

Assignment: 02
Lab: 11
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ID: 2280137
Section: 7B

Task 1:

Loading the template file

The screenshot shows the 'Edit template' page in the Microsoft Azure portal. The page displays a JSON schema for a deployment template. The schema includes parameters for admin username, admin password, VM name prefix, pip name prefix, and nic name prefix. The user is logged in as ameerumar320@gmail.com.

```
{
  "$schema": "https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#",
  "contentVersion": "1.0.0.0",
  "parameters": {
    "adminUsername": {
      "type": "string",
      "metadata": {
        "description": "Admin username"
      }
    },
    "adminPassword": {
      "type": "securestring",
      "metadata": {
        "description": "Admin password"
      }
    },
    "vmNamePrefix": {
      "type": "string",
      "defaultValue": "az104-vm",
      "metadata": {
        "description": "VM name prefix"
      }
    },
    "pipNamePrefix": {
      "type": "string",
      "defaultValue": "az104-pip",
      "metadata": {
        "description": "Public IP address name prefix"
      }
    },
    "nicNamePrefix": {
      "type": "string",
      "defaultValue": "az104-nic",
      "metadata": {
        "description": "NIC name prefix"
      }
    }
  }
}
```

Creating template

The screenshot shows the 'Custom deployment' page in the Microsoft Azure portal. The page displays the 'Project details' section where the user can select a subscription, resource group, region, and instance details. The user is logged in as ameerumar320@gmail.com.

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 *

Instance details

Region *

Admin Username *

Admin Password *

Vm Name Prefix

Pip Name Prefix

Nic Name Prefix

Image Publisher

Image Offer

Verifying resources

Microsoft Azure

Search resources, services, and docs (G+V)

Copilot

amheerumar320@gmail...
DEFAULT DIRECTORY (AMHEERUMAR...)

Home >

az104-rg11
Resource group

How to manage changes with deployment tools? Help me generate Terraform for this resource group configuration. How to manage these changes more efficiently with deployment tools?

Search

Create Manage view Delete resource group Refresh Export to CSV Open query Assign tags Move Delete Export template Open in mobile Add to service group Group by none

Overview

Activity log Access control (IAM) Tags Resource visualizer Events Settings Cost Management Monitoring Automation Help

Essentials

Resources Recommendations

Filter for any field... Type equals all Location equals all Add filter

	Name 1	Type	Location
<input type="checkbox"/>	az104-nic0	Network Interface	East US
<input type="checkbox"/>	az104-nsg01	Network security group	East US
<input type="checkbox"/>	az104-pip0	Public IP address	East US
<input type="checkbox"/>	az104-vm0	Virtual machine	East US
<input type="checkbox"/>	az104-vm0_disk1_79c3b96025f2	Disk	East US
<input type="checkbox"/>	az104-vnet	Virtual network	East US
<input type="checkbox"/>	az10411dqmqm5xdhvoy	Storage account	East US

Showing 1 - 7 of 7. Display count: auto

Give feedback

Enabling VM insights

Microsoft Azure

Search resources, services, and docs (G+V)

Copilot

amheerumar320@gmail...
DEFAULT DIRECTORY (AMHEERUMAR...)

Home > Monitor | Virtual Machines >

Configure monitor | az104-vm0

Capabilities Review + enable

Infrastructure monitoring

Collect health and performance data from the operating system running on your virtual machine for improved troubleshooting, alerts, and visualizations.

Customize infrastructure monitoring

Enable detailed metrics

☒ [Preview] OpenTelemetry metrics See metrics At no additional cost
Azure Monitor workspace: (New) defaultazuremonitorworkspace-eus

☒ [Classic] Log-based metrics
Log Analytics workspace: workspaceaz104rg5a831

Next Review + enable

Give Feedback

Task 2:

Creating alert rule

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

ameerumar320@gmail...
DEFAULT DIRECTORY AMEERUMAR...

Home > Monitor | Alerts >

Create an alert rule

Scope

Condition

Actions

Details

Tags

Review + create

Create an alert rule to identify and address issues when important conditions are found in your monitoring data. [Learn more](#)

Scope level ⓘ
Subscription

+ Select scope

Resource
Azure subscription 1

Hierarchy

Review + create

Previous

Next: Condition >

Condition tab

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

ameerumar320@gmail...
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Home > Monitor | Alerts >

Create an alert rule

Scope

Condition

Actions

Details

Tags

Review + create

Configure when the alert rule should trigger by selecting a signal and defining its logic.

Signal name * ⓘ
Delete Virtual Machine (Virtual Machines)
[See all signals](#)

Chart period
Over the last 6 hours

No data available

activityLogHistorySeries
=

[View events in Azure Monitor - Activity Log](#)

Alert logic

Event Level ⓘ
All selected

Status ⓘ
All selected

Event initiated by ⓘ
* (All services and users)
[Add event initiator](#)

Condition review

Review + create

Previous

Next: Actions >

Task 3:

Create action group

Microsoft Azure

Search resources, services, and docs (G+/I)

Copilot

Home > Monitor | Alerts > Create an alert rule >

Create action group

Basics Notifications Actions Tags Review + create

An action group invokes a defined set of notifications and actions when an alert is triggered. [Learn more](#)

Project details

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription ⓘ

Azure subscription 1

Resource group ⓘ

act104-rg11

[Create new](#)

Region *

Global

Instance details

Action group name ⓘ

Alert the operations team

Display name ⓘ

AlertOpsTeam

The display name is limited to 12 characters

Review + create

Previous

Next: Notifications >

Notifications tab

Microsoft Azure

Search resources, services, and docs (G+/I)

Copilot

Home > Monitor | Alerts > Create an alert rule >

Create action group

Basics Notifications Actions Tags Review + create

Choose how to get notified when the action group is triggered. This step is optional.

Notification type ⓘ

Name ⓘ

Selected ⓘ

Email/SMS message...

VM was deleted

Email

Review + create

Previous

Next: Actions >

Review + create

Microsoft Azure

Search resources, services, and docs (G+I)

Copilot

ameerumar320@gmail...
DEFAULT DIRECTORY (AMEERUMAR...)

Home > Monitor | Alerts > Create an alert rule >

Create action group ...

Basics Notifications Actions Tags Review + create

This is a summary of your action group. Please review to ensure the information is correct and consider [Azure Monitoring Pricing](#) and the [Azure Privacy Statement](#).

Basics

Subscription

Azure subscription 1

Resource group

az104-rg11

Region

global

Action group name

Alert the operations team

Display name

AlertOpsTeam

Notifications

Notification type

Name

Selected

Email/SMS message/Push/Voice

VM was deleted

Email

Actions

None

Tags

None

Create

Previous

Details tab on alert rule

Microsoft Azure

Search resources, services, and docs (G+I)

Copilot

ameerumar320@gmail...
DEFAULT DIRECTORY (AMEERUMAR...)

Home > Monitor | Alerts >

Create an alert rule ...

Scope Condition Actions Details Tags Review + create

Project details

Select the subscription and resource group in which to save the alert rule.

Subscription

Azure subscription 1

Resource group

NetworkWatcherRG

Create new

Region

Global

Alert rule details

Alert rule name

VM was deleted

Alert rule description

A VM in your resource group was deleted

Advanced options

Review + create

Previous

Next: Tags >

Review + create

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

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Home > Monitor | Alerts >

Create an alert rule ...

Scope

Condition

Actions

Details

Tags

Review + create

Scope

Scope level

Resource

Subscription

Azure subscription 1

Condition

Condition preview

Whenever the Activity Log has an event with Category='Administrative', Signal name='Delete Virtual Machine (Virtual Machines)'

Actions

Action group name

Alert the operations team

Contain actions

1 Email

Details

Project details

Subscription

Resource group

Region

Azure subscription 1

NetworkWatcherRG

global

Alert rule details

Alert rule name

Alert rule description

Enable upon creation

VM was deleted

A VM in your resource group was deleted

☒

Create

Previous

Task 4:
Deleting the virtual machine

Copilot

ameerumar320@gmail...
DEFAULT DIRECTORY (AMEERUM...

Delete az104-vm0

X

This action will permanently delete the virtual machine and is irreversible even if delete operation fails.

Resource to be deleted

Resource type

az104-vm0

Virtual machine

☐ Apply force delete

You can also choose to delete associated resources at the same time. Resources that aren't deleted will be orphaned. Associated resources that are in use by other resources are not shown here.

Associated resource type

Quantity

Delete with VM

> OS disk

1

☐

> Network interfaces

1

☐

> Public IP addresses

1

☐

☒ I have read and understand that this virtual machine as well as any selected associated resources listed above will be deleted.

Delete

Cancel

Feedback

Task 5:

Creating alert processing rule

Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

ameerumar320@gmail...
DEFAULT DIRECTORY (AMEERUMAR...)

Home > Monitor | Alerts > Alert processing rules >

Create an alert processing rule

...

Scope

Rule settings

Scheduling

Details

Tags

Review + create

Rule type *

☒ Suppress notifications
The alert will still fire, but the action groups won't be invoked so you won't receive any notifications when it fires.

☐ Apply action group
An action group invokes a defined set of notifications and actions when an alert is triggered.

Review + create

Previous

Next: Scheduling >

Scheduling tab

Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

ameerumar320@gmail...
DEFAULT DIRECTORY (AMEERUMAR...)

Home > Monitor | Alerts > Alert processing rules >

Create an alert processing rule

...

Scope

Rule settings

Scheduling

Details

Tags

Review + create

Define when you'd like to apply this rule.

Apply the rule

☐ Always

☒ At a specific time

☐ Recurring

Start

14/01/2026

22:00

End

15/01/2026

07:00

Time zone

(UTC+05:00) Islamabad, Karachi

Preview

From 01/14/2026 at 10:00 PM to 01/15/2026 at 7:00 AM (UTC+05:00 Islamabad, Karachi)

Review + create

Previous

Next: Details >

Details tab

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

ameerumar320@gmail...
DEFAULT DIRECTORY (AMEERUMAR...)

Home > Monitor | Alerts > Alert processing rules >

Create an alert processing rule

Scope

Rule settings

Scheduling

Details

Tags

Review + create

Select the subscription and resource group in which to save the alert processing rule.

Project details

Subscription

Azure subscription 1

Resource group

az104-rg11

Create new

Alert processing rule details

Rule name

Planned Maintenance

Description

Suppress notifications during planned maintenance.

Enable rule upon creation

☒


Review + create

Previous

Next: Tags >

Microsoft

Sign out




ameerumar320@g...

ameerumar320@gmail.com

[My Microsoft account](#)

[Switch directory](#)

...



Sign in with a different account

Review + create

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

ameerumar320@gmail...
DEFAULT DIRECTORY (AMEERUMAR...)

Home > Monitor | Alerts > Alert processing rules >

Create an alert processing rule

Scope

Rule settings

Scheduling

Details


Tags

Review + create

Here's a summary of your alert processing rule.
When you review it, keep our [Privacy statement](#) in mind.

Scope

Resource

 Azure subscription 1

Rule settings

Rule type

Suppress notifications

Scheduling

Apply the rule

At a specific time

Schedule

From 01/14/2026 at 10:00 PM to 01/15/2026 at 7:00 AM (UTC+05:00 Islamabad, Karachi)

Details

Subscription

Azure subscription 1

Resource group

az104-rg11

Name

Planned Maintenance

Description

Suppress notifications during planned maintenance.

Enable rule upon creation

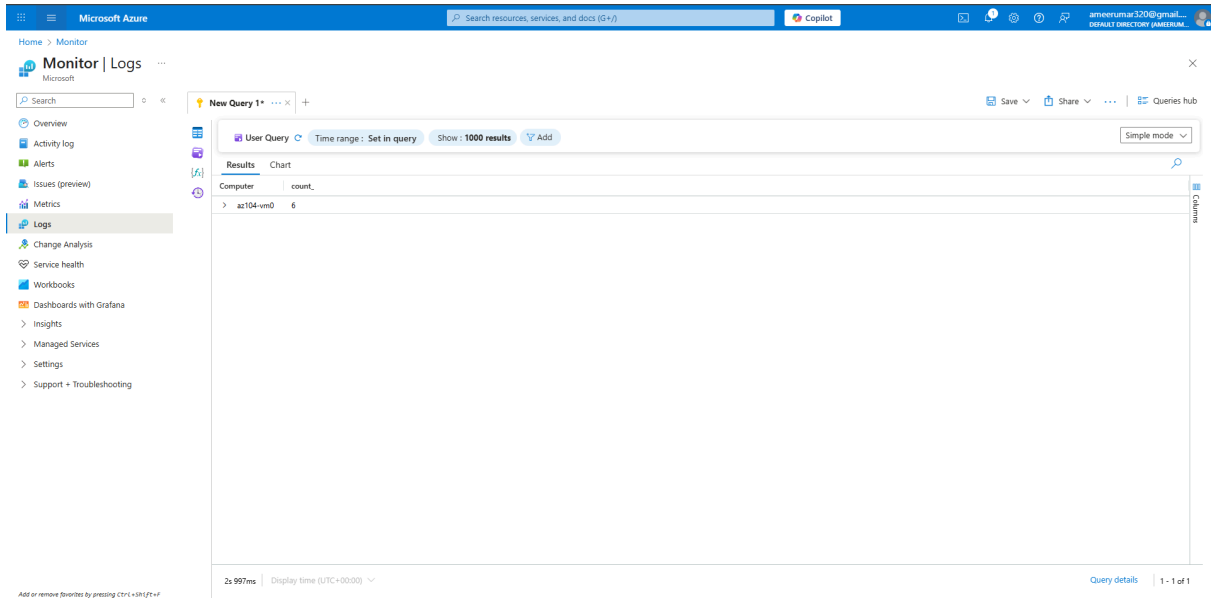
☒

Create

Previous

Task 6:

After running count heartbeat query



Ran the new query



