Standard Operating Procedure

*Node in “NotReady” State*

## PURPOSE

The purpose of this standard operating procedure (SOP) is to provide a detailed step-by-step procedure for node in “NotReady” state.

## PROCEDURE

1. To verify, check the status of nodes:

oc get nodes

1. Login to the node that is in NotReady state:

ssh <node name>

Perform a health check on the master node:

systemctl status docker to check docker status

systemctl status atomic-openshift-node.service to check atomic node service status

systemctl status atomic-openshift-master-controllers to check atomic master controllers status

systemctl status openvswitch.service to check openvswitch service status

tailf /var/log/messages to check log messages

sudo cat /var/log/messages | grep lock to check soft lockups

uptime to see how long the node has been up and its load average

cat /etc/redhat-release this should return Red Hat Enterprise Linux Server release 7.5 (Maipo)

uname -r to print kernel release

df -hT |grep "^/dev" to check disk space

oc get events to check events

1. Check for errors in /var/log/messages.
   1. If issue is unrelated to docker,
      1. unscheduled the node:

oadm manage-node <node name> schedulable=false

* + 1. reboot the node on VMware
    2. reschedule the node when the node become Ready:

oadm manage-node <node name> schedulable=true

* 1. If issue is docker related, try to restart docker service and verify the state of the node:
     1. systemctl restart docker

systemctl status docker

oc get nodes

* + 1. Schedule the node back:

oadm manage-node <node name> schedulable=true

## VALIDATION

Follow the validation steps in “Procedure”.

**Document Version Control**

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| --- | --- | --- | --- |
| Version | Effective Date | Reviewed by | Approved by |
| 1.0 | 10/1/2018 | KyungIn Kim | Yashi Kumar |
|  |  |  |  |

Document Modification History & Revision Log

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Version | Date Modified | Revised by | Role | Section Affected | Reference | Remarks |
| 1.0 |  |  |  |  |  |  |
| 1.1 |  |  |  |  |  |  |