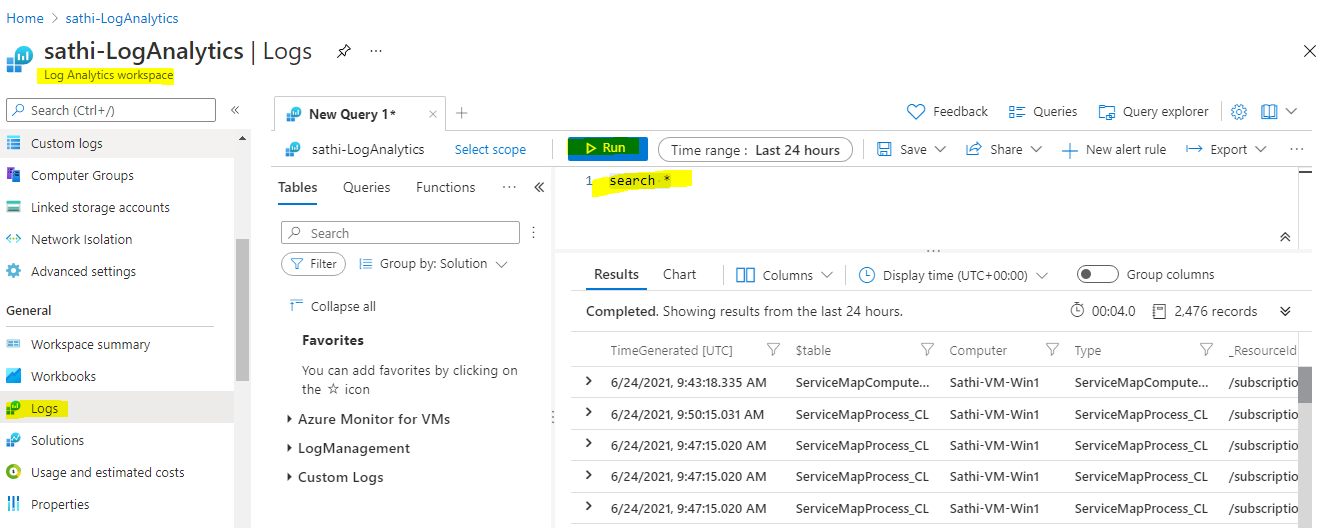
*Windows Events Logs Configuration :*

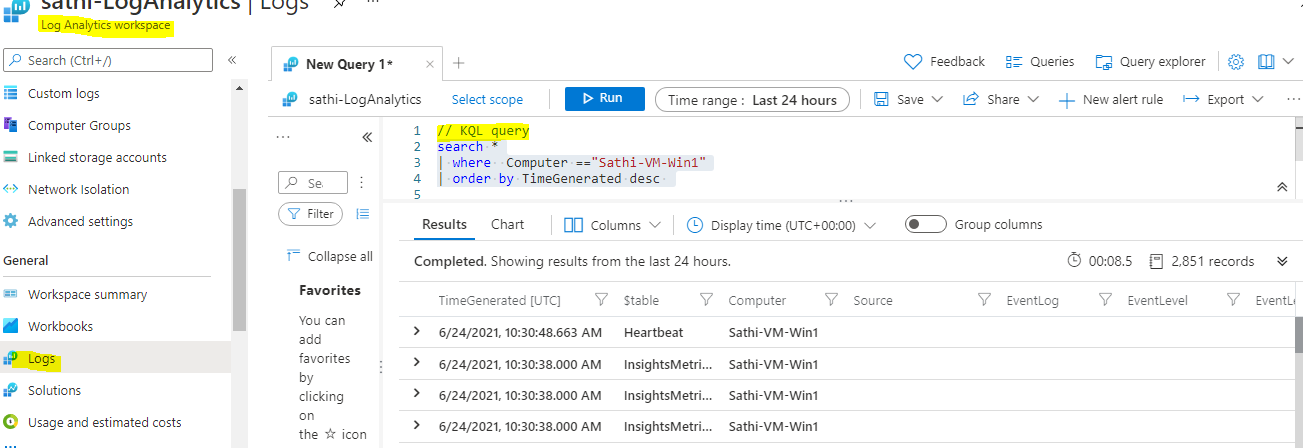


*Enabling Performance Counters :*



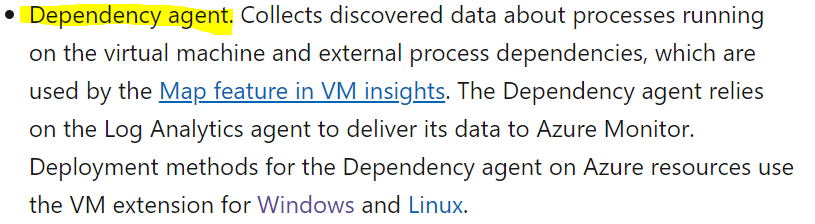
*Query the above applied/enabled logs using KQL*





# 3) Install Log Analytics agents on the virtual machine

Install the Dependency Agent on the VM following OS-specific instructions



*ARM template for dependency agent Microsoft.Azure.Monitoring.DependencyAgent deployment in VM machine -json template*

{

"$schema": "https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#",

"contentVersion": "1.0.0.0",

"parameters": {

"vmName": {

"type": "string",

"metadata": {

"description": "The name of existing Azure VM. Supported Windows Server versions: 2008 R2 and above (x64)."

}

}

},

"variables": {

"vmExtensionsApiVersion": "2017-03-30"

},

"resources": [

{

"type": "Microsoft.Compute/virtualMachines/extensions",

"name": "[concat(parameters('vmName'),'/DAExtension')]",

"apiVersion": "[variables('vmExtensionsApiVersion')]",

"location": "[resourceGroup().location]",

"dependsOn": [

],

"properties": {

"publisher": "Microsoft.Azure.Monitoring.DependencyAgent",

"type": "DependencyAgentWindows",

"typeHandlerVersion": "9.5",

"autoUpgradeMinorVersion": true

}

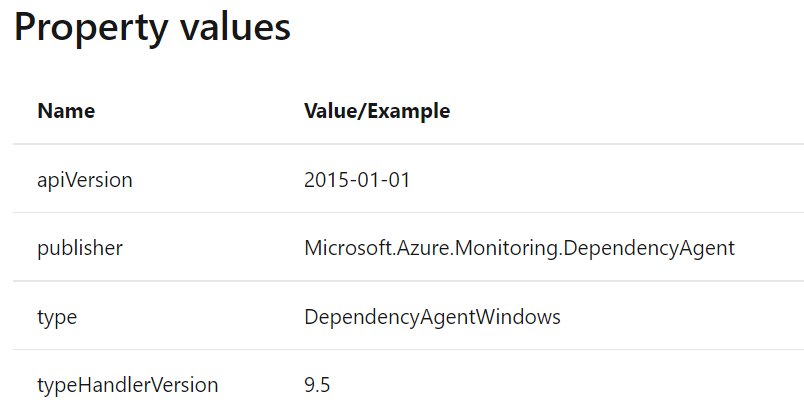
}

],

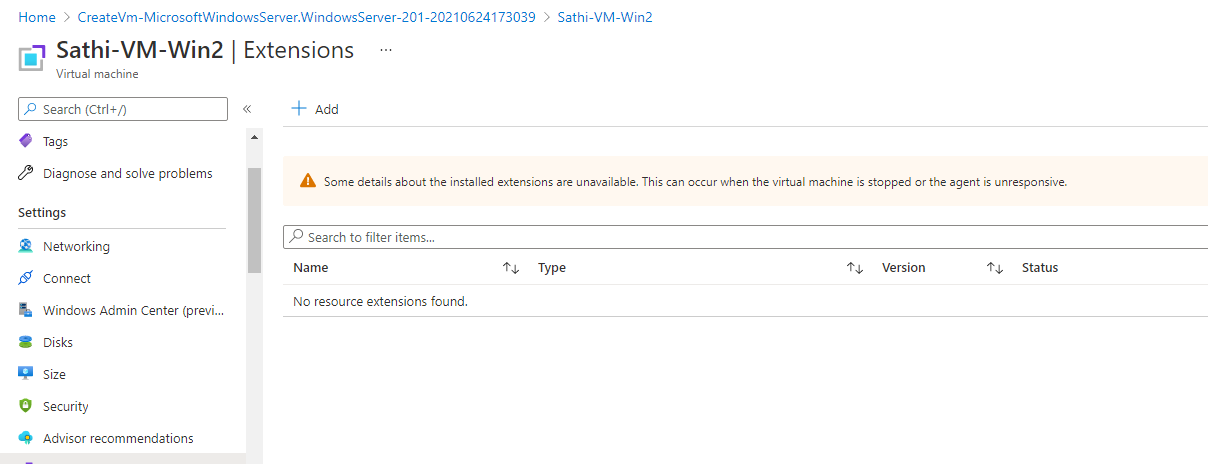
"outputs": {

}

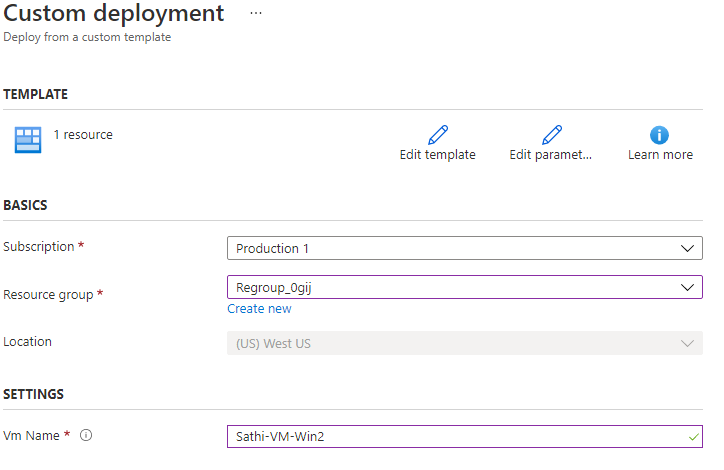
}

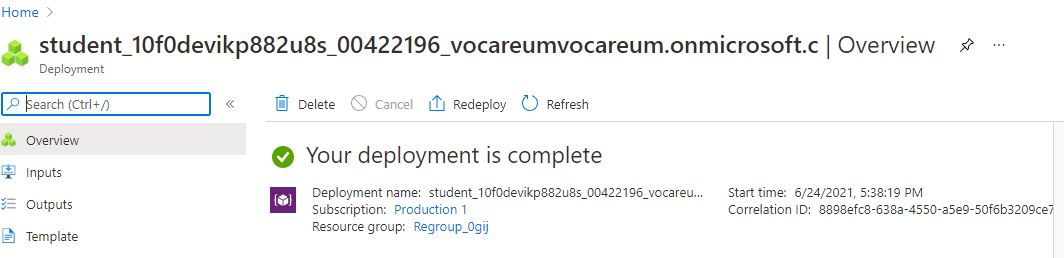


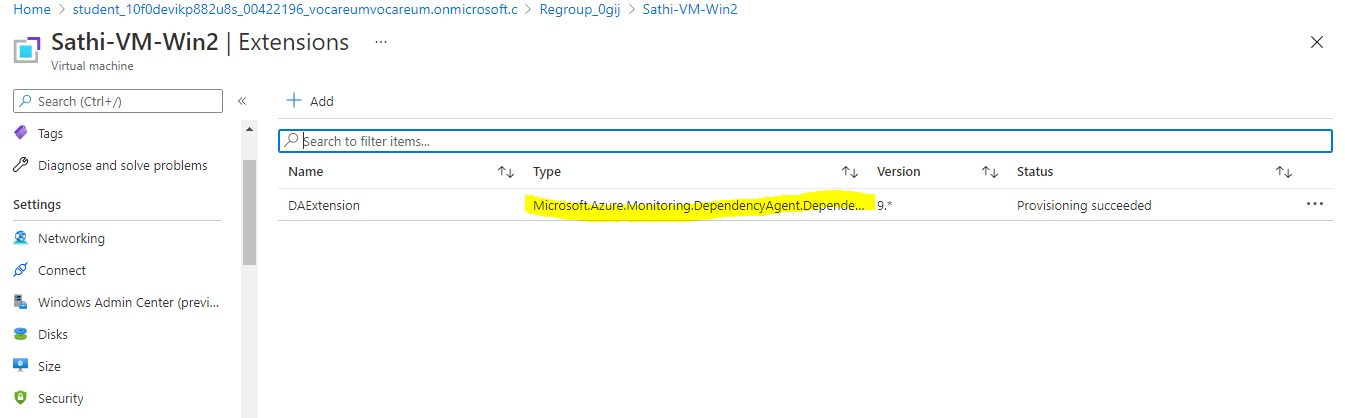
Create VM 2 , by deafult no extensions are deployed (vm==>Extensions)



Deploy the above ARM template

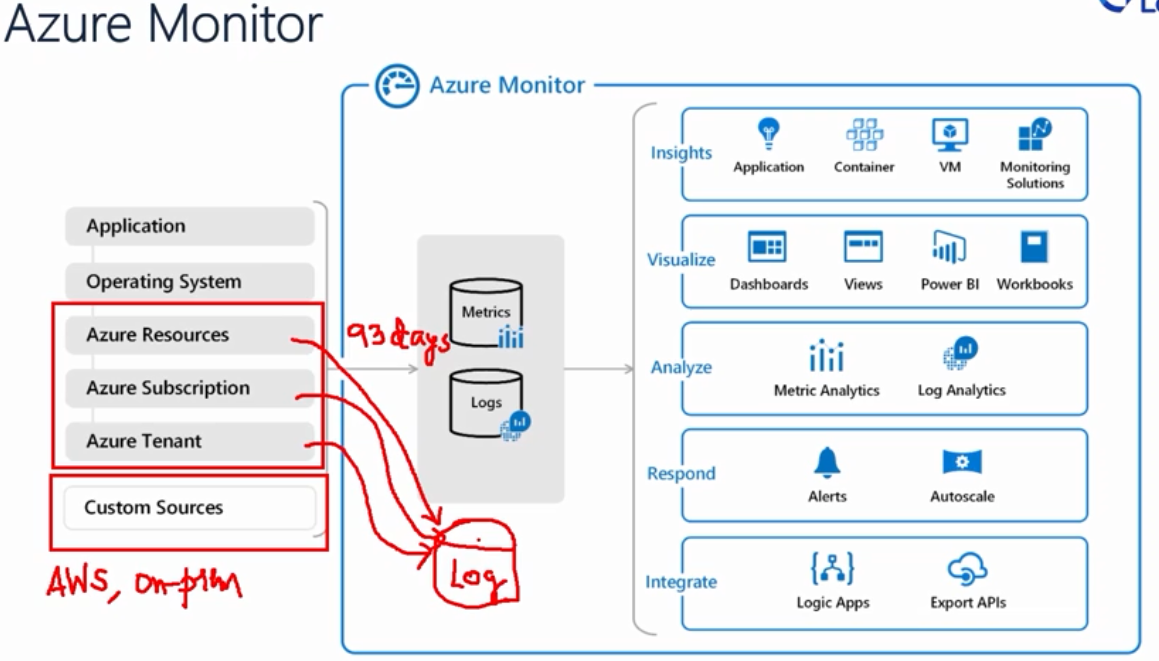


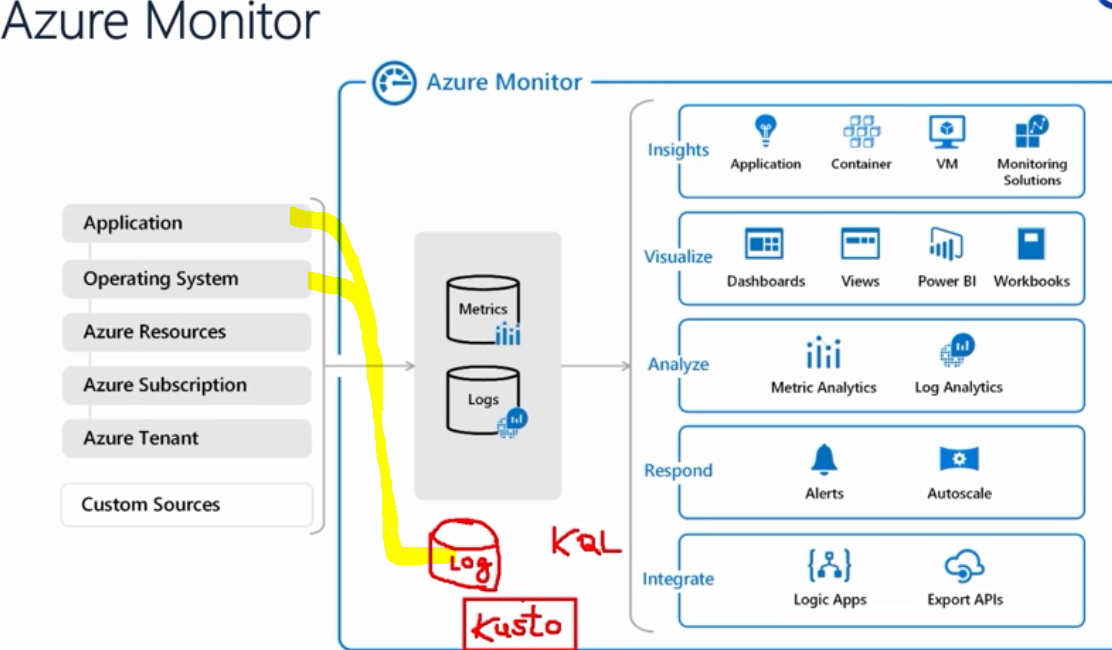


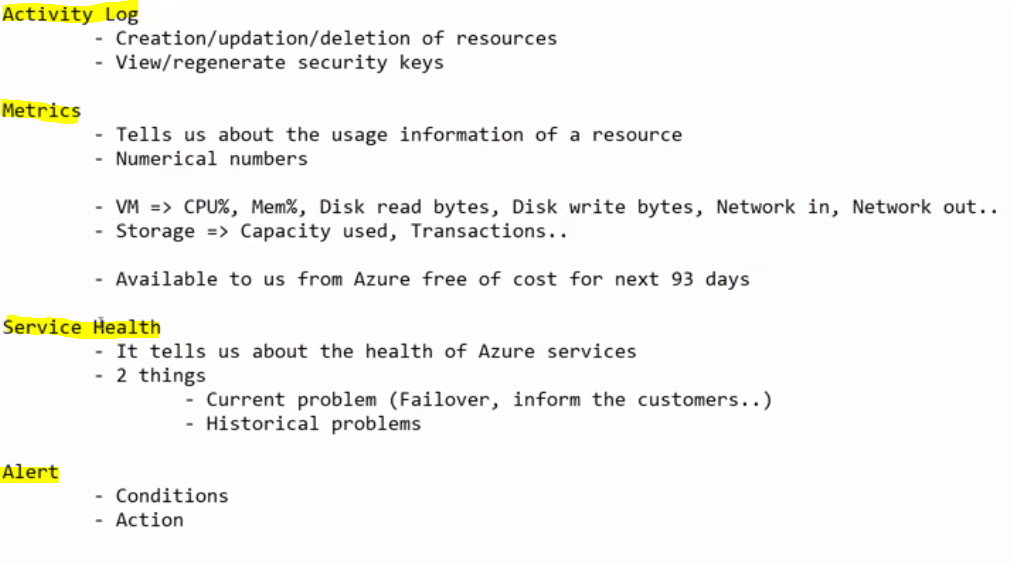


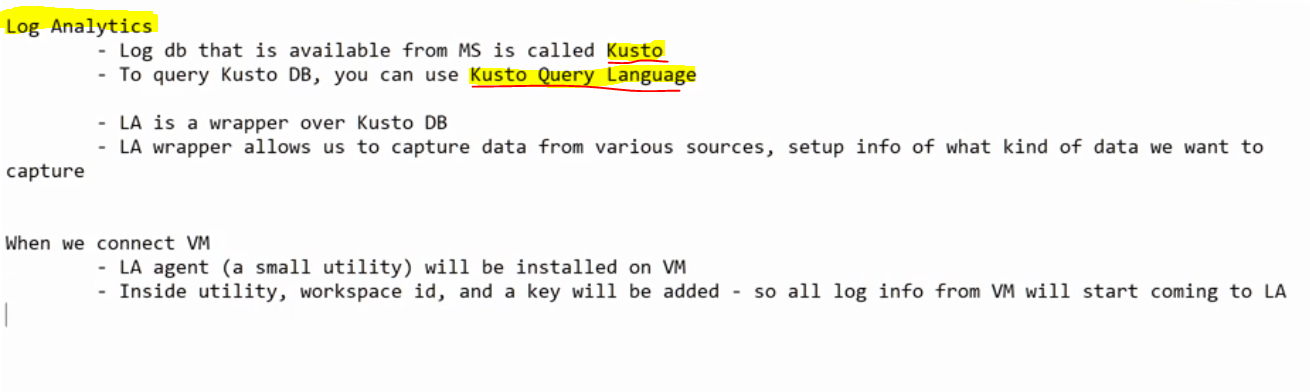
-----------------------------------Assignment END-----------------------------------------------------------------------------

# Additional Information:



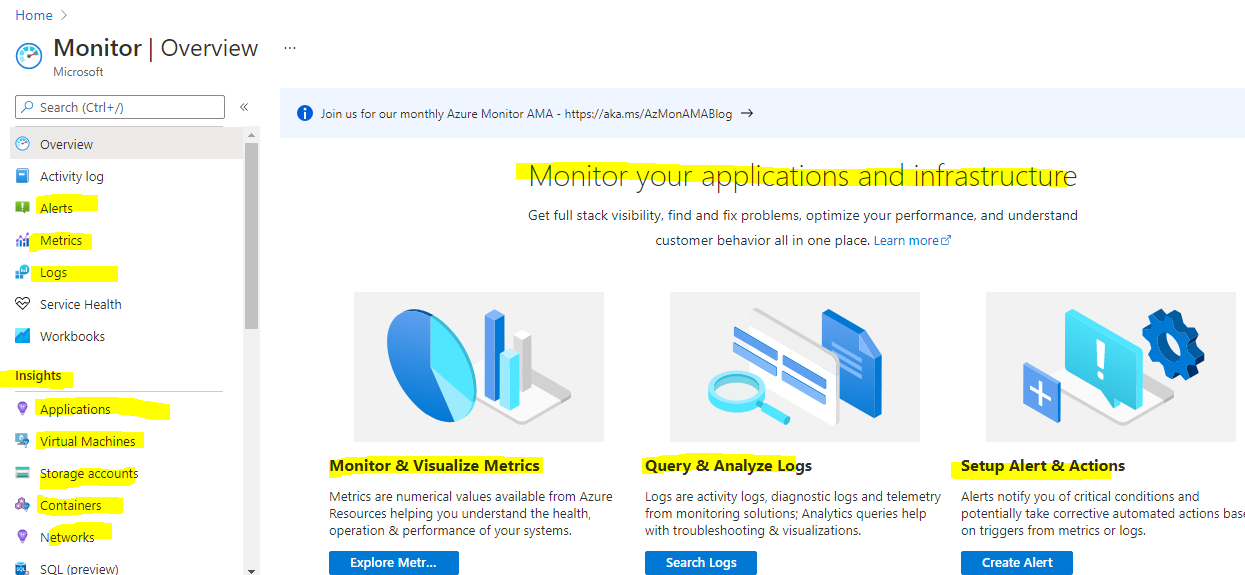








Monitor is free and available for around only 93 days history , Log Analytics needs to be used if we need to have data for more then 93 days



# Refrences :

<https://docs.microsoft.com/en-us/azure/azure-monitor/vm/vminsights-overview>

<https://docs.microsoft.com/en-us/azure/azure-monitor/logs/quick-create-workspace>