Standard Operating Procedure

*Docker File Descriptor Issue*

## PURPOSE

The purpose of this standard operating procedure (SOP) is to provide a detailed step-by-step procedure to fix docker file descriptor issue.

## PROCEDURE

1. Restart docker service, checking docker status after stop and start. It will not come up due number of files opened by docker service. Check u limit for file descriptor.

systemctl stop docker

systemctl status docker

systemctl start docker

systemctl status docker

1. Check the number of file descriptors set

ulimit –n

1. Check the number of file descriptors opened by processes

lsof | wc –l

1. Unschedule node

oadm manage-node <node> --schedulable=false

1. Check the node is in “Ready,SchedulingDisabled” state

oc get node <node>

1. Evacuate the node

oadm manage-node <node> --evacuate --grace-period=900

1. Check pod was evacuated

oadm manage-node <node> --list-pods

Only Fluentd pods should be running on evacuated nodes since these pods are again created by DaemonSet. Other pods should move to other nodes.

1. Reboot node and check for docker service up or not.

init 6

1. Check the docker service is up; it should auto start post reboot

systemctl status docker

1. Schedule node again.

sudo oadm manage-node <node> --schedulable

## VALIDATION

Follow the validation steps in “Procedure”.

**Document Version Control**

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