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Implementación de redes virtuales

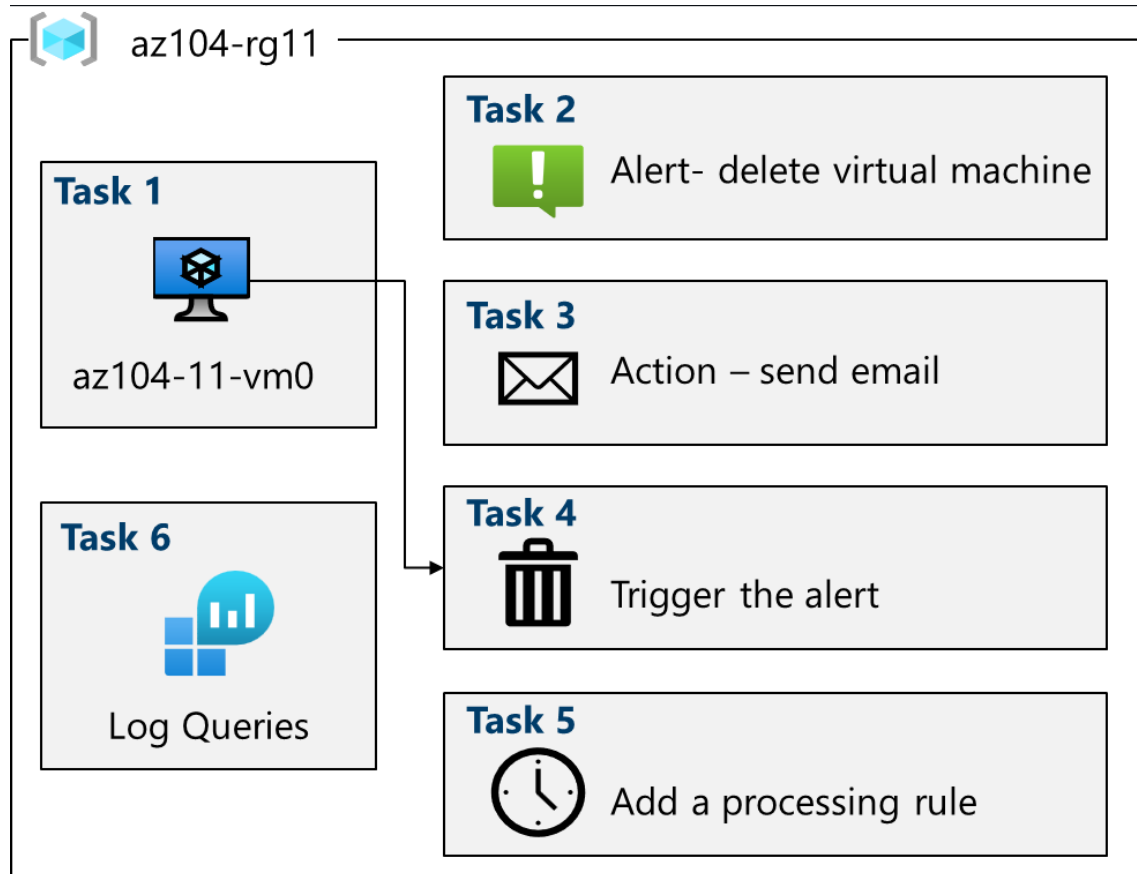
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Esquema del laboratorio



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Monitorización en Azure

Custom deployment

Deploy from a custom template

New! Deployment Stacks let you manage the lifecycle of your deployments. Try it now →

Select a template **Basics** Review + create

Template

Customized template 6 resources

Edit template Edit parameters Visualize

Project details

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

Subscription * Azure for Students

Resource group * az104-rg11

Create new

Instance details

Region * (Europe) Spain Central

Admin Username * localadmin

Admin Password *

Vm Name Prefix az104-vm

Pip Name Prefix az104-pip

Nic Name Prefix az104-nic

Image Publisher MicrosoftWindowsServer

Image Offer WindowsServer

Image SKU 2019-Datacenter

Vm Size Standard D2s v3

Previous Next Review + create

Despliegue una Vm desde la plantilla proporcionada.

Your deployment is complete

Deployment name : Microsoft.Template-20251215181023

Subscription : Azure for Students

Resource group : az104-rg11


Start time : 15/12/2025, 18:10:27

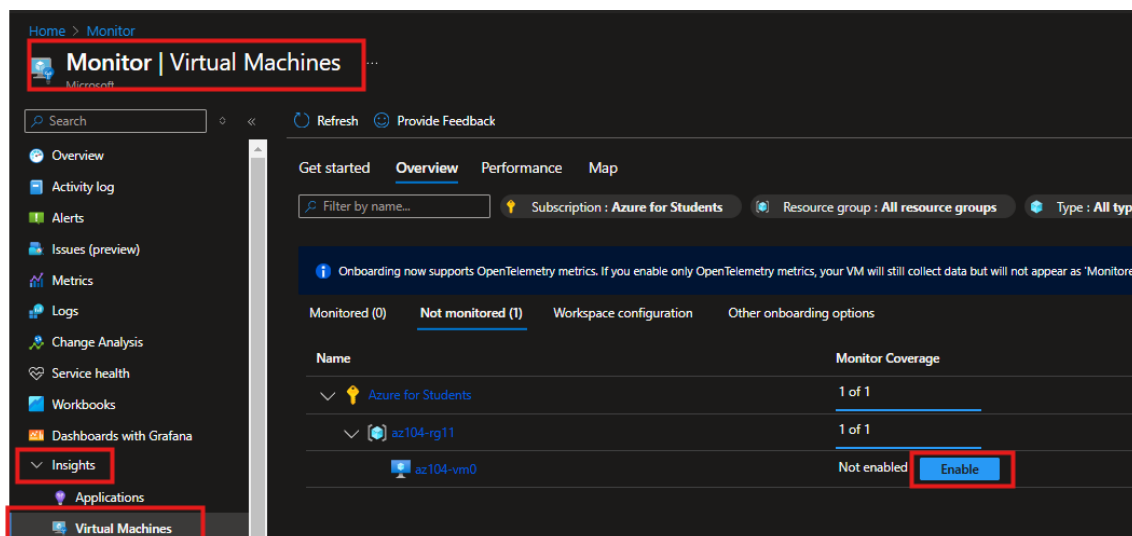
Correlation ID : 0d58fa78-1e56-43e7-9ef5-8ae90eeecfb3

Deployment details

Resource	Type	Status	Operation details
az104-vm0	Virtual machine	OK	Operation details
az104-nic0	Microsoft.Network/networkInter	OK	Operation details
az104116hkh6ewdn6g	Storage account	OK	Operation details
az104-pip0	Public IP address	OK	Operation details
az104-vnet	Virtual network	OK	Operation details
az104-rsg01	Network security group	OK	Operation details

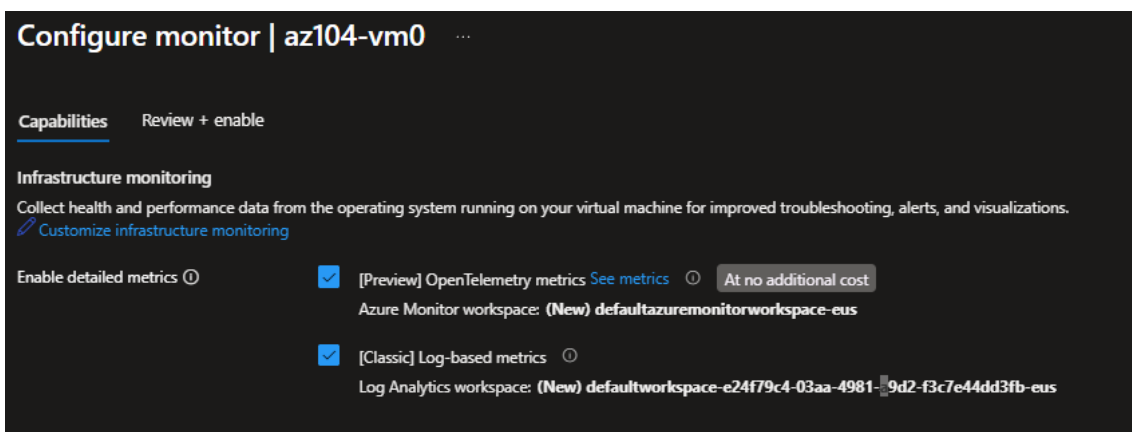
Recursos desplegados con la plantilla arm.

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Accedo a monitor – insights- virtual machines, donde pulso en enable.

Sirve para activar Azure Monitor Insights para esa máquina virtual específica.

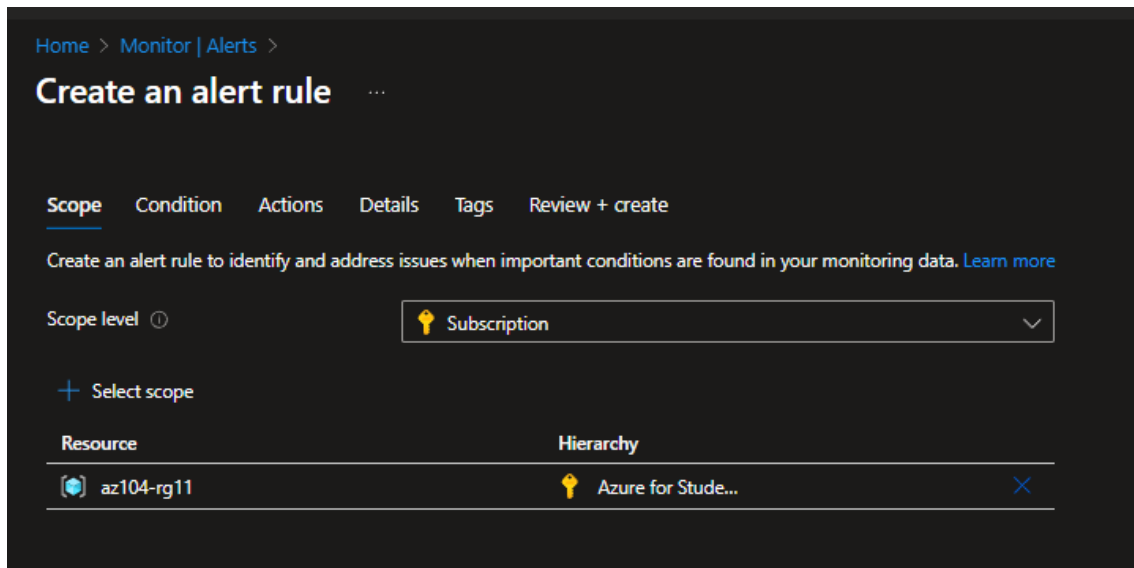


[Preview] OpenTelemetry metrics Un método de recopilación de datos más moderno que utiliza el estándar OpenTelemetry. Estos datos se envían a un Azure Monitor workspace. Se indica que no tiene costo adicional para la recopilación de los datos base.*


[Classic] Log-based metrics El método de recopilación de datos tradicional/clásico. Estos datos se envían a un Log Analytics workspace.

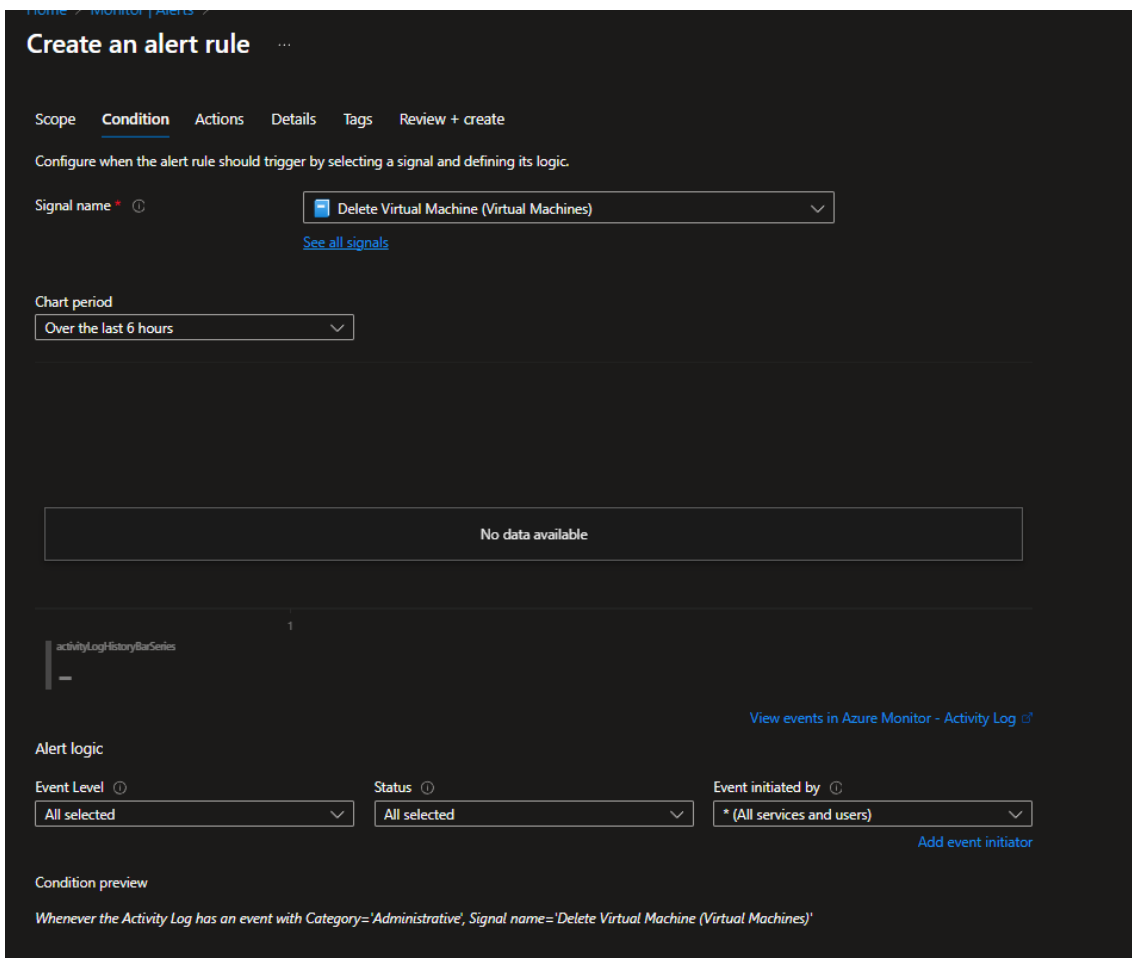
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Crear una alerta



Accedo a monitor – alerts donde creo una alerta para el grupo de recursos donde se encuentra la vm.

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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

activityLogHistoryBarSeries

[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 preview

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


Esta configuración tiene como objetivo crear una alerta que se dispare cuando se produzca un evento específico en tu entorno de Azure.

Delete Virtual Machine (Virtual Machines): El evento que disparará la alerta. Esta es una señal del Registro de Actividad (Activity Log) de Azure, lo que significa que la alerta se activará cada vez que un usuario o servicio intente eliminar una Máquina Virtual dentro del alcance definido.

Event LevelAll selected: La alerta se disparará independientemente del nivel de severidad del evento (por ejemplo, Informativo, Advertencia, Error, etc.).

StatusAll selected: La alerta se disparará independientemente del resultado del evento (por ejemplo, Éxito o Fallo).

Event initiated by: (All services and users) La alerta se disparará independientemente de quién haya iniciado la acción de eliminación (cualquier usuario, cualquier servicio de Azure, etc.).

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Grupo de acciones

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 [ⓘ]

Resource group ^{*} [ⓘ] [Create new](#)

Region ^{*}

Instance details

Action group name ^{*} [ⓘ] ✓

Display name ^{*} [ⓘ] ✓

The display name is limited to 12 characters

Creo el action group.

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 [ⓘ]

[Please configure the notification by clicking the edit button.](#)

☐ Email
Email [ⓘ] ✓

☐ SMS (Carrier charges may apply)
Country code Phone number


☐ Azure mobile app notification
Azure account email [ⓘ]

☐ Voice
Country code Phone number

Enable the common alert schema. [Learn more](#)

☐ Yes ☒ No

Creo la notificacion que me tiene que llegar a mi correo una vez se active la alerta.

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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 for Students

Resource group * ⓘ az104-rg11 [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

Termino de configurar la alerta.

You're now in the AlertOpsTeam action group Recibidos x

Resumir este correo

Microsoft Azure <azure-noreply@microsoft.com>
para mí ▾



You've been added to an Azure Monitor action group

You are now in the AlertOpsTeam action group and will receive notifications sent to the group.

[View details on Azure Monitor action groups >](#)


Account information

Subscription ID: E24F79C4-03AA-4981-A9D2-F3C7E44DD3F8

Resource group name: az104-rg11

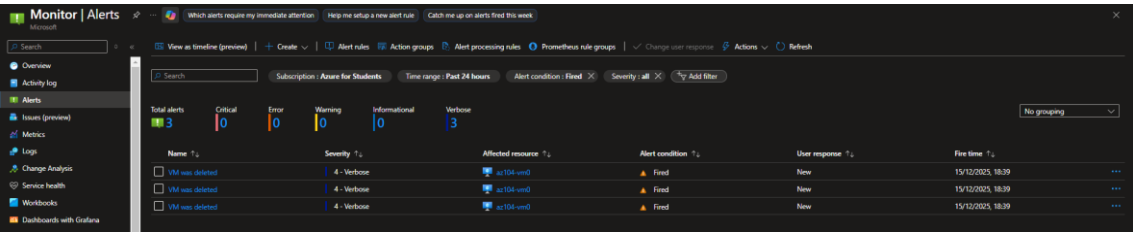
Action group name: Alert the operations team

Me llega este correo de aviso de que he sido añadido al grupo de acciones.

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Activar la alerta.

Borro la maquina virtual.




Salta la alerta en azure monitor.

Azure Monitor alert 'VM was deleted' was activated for 'az104-vm0' at December 15, 2025 17:35 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	December 15, 2025 17:35 UTC
Category	Administrative
Operation name	Microsoft.Compute/virtualMachines/delete
Correlation ID	c6aeceba-731a-4e13-be31-e06410fd87e4
Level	Informational
Resource ID	/subscriptions/e24f79c4-03aa-4981-a9d2-f3c7e44dd3fb/resourceGroups/az104-rg11/providers/Microsoft.Compute/virtualMachines/az104-vm0
Caller	raul.casado@tajamar365.com
Properties	<pre>{ "eventCategory": "Administrative", "entity": "/subscriptions/e24f79c4-03aa-4981-a9d2-f3c7e44dd3fb/resourceGroups/az104-rg11/providers/Microsoft.Compute/virtualMachines/az104-vm0" }</pre>

Me llega este correo.

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Alert processing rule

Create an alert processing rule ...



[Scope](#)
[Rule settings](#)
[Scheduling](#)
[Details](#)
[Tags](#)
[Review + create](#)

Use alert processing rules to decide what happens when an alert is triggered, like suppressing notifications or applying specific actions to certain types of alerts. [Learn more](#)

Scope

This rule will apply to alerts that are triggered on the resources you select.


[+ Select scope](#)

Resource	Hierarchy
 Azure for Students	

Filter

Filters	Operator	Value
<input type="text"/>		

Selecctiono mi suscripción.

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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.

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 15/12/2025 22:00

End 16/12/2025 7:00

Time zone (UTC+01:00) Brussels, Copenhagen, Madrid, Paris

Preview From 15/12/2025 at 10:00 p. m. to 16/12/2025 at 7:00 a. m. (UTC+01:00 Brussels, Copenhagen, Madrid, Paris)

Durante estas horas no van a llegar notificaciones a mi correo sobre mantenimiento ni nada entre las 10 de hoy y las 7 de mañana.

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 for Students

Resource group * az104-rg11 [Create new](#)


Alert processing rule details

Rule name * Planned Maintenance

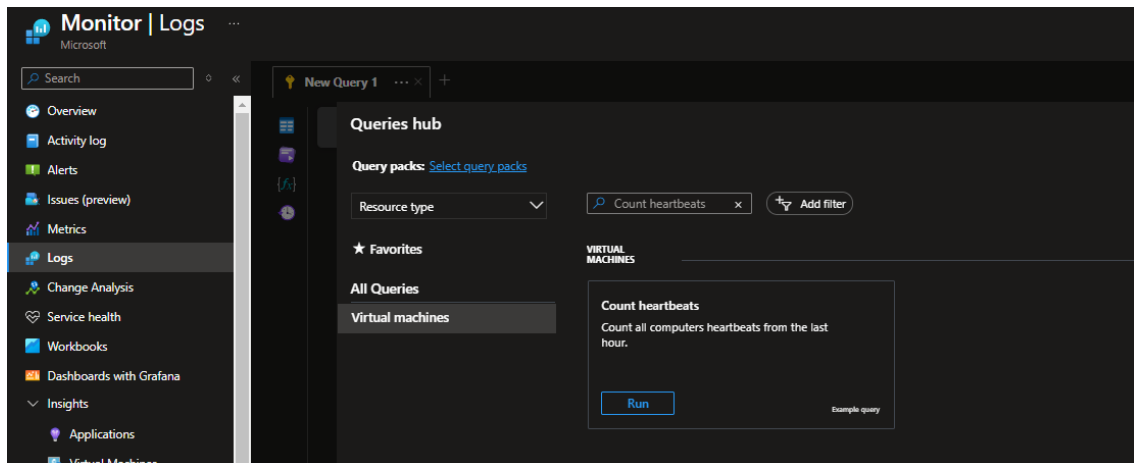
Description Suppress notifications during planned maintenance.

Enable rule upon creation ☒

Doy nombre a la alerta y una descripción de lo que hace.

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Azure Monitor log queries.



Aquí puedes hacer consultas sobre los logs utilizando KQL.