

Verify the Health of RCM Node

Contents

[Introduction](#)

[Procedure](#)

[Health Check Commands for Pods](#)

Introduction

This document describes the general procedure for Redundancy Configuration Manager (RCM) Health check.

Procedure

These are the mentioned components In RCM:

- Controller
- Checkpointmgr
- Bfdmgr
- OPScenter
- Configmgr

In response to the issue, identify problematic components for health checks:

```
<#root>
```

```
rcm show-statistics bfdmgr
```

```
----- to check bfdmgr status
```

```
rcm show-statistics configmgr
```

```
----- to check how many UPs are registered for config push
```

```
rcm show-statistics checkpointmgr
```

```
----- to check how many UPs are registered for checkpoint sync with their no of instances
```

```
rcm show-statistics checkpointmgr-endpoint upfAddr ipv4_address
```

```
----- to check how checkpoint status for one particular UP
```

```
rcm show-statistics checkpointmgr-endpointstats
```

----- to check how checkpoint status for overall all the UPs registered with their ip

```
rcm show-statistics checkpointmgr-session upfAddr ipv4_address
```

----- to check statistics of checkpoint sync per UP based on its IP address

```
rcm show-statistics controller
```

----- to check no of UPs and its states registered with controller

```
rcm show-statistics switchover
```

```
rcm show-statistics switchover-verbose
```

----- above 2 command to check the UP switchover details

```
rcm support-summary -----
```

whole RCM components details would be captured

```
show running-config
```

To get whole config present in opscenter

Note: Execute all these commands from Opscenter in RCM.

Here is the process to access the Opscenter:

```
<#root>
```

```
kubect1 get svc -o wide -A
```

By this command you will get all the pods with their IPs and name

```
ssh -p 2024 admin@<ops-center pod IP>
```

Here port is 2024 and user is admin for opscenter and IP we can get from svc command

```
<#root>
```

```
cat /etc/smi/rcm-image-version
```

To check RCM version which can be directly executed on RCM but verify the file name : `rcm-image-version`

Health Check Commands for Pods

Use these commands for pod-level checks when necessary:

<code>systemctl status kubelet</code>	----- kubelet statistics
<code>systemctl status host_reboot.service</code>	----- to check status of Active RCM
<code>kubectl get pods -A</code>	----- list of pods created in the node
<code>kubectl describe pod <pod name> -n rcm</code>	----- shows details of each container in this pod
<code>kubectl get svc -n rcm</code>	----- To get service IP and port of container
<code>ssh -p 2024 admin@<pod IP></code>	----- Get into that Pod
<code>kubectl get cm "rcm"</code>	----- To check different config maps
<code>kubectl logs <pod name> -n rcm</code>	----- to check pod level logs