oVirt

Replacing gluster host in oVirt-Engine

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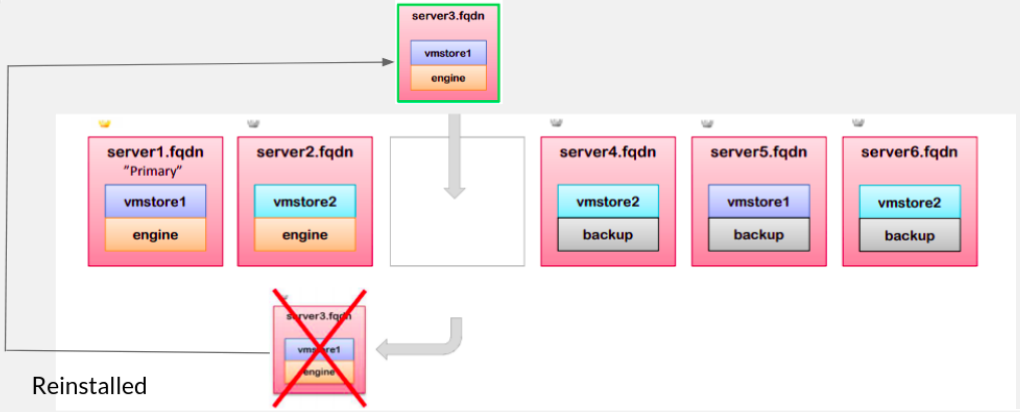
Why do we need this feature

The existing replace host was a series of manual steps that had to be followed in order,
Especially stopping the ovirt-engine, preparing the new host, handling the volumes, bricks, etc.

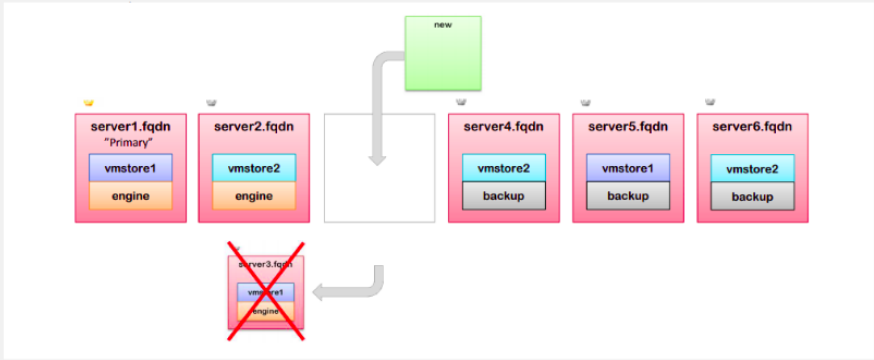
To achieve the easy and smooth way or replacing of host through automation thus minimizing series of time consuming tasks

What is Replace Host

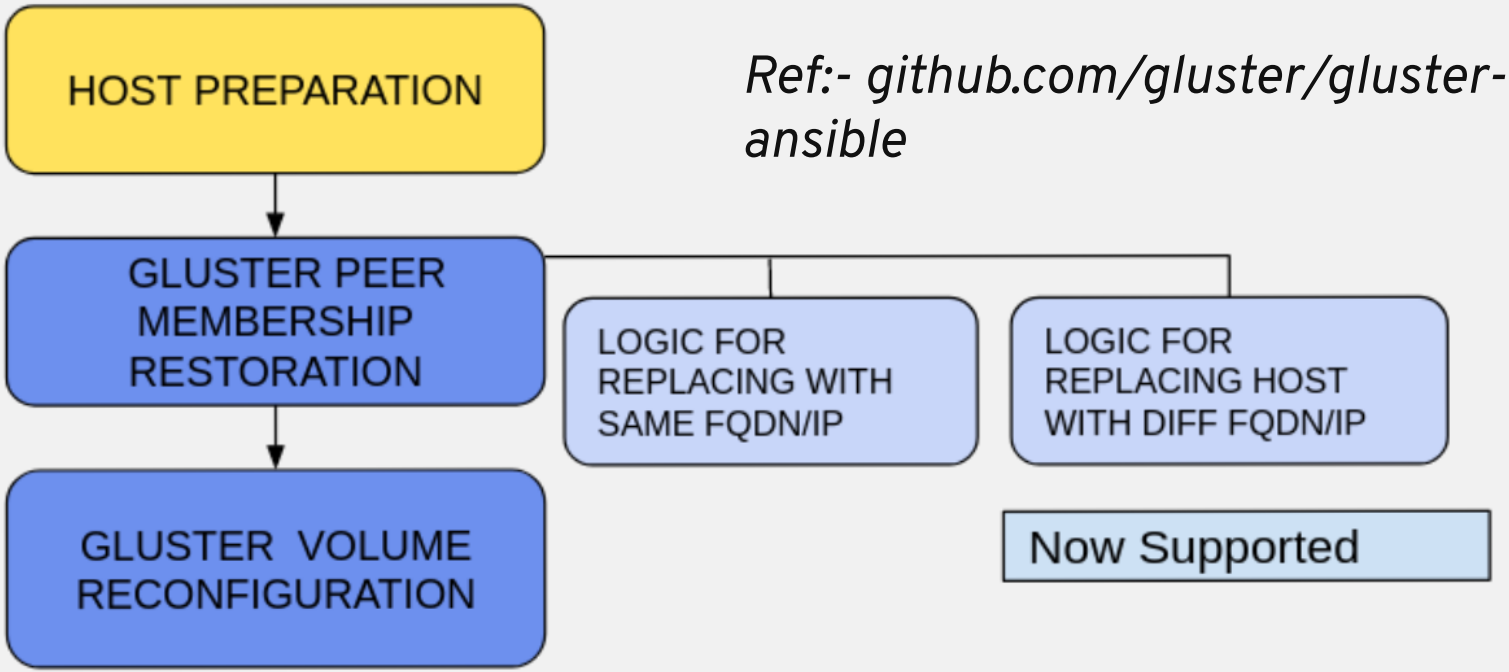
Same FQDN



Different FQDN



In gluster ansible



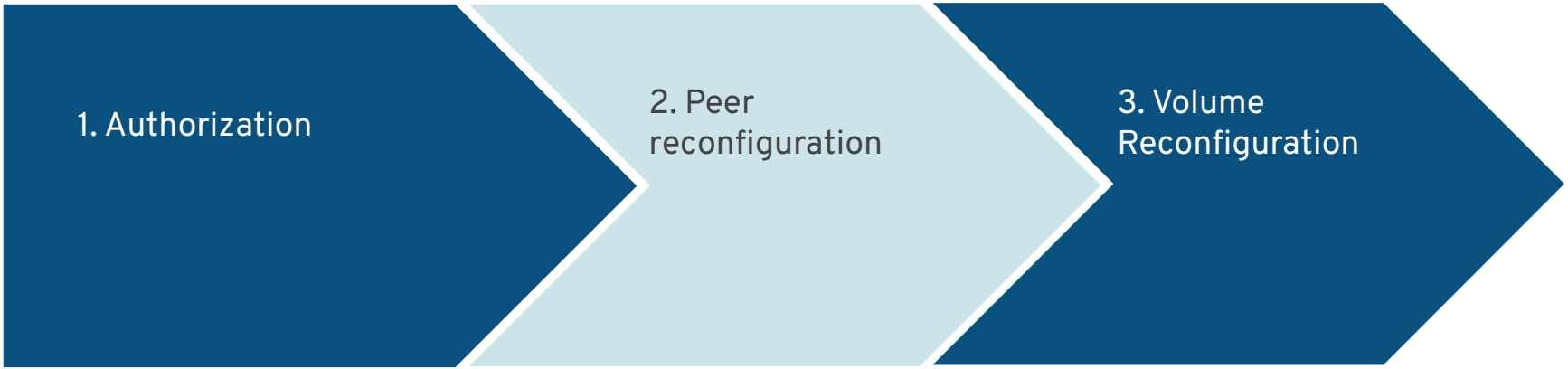
Ref:- github.com/gluster/gluster-ansible

Variables

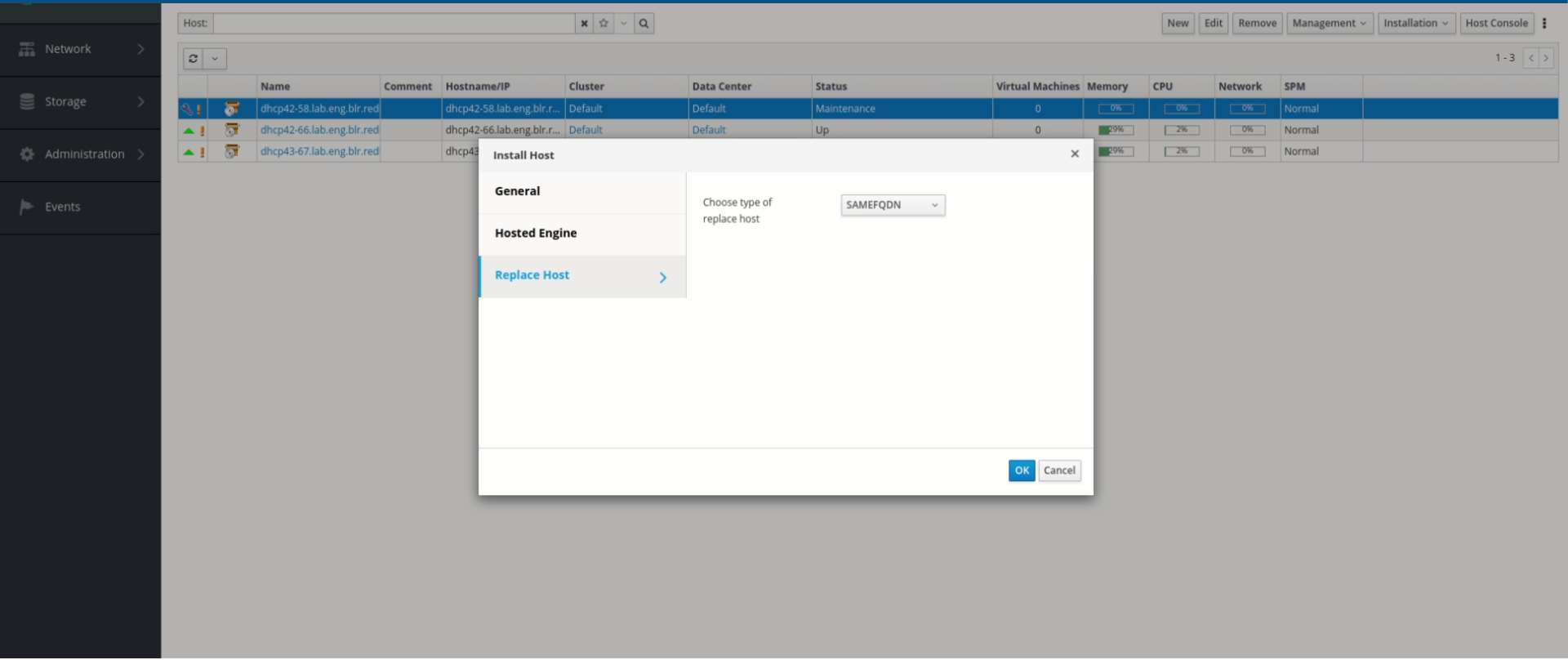
```
---
- remote_user: root
  gather_facts: no
  hosts: server
  no_log: True
  vars:
    - gluster_maintenance_old_node: host1.example.com
    - gluster_maintenance_new_node: host1.example.com
    - gluster_maintenance_cluster_node: host2.example.com
    - gluster_maintenance_cluster_node_2: host2.example.com

  roles:
    - gluster.maintenance
```

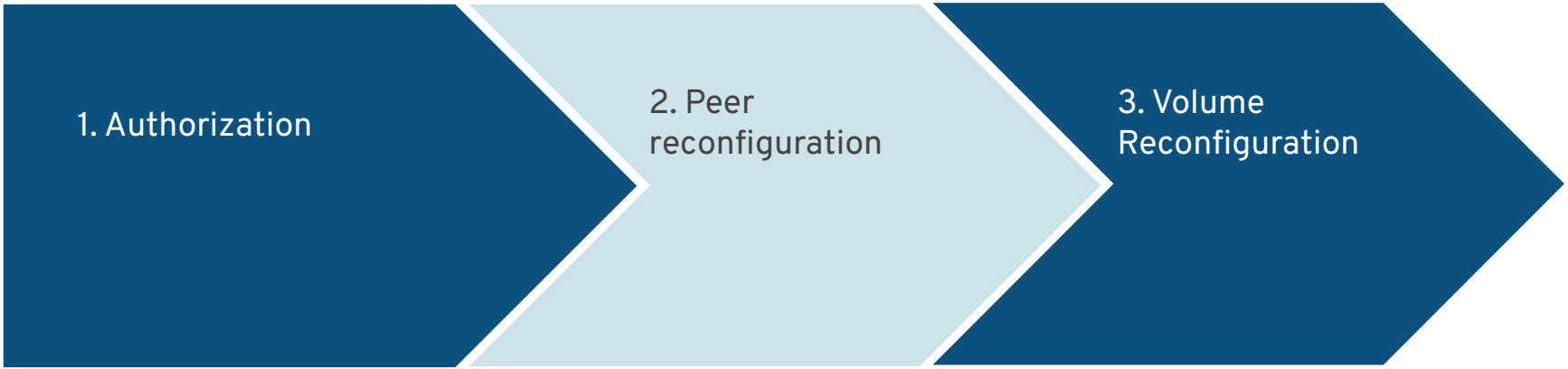
What we are going to discuss



Replace host in ovirt-engine



What we are going to discuss



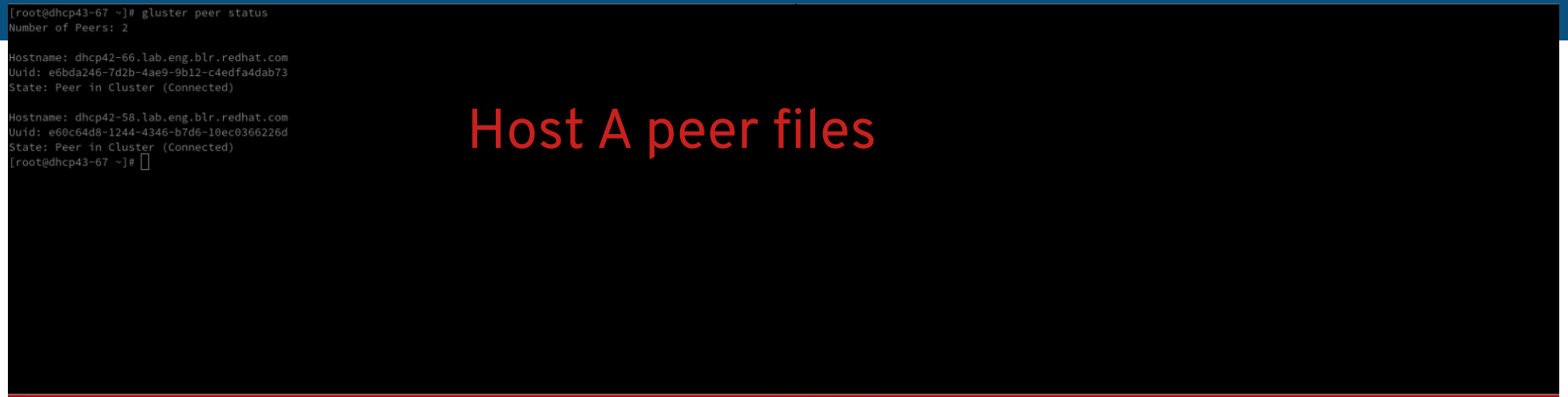
Authorization

- Copying the ssh authorized keys to the to be replaced host

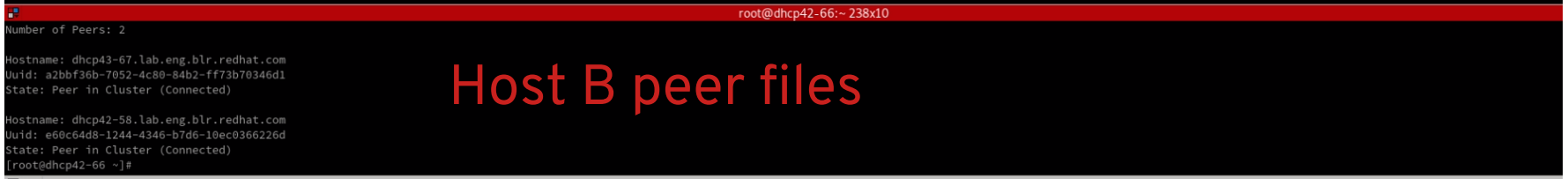
Peer Reconfigration

- Peer Restoration for same FQDN
  - Copying old hosts peer to the new host .Thus adding the new host back to the cluster
- Peer Restoration for different FQDN
  - Peer probing the new host to host 1 and host 2, (we will later detach the old host , thus removing the old nodes peer)

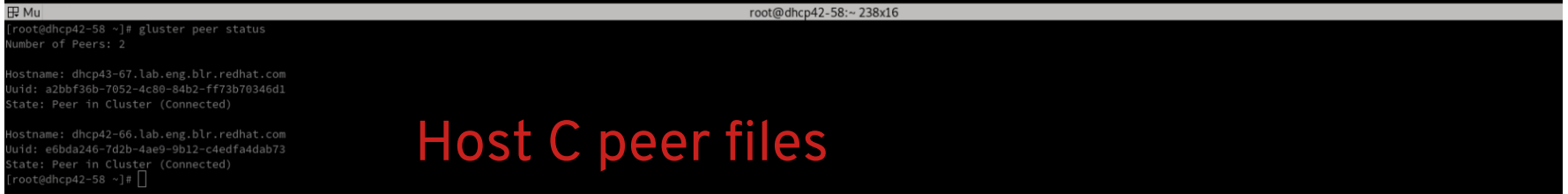
Gluster peer in hosts



Host A peer files



Host B peer files

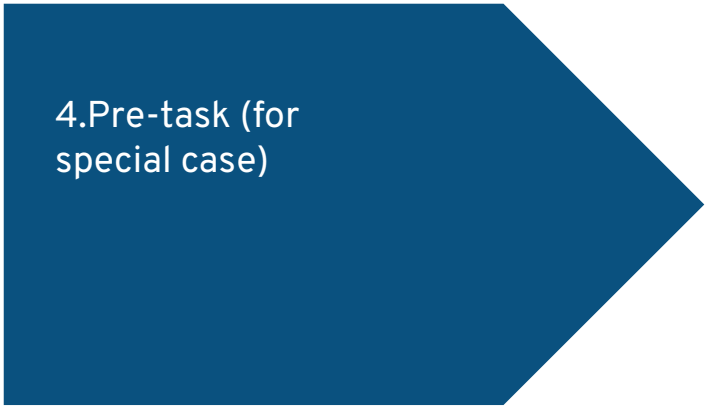


Host C peer files

Volume Restoration

- Volume Restoration
  - Run replace-brick commit force of bricks for each volume , thus data will begin to heal , and the host will be successfully replaced and added back to the cluster.

Pre-task



- Pre-task
  - When the front-end fqdn is different from the back-end fqdn.

DEMO

- Copying the ssh authorized keys to the to be replaced host

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Demo Of Replace Host

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Thank you!

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