

= LizardFS Computing node and Chunk-Server failure and recovery from Cluster =

= LizardFS Compute/Storage Node Failure

Now we will simulate some node-failure scenario.

Here we have, three node in a group.

Suppose in a group1

- group1-node1 running a KVM VM named group1-node1-vm1
- group1-node2 running a KVM VM named group1-node2-vm1
- group1-node3 running a KVM VM named group1-node3-vm1

OK, now before failed any-vm, we have to copy the `kvm-config` file of all VM in a clustered storage directory...

```
mkdir /mnt/lizardfs/vmconfig  
mv /etc/libvirt/qemu/group1-node1-vm1.xml /mnt/lizardfs/vmconfig/
```

Now **shutdown** the **first node** (laptop) of **all group**, here it is **group1-node1**

Then, goto **group1-node2** & **run** the following command to re-activate VM that was running in group1-node1

```
virsh define /mnt/lizardfs/vmconfig/group1-node1-vm1.xml  
virsh start group1-node1-vm1
```

note:- As our Computing node and Storage node are in the same server, so it simulates the failure & recovery for both.