

Tech Note on Failed Deployment with Error "Quota CPU's exceeded. Limit: 8.0"

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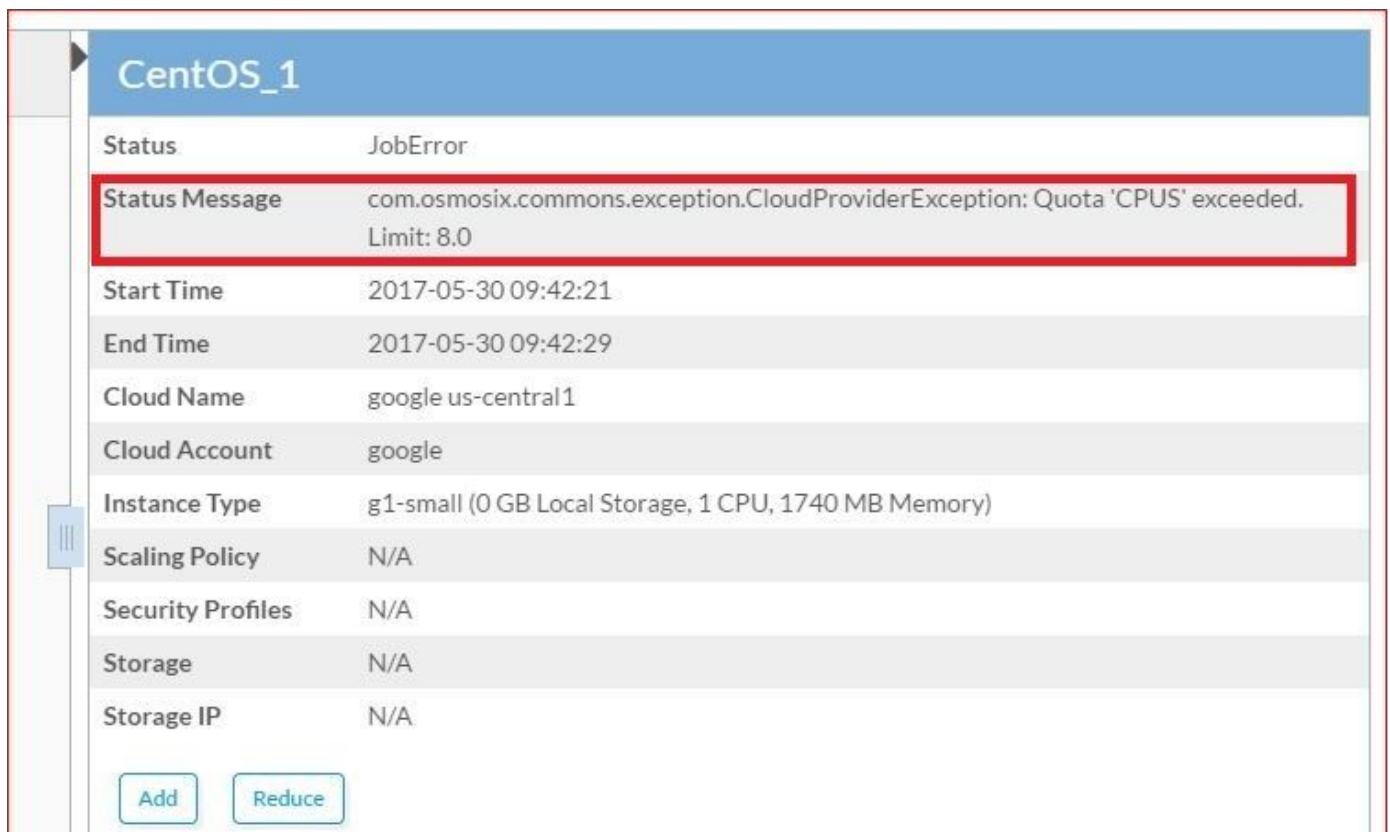
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Introduction

This document describes how to resolve a CPU's exceeded error message while on Google Cloud.

Problem:Deployment fails with error "Quota CPU's exceeded. Limit: 8.0"

Unable to deploy instance on google cloud GCE with Cisco Call Manager (CCM) version 4.8.0/4.7.x. It fails with an error "Quota CPU's exceeded. Limit: 8.0.", as shown in the image:



CentOS_1	
Status	JobError
Status Message	com.osmosix.commons.exception.CloudProviderException: Quota 'CPUS' exceeded. Limit: 8.0
Start Time	2017-05-30 09:42:21
End Time	2017-05-30 09:42:29
Cloud Name	google us-central1
Cloud Account	google
Instance Type	g1-small (0 GB Local Storage, 1 CPU, 1740 MB Memory)
Scaling Policy	N/A
Security Profiles	N/A
Storage	N/A
Storage IP	N/A

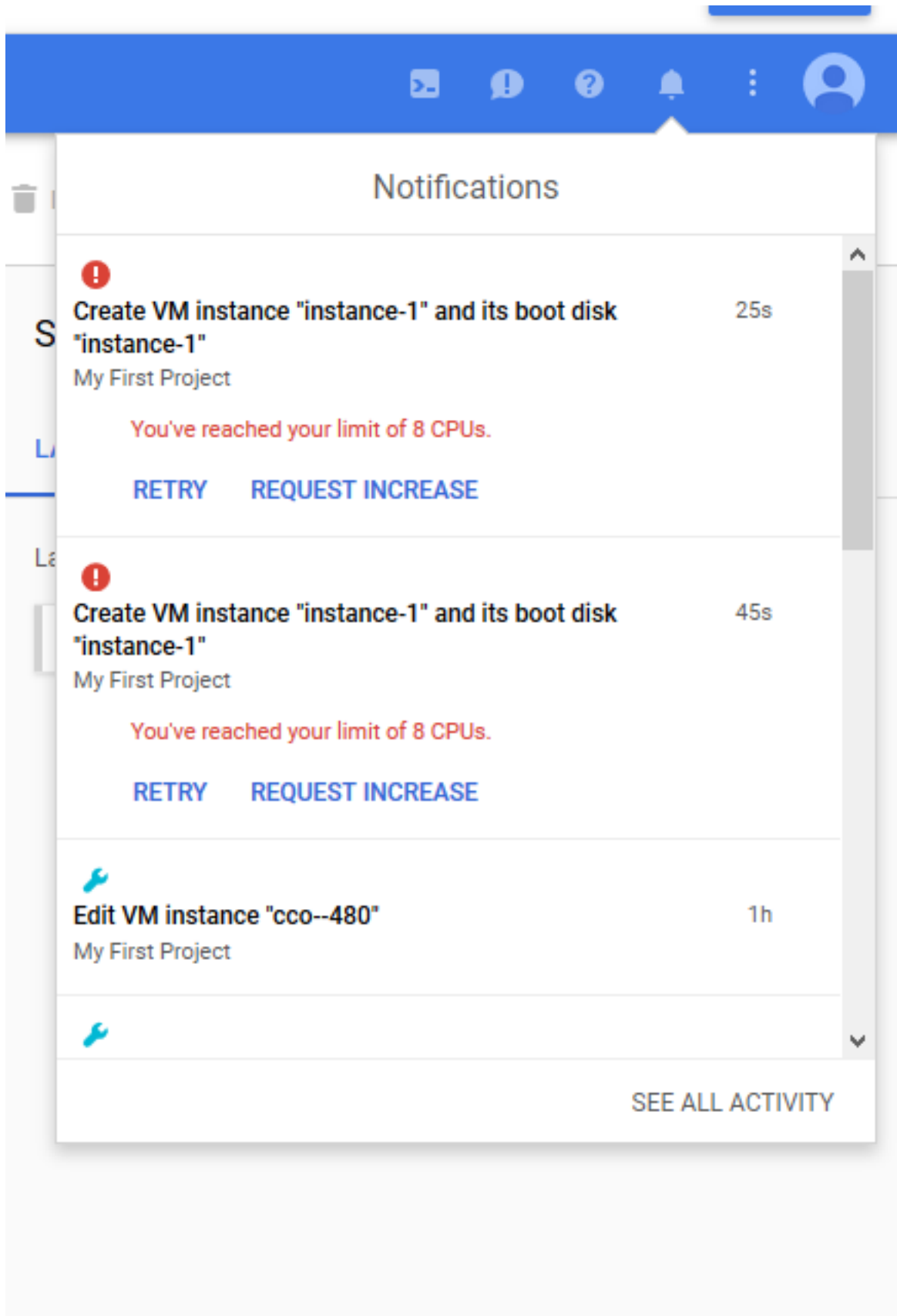
In CCO osmosix logs, you can find this error:

```
AppLifecycleImpl [17, Jango, STARTING] 17-05-30 04:21:37 / (running)
```

```
=====  
ClusterLifecycleImpl[18,CentOS_1,WAITING_TO_START,0] (not started)
```

```
2017-05-30 04:21:38,473 INFO impl.AbstractLifecycle [threadPoolExecutor-2] -  
DeploymentJobName=CentOS_1 DeploymentJobID=18 ClusterLifecycleImpl[18,CentOS_1,STARTING,0] state  
from WAITING_TO_START -> STARTING  
2017-05-30 04:21:41,708 WARN util.MacroUtil [threadPoolExecutor-2] - Value for key: JOB_DESC  
is null  
2017-05-30 04:21:42,837 INFO impl.GatewayServiceImpl [threadPoolExecutor-2] - VLAN ID:null  
2017-05-30 04:21:42,959 INFO gc.GoogleComputeCloudProviderV1 [threadPoolExecutor-2] -  
NetworkInterfaceInfo{privateIPAllocationMode=DHCP, networkID='default', order=1,  
publicIpAllocate=true, staticIPAllocation=null, ipamCallOutAllocation=null, properties=null}  
2017-05-30 04:21:45,951 ERROR gc.BaseGoogleComputeCloudProvider [threadPoolExecutor-2] -  
GoogleJsonErrors  
2017-05-30 04:21:45,952 ERROR gc.BaseGoogleComputeCloudProvider [threadPoolExecutor-2] - Google  
JsonResponse Exception  
com.google.api.client.googleapis.json.GoogleJsonResponseException: 403 Forbidden  
{  
  "code" : 403,  
  "errors" : [ {  
    "domain" : "usageLimits",  
    "message" : "Quota 'CPUS' exceeded. Limit: 8.0",  
    "reason" : "quotaExceeded"  
  } ],  
  "message" : "Quota 'CPUS' exceeded. Limit: 8.0"  
}
```

Login to Google Cloud UI, and check the **Notification** tab, where you can find the exact error, as shown in the image.



Resource allocation limited based on the plan you have subscribed. If you exceed the limit.

In order to verify, login to GCC and select **Quota**, as shown in the image, you can find the Quotas for your existing plan.

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Quotas [EDIT QUOTAS](#)

Quota type: Quotas with usage Service: Google Compute Engine Metric: All metrics Region: All regions Clear

You can't request an increase until you upgrade your free trial account. [Upgrade account](#)

Service	Region	Used	Limit
Google Compute Engine Total SSD disk reserved (GB)	us-central1	100 / 100	100 / 100
Google Compute Engine CPUs	us-central1	8 / 8	8 / 8
Google Compute Engine CPUs (all regions)	Global	8 / 24	8 / 24
Google Compute Engine In-use IP addresses	us-central1	2 / 8	2 / 8
Google Compute Engine Networks	Global	1 / 5	1 / 5
Google Compute Engine Firewall rules	Global	9 / 100	9 / 100
Google Compute Engine	Global	8 / 100	8 / 100

Solution

This can be resolved by checking the GCE current subscription and upgrade if necessary or remove the unused instances to release the resources.