


# Lab 11 - Implement Monitoring







- Job skills
- Task 1: Use a template to provision an infrastructure
- Task 2: Create an alert
- Task 3: Configure action group notifications
- Task 4: Trigger an alert and confirm it is working
- Task 5: Configure an alert processing rule
- Task 6: Use Azure Monitor log queries

## Task 1: Use a template to provision an infrastructure

Home >

**Microsoft.Template-20241023173307** | Overview  ...

Deployment


Search   Delete  Cancel  Redeploy  Download  Refresh

**Overview**

Inputs

Outputs

Template

 **Your deployment is complete**

Deployment name : Microsoft.Template-20241023173307  
Subscription : [P8-Real Hands-On Labs](#)  
Resource group : [1-ba0183bd-playground-sandbox](#)


Start time : 10/23/2024, 5:33:17 PM  
Correlation ID : ab048d45-ebf1-488f-9320-2f2af5cf4f43

> Deployment details


Next steps









[Go to resource group](#)





Give feedback






 Tell us about your experience with deployment



Provisioned an infrastructure by the template.









**Alert rules** ... 




 Create  Columns  Refresh  Export to CSV  Open query  Delete  Enable  Disable









Search  Subscription : **P8-Real Hands-On Labs** Target scope : **all** Target resource type : **all** Signal type : **all**  Add tag filter  More (2) No grouping 

Name 	Condition	Severity 	Target scope	Target resource type	Signal type 	Status 	
<input type="checkbox"/> VM was deleted	Category=Administrative, Op...	4 - Verbose	az104-vm0	Virtual machine	Activity log	 Enabled	...

**Action groups**  ... 

 Create  Columns  Refresh  Open query  Delete  Enable  Disable  Test action group

Search  Subscription : **P8-Real Hands-On Labs** Resource group : **all** Location : **all** Status : **Enabled**  Add tag filter No grouping 

Name 	Short name 	Resource group 	Subscription 	Actions	Status 	
<input type="checkbox"/> Alert the operations team	AlertOpsTeam	 1-ba0183bd-playground-sand...	 P8-Real Hands-On Labs	1 Email	 Enabled	...

Here I configured an alert rule and action group notification. I assigned email to get notification in case VM is deleted.

Task 4: Trigger an alert and confirm it is working

✓ Executed delete command on 1 selected items

Succeeded: 1, Failed: 0, Canceled: 0.

a few seconds ago

Here I'm deleting my VM and the screenshot above proves that the VM is completely deleted.

Microsoft Azure

Azure Monitor alert 'VM was deleted' was activated for 'az104-vm0' at October 23, 2024 14:43 UTC

You're receiving this notification as a member of the AlertOpsTeam action group because an Azure Monitor alert was activated.

Activity log alert	VM was deleted
Time	October 23, 2024 14:43 UTC
Category	Administrative
Operation name	microsoft.compute/virtualMachines/delete
Correlation ID	c4dae4f4-0d75-4277-b07b-56926cc9e229
Level	Informational
Resource ID	/subscriptions/9734ed68-621d-47ed-babd-269110dbacb1/resourceGroups/1-ba0183bd-playground-sandbox/providers/microsoft.compute/virtualMachines/az104-vm0
Caller	cloud_user_p_c358d241@realhandsonlabs.com
Properties	{\"statusCode\":\"Accepted\",\"serviceRequestId\":null,\"eventCategory\":\"Administrative\",\"entity\":\"/subscriptions/9734ed68-621d-47ed-babd-269110dbacb1/resourceGroups/1-ba0183bd-playground-sandbox/providers/microsoft.compute/virtualMachines/az104-vm0\",\"message\":\"microsoft.compute/virtualMachines/delete\",\"hierarchy\":\"84f1e4ea-8554-43e1-8709-f0b8589ea118/vadergen2labs/ProdSubscriptions/9734ed68-621d-47ed-babd-269110dbacb1\"}

View in Azure portal >

Investigate >

The email from Azure about deleted VM.

Total alerts

Critical

Error

Warning

Informational

Verbose

No grouping

Name ↑↓	Severity ↑↓	Affected resource ↑↓	Alert condition ↑↓	User response ↑↓	Fire time ↑↓	
<input type="checkbox"/> VM was deleted	4 - Verbose	az104-vm0	Fired	New	10/23/2024, 6:02 PM	...
<input type="checkbox"/> VM was deleted	4 - Verbose	az104-vm0	Fired	New	10/23/2024, 6:02 PM	...
<input type="checkbox"/> VM was deleted	4 - Verbose	az104-vm0	Fired	New	10/23/2024, 6:02 PM	...
<input type="checkbox"/> VM was deleted	4 - Verbose	az104-vm0	Fired	New	10/23/2024, 5:57 PM	...
<input type="checkbox"/> VM was deleted	4 - Verbose	az104-vm0	Fired	New	10/23/2024, 5:57 PM	...
<input type="checkbox"/> VM was deleted	4 - Verbose	az104-vm0	Fired	New	10/23/2024, 5:57 PM	...

# Task 5: Configure an alert processing rule

## Alert processing rules ...

+

Create

≡

Columns

↺

Refresh

🔗

Open query

|

🗑

Delete

▶

Enable

☐

Disable

🔍

Search

Subscription : 9734ed68-621d-47ed-babd-269110dbacb1

Resource group : all

Target scope : all

Status : Enabled

Rule type : all

+

🔗

Add tag filter

Just configured Alert Processing rule

# Task 6: Use Azure Monitor log queries