DC/OS Upgrade Plan

This guide follows instructions on https://docs.mesosphere.com/1.11/installing/ent/upgrading/

SSH into bootstrap node

Edit genconf/config.yaml:

Step 1: Make a copy of the config.yaml

Step 2: Make edits to the config.yaml
-Cut customer_key parameter
-add enable_ipv6: 'false'
-add fault_domain_enabled: true

Step 3: Create genconf/license.txt

Step 4: Create genconf/fault-domain-detect

Step 5: Grab the 1.11 Enterprise Bits
curl -O
https://downloads.mesosphere.com/dcos-enterprise/stable/1.11.0/dcos_generate_config.ee.sh

Step 6: Build Installer Package
sudo bash dcos_generate_config.ee.sh --generate-node-upgrade-script 1.10.5

Step 7: Copy generated URL
-Example:
http://172.31.13.180/upgrade/0e0e2bb454b04102b19e0d693d31d7df/dcos_node_upgrade.sh

Step 8: Exit Bootstrap Node

SSH into Master Node:

Step 1: Find a non leading master
dcos node

Step 2: SSH into node

Step 3: Grab Node upgrade script from Bootstrap node

curl -O
http://172.31.13.180/upgrade/0e0e2bb454b04102b19e0d693d31d7df/dcos_node_upgrade.sh

Step 4: Upgrade Master
sudo bash dcos_node_upgrade.sh

Note: For HA, Masters should be upgrade in serial - Agents can upgrade in parallel, but may require some capacity planning if applications are running on the cluster

Step 5: Validate success
echo $?

Output should return a ‘0’

Step 6: Repeat steps for other Master nodes

Step 7: Exit Master nodes

Agents:

Step 1: SSH into Agent Node

Step 2: Navigate to the /opt/mesosphere/lib directory
cd /opt/mesosphere/lib

Step 3: Delete libltdl.so.7
This will help avoid conflicts
sudo rm libltdl.so.7

Step 4: Grab Node upgrade script from Bootstrap node
curl -O
http://172.31.13.180/upgrade/0e0e2bb454b04102b19e0d693d31d7df/dcos_node_upgrade.sh

Step 4: Upgrade Agent
sudo bash dcos_node_upgrade.sh

Step 5: Validate success
echo $?

Output should return a ‘0’

Step 6: Repeat steps for other Agent nodes

Step 7: Validate
Verify that curl http://<dcos_agent_private_ip>:5051/metrics/snapshot has the metric slave/registered with a value of 1

Monitor the Mesos UI to verify that the upgraded node rejoins the DC/OS cluster and that tasks are reconciled (http://<master-ip>/mesos). If you are upgrading from permissive to strict mode, this URL will be https://<master-ip>/mesos.

Step 8: Exit Agent nodes