OpenStack HA testing during the hardware failovers	All tests passed
openiotes. The testing the manufacture removed	
Test scenario I (Graceful shutdown):	
in elacerally characteristics of the certain flowers (controlled 1)	uklon5-osc01cntl04
a. (target controller). poweron	shutdown -h now
2. Boot 5 VMs and verify that they all are up and running.	uklon5-osc01cntl02
a. (otner controller):	nova boot
nova bootflavor 1image	
c3e392bb-1575-43bf-85fe-5ab9bb896caaavailability-zone nova	
security-groups 3c1e8c5c-a84a-47ab-8c50-ccbff6fff2fbnic net-id=22932033-e89e-477e-972f-4948c28672f9min-count 5	
ha-test	
Turn on controller and wait until all services are up (Time limit 30	
min)	
a. (IPMI): power on	
b. (other controller): pcs status	all controllers are online
4 B (E)/N4 'C () ()	uklon5-osc01cntl03
a. (other controller): nova bootflavor 1image TestVM	nova boot
min-count 5nic net-id= <net04 id=""> ha-test</net04>	
or recurrence oracles to militar state.	uklon5-osc01cntl01
a. (other controller): for uuid in `nova list grep ha-test awk '{print \$2}'`; do nova delete \$uuid; done	successfully deleted
Test scenario II (Hard power off):	
	uklon5-osc01cntl03
a. (IPMI): power off	
L - Z. BOOLD VIVIS and Venty mai mey all are up and running.	uklon5-osc01cntl01
a. (otner controller): nova bootflavor 1image Testvivi	nova boot
min-count 5nic net-id= <net04 id=""> ha-test</net04>	
Turn on controller and wait until all services are up, but not longer	
than 30 min.	
a. (IPMI): power on	
b. (other controller): pcs status	all controllers are online
1 4. DOOL 3 VIVIS AND VEHILY MALE MEY AN AIR UP AND TURNING.	uklon5-osc01cntl04
min-count 5nic net-id= <net04 id=""> ha-test</net04>	nova boot
5 Poture the cluster to initial state	
a (other centreller); for unid in 'nove lighteren he teetland	uklon5-osc01cntl02
'{print \$2}'`; do nova delete \$uuid; done	successfully deleted

Test scenario III (Network cut):

- 1. Cut network communication on one of the controller nodes. (Controller 3)
 - a. (IPMI console): ip link set down <NIC> #For every physical NIC
- 2. Boot 5 VMs and verify that they all are up and running.
 - a. (other controller): nova boot --flavor 1 --image TestVM --min-count 5 --nic net-id=<net04 ID> ha-test
- 3. Reboot controller
 - a. (IPMI): power reset

for i in {1..10}; do crm status| head; sleep 5; done

- 4. Boot 5 VMs and verify that they all are up and running.
 - a. (other controller): nova boot --flavor 1 --image TestVM --min-count 5 --nic net-id=<net04 ID> ha-test
- 5. Return the cluster to initial state.
 - a. (other controller): for uuid in `nova list|grep ha-test|awk '{print \$2}'`; do nova delete \$uuid; done

uklon5-osc01cntl02
ip I | grep "en[os]" | cut
-d":" -f2 | xargs -I{} ip link
set down {}
uklon5-osc01cntl04
nova boot

uklon5-osc01cntl03 nova boot

uklon5-osc01cntl02 successfully deleted