

GKE bugfix to disable docker **live-restore**

1. For running instances (one time fix)

Add `/etc/default/docker` file with `DOCKER_OPTS="--live-restore=false"` and then restart docker.

This can be done by running

```
$ gcloud compute ssh <instance name>

### On the instance:
$ sudo bash
# source /etc/default/docker
# echo DOCKER_OPTS="${DOCKER_OPTS} --live-restore=false" > /etc/default/docker
# systemctl restart docker.service

### To verify that the fix has been applied, ensure the output of the command:
# docker info | grep "Live Restore"
Live Restore Enabled: false
```

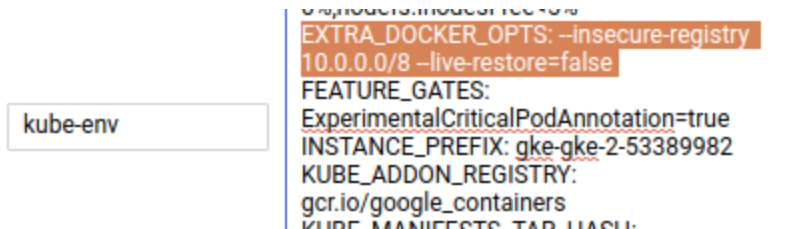
Note: This fix will get undone if the instance reboots.

2. For recovering running instances (persistent fix)

For persistent fix (i.e. one that remains even after instance reboot), edit the instance metadata.

View Pantheon

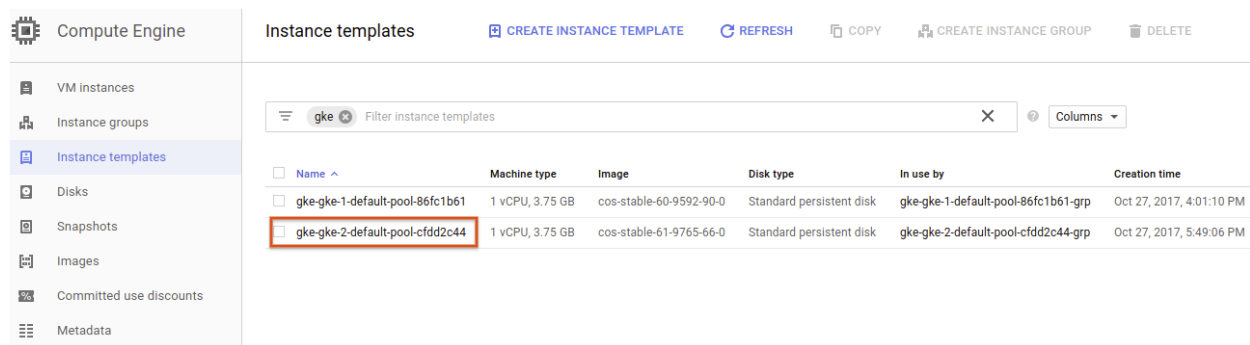
1. Open the instance details page
2. Click Edit
3. Look for **kube-env** key in the **custom-metadata**
4. Look for the **EXTRA_DOCKER_OPTS** variable
5. Modify its value by appending **--live-restore=false** to it



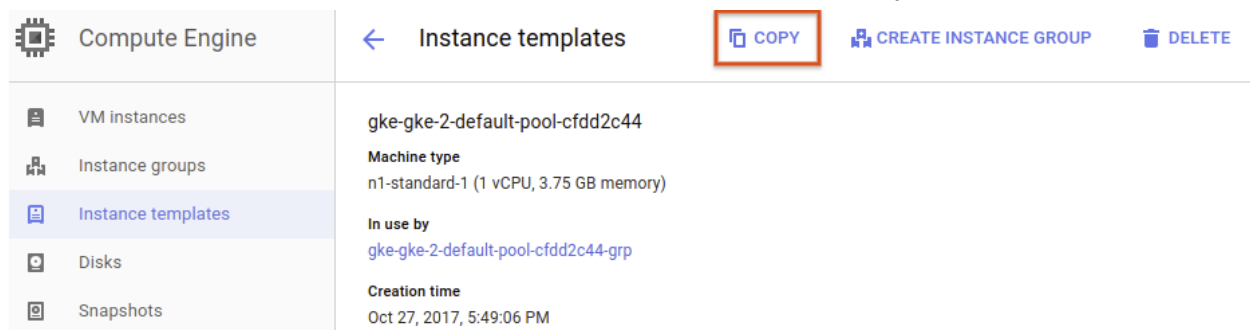
3. For future/new instances

To apply the fix for all nodes created in future, you will need to edit the instance template used by the GKE cluster.

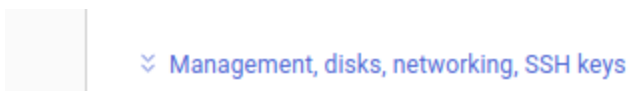
1. Identify the instance template used by the affected gke cluster



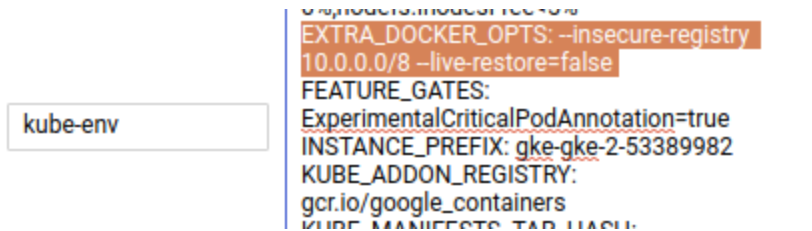
2. Click on the template name to open the details and click “Copy”



3. Assign a new name to the template (the default gets “-1” suffix automatically. So you could just use that as well)
4. Expand the “Management, disks, networking, SSH keys” section



5. Locate “kube-env” key under the the Metadata section, and edit it by appending `--live-restore=false` to the `EXTRA_DOCKER_OPTS` variable



6. Click “Create” button at the bottom of the page to create and save the new template
7. Now navigate back to the “Instance Groups” UI, identify and click on the name of the affected instance group

Name	Zone	Creation time	Instances	Template
gke-gke-1-default-pool-86fc1b61-grp	us-central1-a	Oct 27, 2017, 4:01:13 PM	3	gke-gke-1-default-pool-86fc1b61
gke-gke-2-default-pool-cfdd2c44-grp	us-central1-a	Oct 27, 2017, 5:49:10 PM	3	gke-gke-2-default-pool-cfdd2c44

8. Click the “Edit Group” button

9. From the drop-down, select the name of the new instance template created in the earlier step

10. Click “Save”

After this, any new instance created in the node pool will include the fix.

(Note that running `gcloud gcloud container node-pools rollback` will undo changes to the instance group. If you rollback, you will need to repeat steps 7-9 above.)