Cloud Functions | ← Edit function

1 **Configuration** — 2 Code

✓ **function-test-atharva** [1st gen]
asia-south1

Trigger

⚵ **Cloud Pub/Sub**

Topic
projects/rosy-hope-350607/topics/abc
Retry on failure
Function won't be automatically retried on failure

EDIT

Runtime, build, connections and security settings   ⌄

NEXT   CANCEL

✓ **function-test-atharva** [1st gen]   Version
Version 3, deployed at 23 Jan 2024, 14:27:12 ... ▾

METRICS   **DETAILS**   SOURCE   VARIABLES   TRIGGER   PERMISSIONS   LOGS   TESTING

General information

Last deployed	23 January 2024 at 14:27:12 GMT+5
Region	asia-south1
Memory allocated	256 MB
Timeout	60 seconds
Minimum instances	0
Maximum instances	32
Service account	rosy-hope-350607@appspot.gserviceaccount.com
Build worker pools	—
Container build log	abbffbc8-629f-4a66-bc4b-3192059dac31

Networking settings

Ingress settings	Allow all traffic
VPC connector	—
VPC connector egress routing	—

EQUIVALENT REST

Cloud Functions   ← Function details   ✏ EDIT   🗑 DELETE   📋 COPY

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Version 3, deployed at 23 Jan 2024, 14:27:12 ... ▼

| METRICS | DETAILS | SOURCE | VARIABLES | TRIGGER | PERMISSIONS | LOGS | TESTING |

Runtime : Python 3.10   **Entry point** : restart_vm   [EDIT]

📄 main.py
📄 requirements.txt

```python
import os
import json
from google.cloud import compute_v1
import base64
from icecream import ic

def stop_vm(vm_name,zone,project_id):
    compute_client = compute_v1.InstancesClient()
    instance = compute_client.get(project=project_id, zone=zone, instance=vm_name)
    ic(instance.status)
    if str(instance.status) == "RUNNING":
        ic("Stopping VM")
        operation = compute_client.stop(project=project_id, zone=zone, instance=vm_name)
        ic(operation.result())
        return operation
    else:
        ic("VM is not running")
        return False

def start_vm(vm_name,zone,project_id):
    compute_client = compute_v1.InstancesClient()
    instance = compute_client.get(project=project_id, zone=zone, instance=vm_name)
    ic(instance.status)
    if str(instance.status) == "TERMINATED":
        ic("Starting VM")
        operation = compute_client.start(project=project_id, zone=zone, instance=vm_name)
        ic(operation.result())
        return operation
    else:
        ic("VM is not TERMINATED")
        return False

def restart_vm(event,context):
    print("Event ID: {}".format(context.event_id))
    # print("event : {}".format(event))
    pubsub_message = base64.b64decode(event['data']).decode('utf-8')
    incident_json = json.loads(pubsub_message)
    incident= incident_json['incident']
    resource_lables = incident['resource']['labels']
    instance_id = resource_lables['instance_id']
    project_id = resource_lables['project_id']
    zone = resource_lables['zone']
    ic(instance_id)
    ic(project_id)
    ic(zone)
    stop_vm(instance_id,zone,project_id)
    start_vm(instance_id,zone,project_id)
    return {
        "success": True), 200
```

Runtime environment variables
None

Build environment variables
None

Secrets
None

| METRICS | DETAILS | SOURCE | VARIABLES | TRIGGER | PERMISSIONS | LOGS | TESTING |

⁕ Cloud Pub/Sub

Topic

projects/rosy-hope-350607/topics/abc

Retry on failure

Function won't be automatically retried on failure

{...} Cloud Functions   ←   Function details   ✏ EDIT   🗑 DELETE   ⧉ COPY   🎓 LEARN

✓ **function-test-atharva** `1st gen`   **Version**   Version 3, deployed at 23 Jan 2024, 14:27:12 ... ▾

| METRICS | DETAILS | SOURCE | VARIABLES | TRIGGER | PERMISSIONS | LOGS | TESTING |

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Pub Sub :