

Start & Stop VM via RestAPI

Last updated by | shakibesaib | Sep 29, 2023 at 3:00 PM GMT+6

We can use the GCP Compute Engine API to start and stop VMs programmatically. You'll need to make HTTP requests.

To Start:

Get a access token: `gcloud auth print-access-token`

Access token is valid for 3600 seconds.

```
**curl -X POST -H "Authorization: Bearer YOUR_ACCESS_TOKEN"
https://compute.googleapis.com/compute/v1/projects/PROJECT_ID/zones/ZONE/instances/INSTANCE_NAME/start
**

curl -X POST -H "Authorization: Bearer
ya29.a0AfB_byDamKW1xjptYuyE3zA1tn_9ttoceW44c0Etz4iUci5ohkn3MnPJhTQHJFYeBBu9GKfSJgwTeJJAIHDA4sQxHBYTA0e
DfIrJKAPtBydwJNYXg22n8B0X0io4bC5wo9uM0dDc6nznngx3vCF7vNN5egA_NtCryepLHW6xB00aUjyTUu03YmABg3I6CJqbsfE2Jy
Tw_3z00J4QZ9KijH-
JZtVBagW_AEbrPidNEXnqcJGJcJv11LdQAFh9N7F6WyyLbRNYsrgBotUAjPRIF4HsYYxmYx0kIc3HbI06qeZyTFgNqITUWSrq-ZU-
CI1jBKNAyHpNuShYLOzDi9xfAIrc7sfX_-
DepA8RCeibHxyiPmwJYULCRLt44qJoxggfHDzBxLyZs0ivIWPSPELkEMuYCWs1nABPbND_KaCgYKASsSARASFQHsvYlsg-
nIBlkH4HYtCb7mZMrgCW0427" https://compute.googleapis.com/compute/v1/projects/devopslearning-
396112/zones/asia-south1-c/instances/test-vm/start
```

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Status	Name	Zone	Recommendations	In use by	Internal IP	External IP	Connect
<input checked="" type="checkbox"/>	test-vm	asia-south1-			10.160.0.6 (nic0)	34.93.89.11 (nic0)	SSH

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```
{
  "kind": "compute#operation",
  "id": "8813191002376018883",
  "name": "operation-1692869931696-603a7feee01b4-e293f8e8-2dedaa62",
  "zone": "https://www.googleapis.com/compute/v1/projects/devopslearning-396112/zones/asia-south1-c",
  "operationType": "start",
  "targetLink": "https://www.googleapis.com/compute/v1/projects/devopslearning-396112/zones/asia-south1-c/instances/test-vm",
  "targetId": "9002745462679842561",
  "status": "RUNNING",
  "user": "shakibesaib@gmail.com",
  "progress": 0,
  "insertTime": "2023-08-24T02:38:52.705-07:00",
  "startTime": "2023-08-24T02:38:52.779-07:00",
  "selfLink": "https://www.googleapis.com/compute/v1/projects/devopslearning-396112/zones/asia-south1-c/operations/operation-1692869931696-603a7feee01b4-e293f8e8-2dedaa62"
}
```

To Stop:

```
curl -X POST -H "Authorization: Bearer
ya29.a0AfB_byDamKW1xjptYuyE3zA1tn_9ttoceW44c0Etz4iUci5ohkn3MnPJhTQHJFYeBBu9GKfSJgwTeJJAIHDA4sQxHBYTA0e
DfIrJKAPtBydwJNYXg22n8B0X0io4bC5wo9uM0dDc6nznngx3vCF7vNN5egA_NtCryepLHW6xB00aUjyTUu03YmABg3I6CJqbsfE2Jy
Tw_3z00J4QZ9KijH-
JZtVBagW_AEbrPidNEXnqcJGJcJv11LdQAFh9N7F6WyyLbRNYsrgBotUAjPRIF4HsYYxmYx0kIc3HbI06qeZyTFgNqITUWSrq-ZU-
CI1jBKNAyHpNuShYLOzDi9xfAIrc7sfX_-
DepA8RCeibHxyiPmwJYULCRLt44qJoxggfHDzBxLyZs0ivIWPSPELkEMuYCWs1nABPbND_KaCgYKASsSARASFQHsvYlsg-
nIBlkH4HYtCb7mZMrgCW0427" https://compute.googleapis.com/compute/v1/projects/devopslearning-
396112/zones/asia-south1-c/instances/test-vm/stop
```

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In use by

Internal IP

External IP

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test-vm

asia-south1-c

10.160.0.6 (nic0)

SSH

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Terminal

(devopslearning-396112)

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```
}
shakibesaib@cloudshell:~ (devopslearning-396112)$ curl -X POST -H "Authorization: Bearer ya29.a0AFB_byDamKW1xjptYuyE3zA1tn_9ttoceW44c0Etz4iUc15ohkn3MnPJhTQHJFYeBBu9GKfSJg
wTeJJAIHDA4sQxHBYTA0eDfIrJKAPtBydwJNYXg22n8B0X0io4bC5wo9uM0dC6nznngx3vCF7vNN5egA_NtCryep1HW6xB0oaUjyTUu03YmABg3I6CJqbsfE2JyTw_3z00J4QZ9KiJH-JZtVBagW_AEbrPidNEXnqcJGJcJv11
LdQAfh9N7F6WyyLbRNYsrgBotUAjPRIF4HsYYxmYx0kIc3HbI06qeZyTFgNqITUWSrq-ZU-CI1jBKnAyHpNuShYL0zD19xfAIrc7sfX_-DepA8RceibHxy1PmwJYuLCRLt44qJoxggfHDzBxLyZs0ivIWPSPELkEMuYcW51nAB
PbND_KaCgYKASsSARASFQhsvYlsg-nIBlkH4HYtCb7mZMrgCw0427" https://compute.googleapis.com/compute/v1/projects/devopslearning-396112/zones/asia-south1-c/instances/test-vm/stop

{
  "kind": "compute#operation",
  "id": "4995544342766197542",
  "name": "operation-1692870089158-603a80850b082-55becb9f-a4b0407e",
  "zone": "https://www.googleapis.com/compute/v1/projects/devopslearning-396112/zones/asia-south1-c",
  "operationType": "stop",
  "targetLink": "https://www.googleapis.com/compute/v1/projects/devopslearning-396112/zones/asia-south1-c/instances/test-vm",
  "targetId": "9002745462679842561",
}
```

https://cloud.google.com/compute/docs/instances/stop-start-instance#api_2

https://dev.azure.com/fronturetech/Fronture ERP_wiki/wikis/Fronture-ERP.wiki/240/Start-Stop-VM-via-RestAPI

2/2