Understand Procedure for RCM Log Collection

Contents

Introduction

This document describes the general procedure for Redundancy Configuration Manager (RCM) log collection.

Procedure for RCM Log Collection

These are the components of RCM:

- Controller
- Checkpointmgr
- BFDMGR
- OPScenter
- Configmgr

Based on the issue scenario, it is essential to pinpoint the troublesome elements that can serve as the basis for capturing logs.

The procedure is the same for all the components as described here.

- If you need to review recent logs, such as those from the last 1 to 2 hours, you can simply gather the pod logs for that specific component.

```
kubectl get svc  -o wide -A -n rcm

With this command, you get all the pods with their IPs and name.
```

```
kubectl logs <pod name> -n rcm

Just mention the pod name for which logs are required.
```

- If you need to examine logs that are older than 2 hours, the RCM system stores all generated logs for a maximum of 4 days. You can retrieve them using the procedure outlined here.

1. Navigate to the directory path: /var/log/containers , and use the grep command to search for the specific component logs that you need.

<#root>

```
In this scenario, let's take the controller as an example. If you require logs for configmgr/checkpointr

root@h10-126-83-128:/var/log/containers# ls -la | grep controller
lrwxrwxrwx  1 root root     107 Mar 29 07:07

rcm-controller-6547b466ff-zsrcd_rcm_rcm-controller-4c149c1e962992a241dd5201aadb07237f52947740724c1df2a01
```

2. Find out the controller directory.

<#root>

```
From Step 1., you can see the controller directory as mentioned here:

/var/log/pods/rcm_rcm-controller-6547b466ff-zsrcd_ff74e5fc-9a07-4073-8956-90cd978ac98e/rcm-controller/0

Get into this path


root@h10-126-83-128:/var/log/containers# ls -la /var/log/pods/rcm_rcm-controller-6547b466ff-zsrcd_ff74e
total 12

drwxr-xr-x 2 root root 4096 Mar 29 07:07 .
drwxr-xr-x 3 root root 4096 Mar 29 07:07 ..

lrwxrwxrwx 1 root root  165 Mar 29 07:07 0.log -> /var/lib/docker/containers/4c149c1e962992a241dd5201aac
```

3. Get all the **.log** files (tar/zipped) files.

<#root>

```
In Step 2, once you have obtained the path where log files are stored, navigate to that path and collec

root@h10-126-83-128:/var/log/containers# ls -la /var/lib/docker/containers/4c149c1e962992a241dd5201aadb
total 6448

drwx------  4 root root    4096 Mar 29 07:07 .
drwx------ 69 root root   12288 Mar 29 07:07 ..
-rw-r-----  1 root root 6548746 Mar 29 10:08

4c149c1e962992a241dd5201aadb07237f52947740724c1df2a01b1b6bfbc671-json.log


drwx------  2 root root    4096 Mar 29 07:07 checkpoints
-rw-------  1 root root   23306 Mar 29 07:07 config.v2.json
-rw-r--r--  1 root root    2469 Mar 29 07:07 hostconfig.json
drwx------  2 root root    4096 Mar 29 07:07 mounts
root@h10-126-83-128:/var/log/containers#
```