

# Exercise- Set up a Log Analytics workspace and Azure Monitor VM Insights

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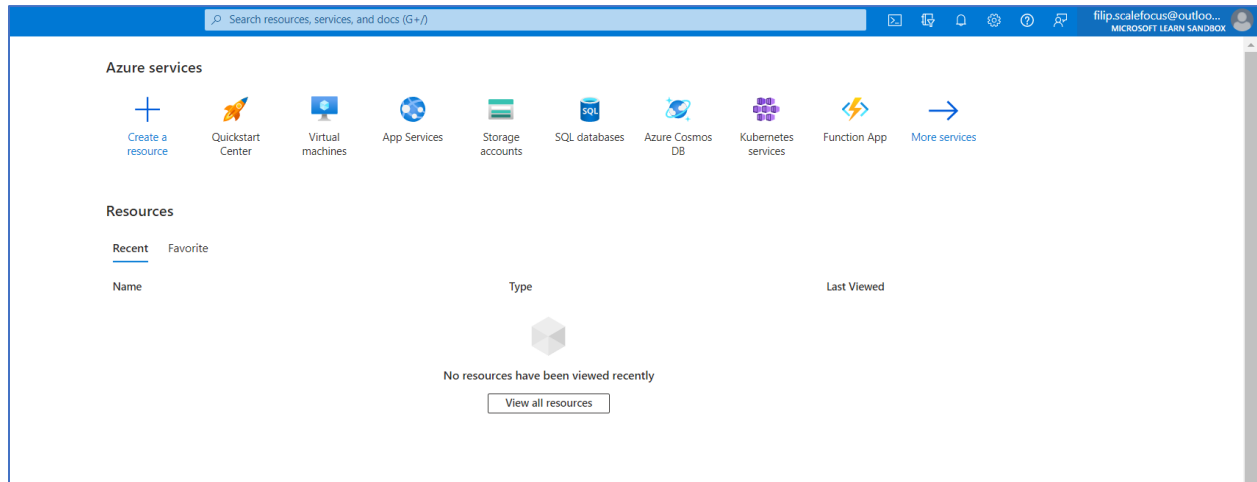
**This resource is not shared by Microsoft.**

Cancel

Accept

# Create and configure a Log Analytics workspace

## Microsoft Learn Sandbox



## Log Analytics Workspace

Select **Review + Create** > **Create**

Home > Log Analytics workspaces >

### Create Log Analytics workspace

Basics Tags Review + Create

**i** A Log Analytics workspace is the basic management unit of Azure Monitor Logs. There are specific considerations you should take when creating a new Log Analytics workspace. [Learn more](#)

With Azure Monitor Logs you can easily store, retain, and query data collected from your monitored resources in Azure and other environments for valuable insights. A Log Analytics workspace is the logical storage unit where your log data is collected and stored.

**Project details**  
Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \*

Resource group \*   
[Create new](#)

**Instance details**

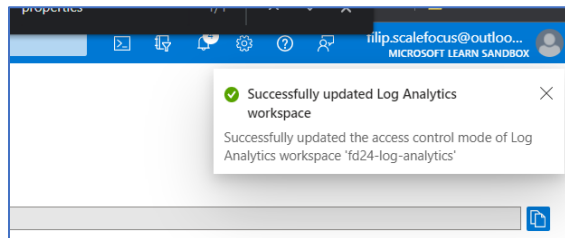
Name \*

Region \*

After the resource deploys, select **Go to resource**.

In the left menu, scroll down to **General** and select **Properties**.

Look for the access control mode, and select **Use resource or workspace permissions**. This setting changes the access mode to use the resource-context.



## Set up your environment

Run the following command in Azure Cloud Shell:

```
filip.scalefocus [ ~ ]$ az vm create \
--resource-group learn-6ccfc2c-89c7-41fb-9a4c-5b03a5f7a353 \
--location westus \
--name SampleVM1 \
--image Ubuntu1TS \
--admin-username azureuser \
--generate-ssh-keys \
--verbose
SSH key files '/home/filip.scalefocus/.ssh/id_rsa' and '/home/filip.scalefocus/.ssh/id_rsa.pub' have been generated under ~/.ssh to allow SSH access to the VM. If using machines without permanent storage, back up your keys to a safe location.
Ignite (November) 2023 onwards "az vm/vmss create" command will deploy Gen2-Trusted Launch VM by default. To know more about the default change and Trusted Launch, please visit https://aka.ms/TLad
It is recommended to use parameter "--public-ip-sku Standard" to create new VM with Standard public IP. Please note that the default public IP used for VM creation will be changed from Basic to Standard in the future.
Consider using the "Ubuntu2204" alias. On April 30, 2023, the image deployed by the "Ubuntu1TS" alias reaches its end of life. The "Ubuntu1TS" will be removed with the breaking change release of Fall 2023.
{
  "fqdns": "",
  "id": "/subscriptions/fec12bf7-44d5-422e-886d-6e4e1d535850/resourceGroups/learn-6ccfc2c-89c7-41fb-9a4c-5b03a5f7a353/providers/Microsoft.Compute/virtualMachines/SampleVM1",
  "location": "westus",
  "macAddress": "60-45-80-08-42-72",
  "powerState": "VM running",
  "privateIpAddress": "10.0.0.4",
  "publicIpAddress": "40.78.52.214",
  "resourceGroup": "learn-6ccfc2c-89c7-41fb-9a4c-5b03a5f7a353",
  "zones": ""
}
Command ran in 50.280 seconds (init: 0.116, invoke: 50.163)
filip.scalefocus [ ~ ]$
```

After SampleVM1 finishes, run the following command in Azure Cloud Shell:

```
filip.scalefocus [ ~ ]$ az vm create \
--resource-group learn-6ccfc2c-89c7-41fb-9a4c-5b03a5f7a353 \
--location westus \
--name SampleVM2 \
--image Ubuntu1TS \
--admin-username azureuser \
--generate-ssh-keys \
--verbose
Use existing SSH public key file: /home/filip.scalefocus/.ssh/id_rsa.pub
Ignite (November) 2023 onwards "az vm/vmss create" command will deploy Gen2-Trusted Launch VM by default. To know more about the default change and Trusted Launch, please visit https://aka.ms/TLad
It is recommended to use parameter "--public-ip-sku Standard" to create new VM with Standard public IP. Please note that the default public IP used for VM creation will be changed from Basic to Standard in the future.
Consider using the "Ubuntu2204" alias. On April 30, 2023, the image deployed by the "Ubuntu1TS" alias reaches its end of life. The "Ubuntu1TS" will be removed with the breaking change release of Fall 2023.
{
  "fqdns": "",
  "id": "/subscriptions/fec12bf7-44d5-422e-886d-6e4e1d535850/resourceGroups/learn-6ccfc2c-89c7-41fb-9a4c-5b03a5f7a353/providers/Microsoft.Compute/virtualMachines/SampleVM2",
  "location": "westus",
  "macAddress": "60-45-80-0A-02-39",
  "powerState": "VM running",
  "privateIpAddress": "10.0.0.5",
  "publicIpAddress": "40.78.83.180",
  "resourceGroup": "learn-6ccfc2c-89c7-41fb-9a4c-5b03a5f7a353",
  "zones": ""
}
Command ran in 48.381 seconds (init: 0.122, invoke: 48.259)
```

## Onboard virtual machines to Azure Monitor VM Insights

Select **SampleVM1**.

In the left menu under **Monitoring**, select **Insights > Enable**.

Select the radio button for **Log Analytics agent**, then select the Log Analytics

Workspace you created in the **Log Analytics workspaces** drop-down.

### Monitoring configuration

Virtual machine Insights now supports data collection using the Azure Monitor agent. Configuring using the Azure Monitor Agent is currently in preview mode.

Enable insights using

☐ Azure Monitor agent (Recommended)

☒ Log Analytics agent

Subscription \*

Concierge Subscription

Log Analytics workspaces

fd24-log-analytics

Repeat the same steps for SampleVM2.

### Notifications

More events in the activity log → Dismiss all

**Deployment succeeded**  
Deployment 'VMInsightsOnboardingDeployment-2023-05-09T14.57.25.891Z' to resource group 'learn-6cccf2c-89c7-41fb-9a4c-5b03a5f7a353' was successful.  
[Pin to dashboard](#) [Go to resource group](#)  
a few seconds ago

**Deployment succeeded**  
Deployment 'VMInsightsOnboardingDeployment-2023-05-09T14.56.03.884Z' to resource group 'learn-6cccf2c-89c7-41fb-9a4c-5b03a5f7a353' was successful.  
[Pin to dashboard](#) [Go to resource group](#)  
2 minutes ago

# SampleVM1 | Insights

Virtual machine

Search

Auto-shutdown

Backup

Disaster recovery

Updates

Inventory

Change tracking

Automanage

Configuration management (Preview)

Policies

Run command

## Monitoring

Insights

Alerts

Metrics

Diagnostic settings

Logs

Connection monitor (classic)

Workbooks

Resource Group Monitoring Azure Monitor Run Diagnostics Refresh Monitoring configuration Provide Feedback

The virtual machine is currently using Log Analytics agent. Azure Monitor Agent is now available. →

Get started Performance Map

Time range: Last hour as of 9 May 17:02

View Workbooks

### Logical Disk Performance

DISK	CURRENT SIZE (GB)	CURRENT USED (%)	P95 IOPS READ	P95 IOPS WRITE	P95 IOPS TOTAL	P95 MB/s READ	P95 MB/s WRITE	P95 MB/s TOTAL
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No Data

