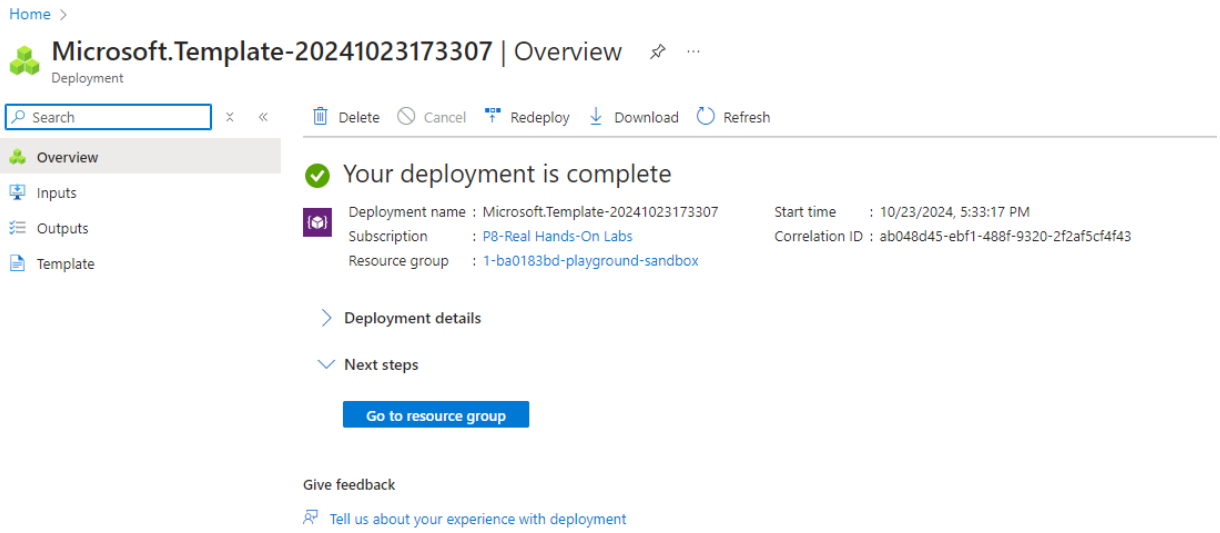
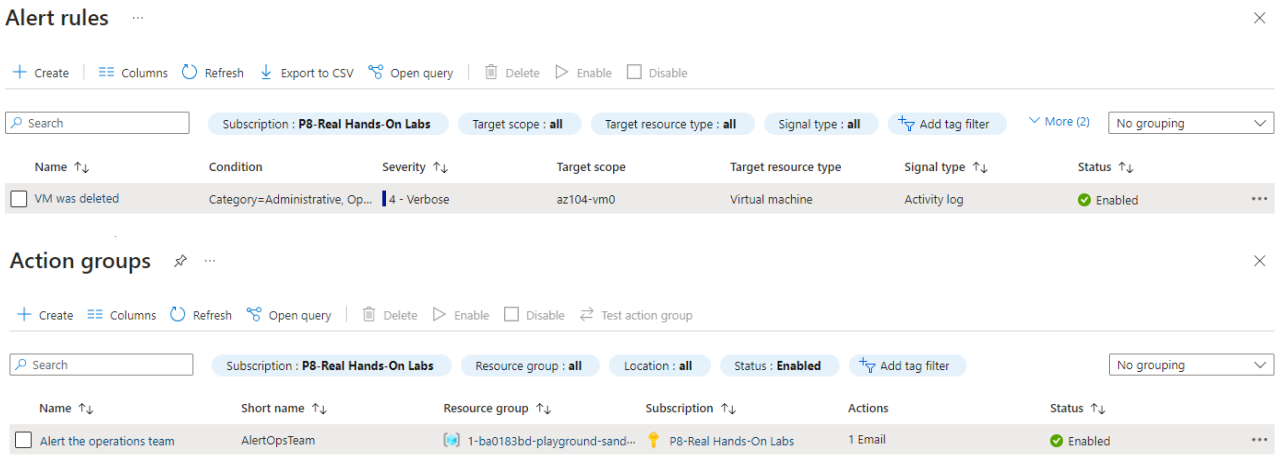
Lab 11 - Implement Monitoring

- 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

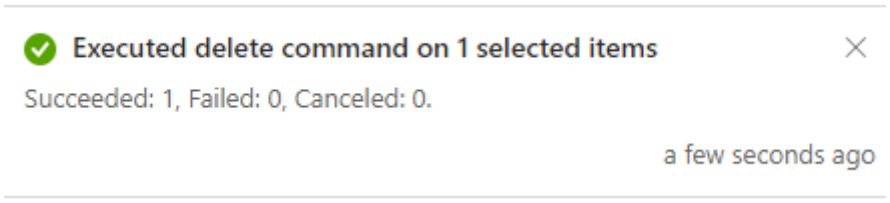


Provisioned an infrastructure by the template.



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



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

Microsoft Azure

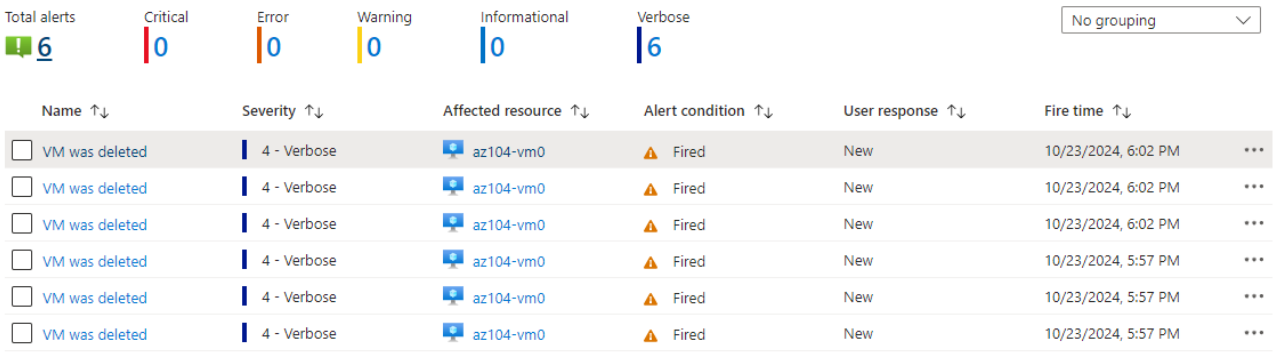
Azure Monitor alert 'VM was deleted' was activated for 'az104-vm0' at October 23, 2024 14:43 UTC

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 >

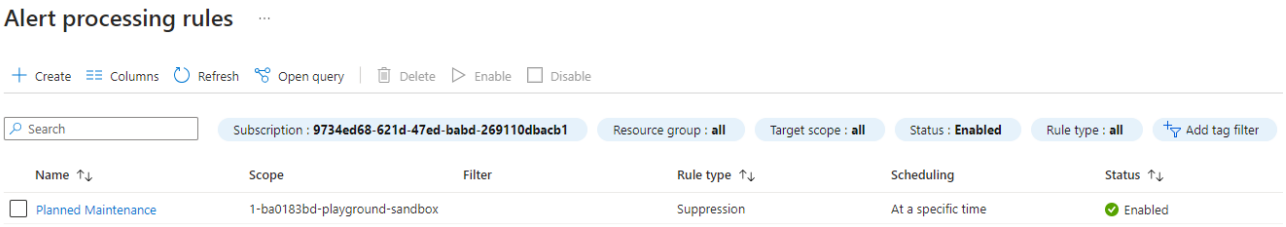
The email from Azure about deleted VM.



Total alerts 6 | Critical 0 | Error 0 | Warning 0 | Informational 0 | Verbose 6 | No grouping

Name	Severity	Affected resource	Alert condition	User response	Fire time
VM was deleted	4 - Verbose	az104-vm0	Fired	New	10/23/2024, 6:02 PM
VM was deleted	4 - Verbose	az104-vm0	Fired	New	10/23/2024, 6:02 PM
VM was deleted	4 - Verbose	az104-vm0	Fired	New	10/23/2024, 6:02 PM
VM was deleted	4 - Verbose	az104-vm0	Fired	New	10/23/2024, 5:57 PM
VM was deleted	4 - Verbose	az104-vm0	Fired	New	10/23/2024, 5:57 PM
VM was deleted	4 - Verbose	az104-vm0	Fired	New	10/23/2024, 5:57 PM

Task 5: Configure an alert processing rule



Just configured Alert Processing rule

Task 6: Use Azure Monitor log queries