Standard Operating Procedure

*Update DTR Cert in the Environment*

1. **PURPOSE**

The purpose of this standard operating procedure (SOP) is to provide a detailed step-by-step procedure to update DTR cert in the environment.

1. **PROCEDURE**
2. Go to the master node and:
   1. Run this loop for all nodes in the environment:

for i in $all ; do echo $i ; ssh $i "echo ------------------------------------------ ; hostname ; sudo curl -k -vvvv https://dtr-556876752.us-east-1.elb.amazonaws.com/ca -o /etc/pki/ca-trust/source/anchors/dtr-556876752.us-east-1.elb.amazonaws.com.crt ; sudo update-ca-trust ; sudo systemctl restart docker ; sleep 10s" ; done

* 1. ssh into a single app node and run this command:

ssh <node name>

sudo curl -k -vvvv https://dtr-556876752.us-east-1.elb.amazonaws.com/ca -o /etc/pki/ca-trust/source/anchors/dtr-556876752.us-east-1.elb.amazonaws.com.crt ; sudo update-ca-trust ; sudo systemctl restart docker

1. Restart and check the atomic API service on all master nodes:

for i in $masters; do ssh $i "uname -n; sudo systemctl restart atomic-openshift-master-api.service"; done

for i in $masters; do ssh $i "uname -n; sudo systemctl status atomic-openshift-master-api.service | grep Active"; done

1. **VALIDATION**
2. Run checksum to ensure cert was updated:

for i in $all; do ssh $i "uname -n; sudo cksum /etc/pki/ca-trust/source/anchors/dtr-556876752.us-east-1.elb.amazonaws.com.crt"; done

1. Check the timestamp to confirm:

for i in $all; do ssh $i "uname -n; sudo ls -la /etc/pki/ca-trust/source/anchors/dtr-556876752.us-east-1.elb.amazonaws.com.crt"; done

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