



2022-Nov-03+12:35:28.682 [srp 84201 info] [1/0/6083 <vpnmgr:5> vpnmgr\_rcm.c:1492] [context: RCM, contextID: 5] [software internal system syslog] RCM: Attempting to reload UPF.

2022-Nov-03+12:35:28.735 [snmp 22002 info] [1/0/5271 <cspctrl:0> trap\_api.c:17907] [software internal system syslog] Internal trap notification 1521 (CseShutDownNotify) Shutdown reason "Reload chassis requested by CLI command"

ويودى لى لى دب الت ر م أ ل ة ق ح ت س م ل ا ت ا ل ج س ل ل ا

2022-Nov-03+12:41:04.984 [snmp 22002 info] [1/0/6073 <vpnmgr:5> trap\_api.c:11832] [software internal system syslog] Internal trap notification 1427 (**RCMChassisReload**) **RCM Chassis Reload Reason: (2) RCM Initiated Reload**

2022-Nov-03+12:41:04.984 [srp 84201 info] [1/0/6073 <vpnmgr:5> vpnmgr\_rcm.c:1492] [context: RCM, contextID: 5] [software internal system syslog] RCM: Attempting to reload UPF.

2022-Nov-03+12:41:05.014 [snmp 22002 info] [1/0/5265 <cspctrl:0> trap\_api.c:17907] [software internal system syslog] Internal trap notification 1521 (CseShutDownNotify) Shutdown reason "Reload chassis requested by CLI command"

## اهل لى لى ح ت و ت ا ن ا ي ب ل ا ع م ج

ر م أ ل ا ج ا ر خ | `rcm show-statistics switchover` ف ي ر C M ت ا ل و ح م ض ر ع م ت ي

15:28:14 on Nov 3 ف ي ل ي دب ت ث د ح أ ، ل ا ث م ل ا ي ف

was due to BGP failover on the UP/UPF, while prior switchover was at 15:14:23 on Nov 3 due to manual command switchover from RCM.

```
[unknown] rcm# rcm show-statistics switchover
```

```
Thu Nov 3 15:39:10.486 UTC+00:00
```

```
message :
```

```
{
  "stats_history": [
    {
      "status": "Success",
      "started": "Nov 3 15:28:12.315",
      "ended": "Nov 3 15:28:14.107",
      "switchoverreason": "BGP Failure",
      "source_endpoint": "192.168.60.3",
      "destination_endpoint": "192.168.60.4"
    },
    {
      "status": "Success",
      "started": "Nov 3 15:13:48.808",
      "ended": "Nov 3 15:14:23.670",
      "switchoverreason": "Planned Switchover",
      "source_endpoint": "192.168.60.4",
      "destination_endpoint": "192.168.60.3"
    },
  ]
}
```

ع ي م ج ت ب م ق م ث ل ج س ل ل ا ن م ه ي ل ع ف ر ع ت ل ا م ت ي م ل R C M C h a s s i s R e l o a d ب ب س ل ل ا ن ا ك ل ا ح ي ف ت ا ن ا ي ب ل ا

- ة ي ط ا ي ت ح ا ل ا و ة ط ش ن ل ل ا ل ي غ ش ت ل ا ت ا د ح و ن م `show support details` ن و ي ق ت س ت
- ة ي ط ا ي ت ح ا ل ا و ة ط ش ن ل ل ا U P / U P F s ت ا د ح و ن م `syslog` ت ا م و ل ع م ع ي م ج ت
- R C M ن م `syslog` ت ا م و ل ع م و `rcm support-summary` ن و ي ق ت س ت
- R C M P o d : ل ا ح ت ا ل ا ن م `Kubernetes pods` ق ق ح ت ل ا ت ا د ح أ ص ح ف

```
ubuntu@CUPS-RCM-01:~$ kubectl get pods -n rcm
NAME READY STATUS RESTARTS AGE
documentation-65d698cfbb-1941g 1/1 Running 0 161d
etcd-rcm-etcd-cluster-0 2/2 Running 0 161d
```

```
grafana-dashboard-etcd-rcm-65bd789-t57pq 1/1 Running 0 161d
ops-center-rcm-ops-center-6f946946c7-wlpnq 5/5 Running 0 161d
prometheus-rules-etcd-5c5cff47c6-vlzz7 1/1 Running 0 161d
rcm-bfdmgr-7fd47466c4-xm99h 1/1 Running 0 161d
rcm-checkpointmgr-0 1/1 Running 0 161d
rcm-checkpointmgr-1 1/1 Running 0 161d
rcm-checkpointmgr-2 1/1 Running 0 161d
rcm-checkpointmgr-3 1/1 Running 0 161d
rcm-configmgr-569f6d89c5-g7ztg 1/1 Running 0 161d
rcm-controller-775c4cc7bb-q96m6 1/1 Running 0 161d
smart-agent-rcm-ops-center-5c475b6bd-2plc6 1/1 Running 1 161d
```

## شيفت الة طقن ري دم رم أ describe عي مجت

```
ubuntu@CUPS-RCM-01:~$ kubectl describe pod rcm-checkpointmgr-0 -n rcm
```

```
Name: rcm-checkpointmgr-0
Namespace: rcm
Priority: 0
Node: rcm/10.10.1.1
Start Time: Wed, 01 Jun 2022 23:38:40 +0000
Labels: component=rcm-checkpointmgr
controller-revision-hash=rcm-checkpointmgr-566cdd886f
release=rcm-rcm-chkptmgr
statefulset.kubernetes.io/pod-name=rcm-checkpointmgr-0
Annotations: cnf.projectcalico.org/containerID:
0deal5df9e41a9195d9827cdb257430bab3257bad3417281fb6c8f3d3ed146cc
cnf.projectcalico.org/podIP: 10.42.0.72/32
cnf.projectcalico.org/podIPs: 10.42.0.72/32
prometheus.io/port: 8081
prometheus.io/scrape: true
sidecar.istio.io/inject: false
Status: Running
IP: 10.10.0.72
IPs:
IP: 10.10.0.72
Controlled By: StatefulSet/rcm-checkpointmgr
Containers:
rcm-checkpointmgr:
Container ID: docker://b86826c43e191f0266a1489ef6f0398b21c1801d6a79e40093aed6e3c023ba4d
Image: dockerhub.cisco.com/smi-fuse-docker-internal/mobile-cnat-rcm/rcm-
chkptmgr/v21.27.x/rcm_chkptmgr:0.0.5-38a8de3
Image ID: docker://sha256:adc4013783f60f6413fa81eb2bf16a652fddcd8d164e469368c2587560e42bc8
Ports: 9900/TCP, 9300/TCP, 8080/TCP, 8081/TCP
Host Ports: 0/TCP, 0/TCP, 0/TCP, 0/TCP
Command:
/usr/local/bin/run-app
State: Running
Started: Wed, 01 Jun 2022 23:38:44 +0000
Ready: True
Restart Count: 0
Environment:
K8S_NAMESPACE: rcm
GODEBUG: madvdontneed=1
GOGC: 25
GOTRACEBACK: crash
SERVICE_NAME: rcm-checkpointmgr
DATACENTER_NAME: DC
CLUSTER_NAME: Local
APPLICATION_NAME: RCM
RCM_CHKPT_POD_IP: (v1:status.podIP)
RCM_CHKPT_POD_NAME: rcm-checkpointmgr-0 (v1:metadata.name)
INFRA_PROMETHEUS_PORT: 8081
Mounts:
/config/rcm-logging from rcm-logging-volume (ro)
/var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-6828r (ro)
```

```
Conditions:
Type Status
Initialized True
Ready True
ContainersReady True
PodScheduled True
Volumes:
rcm-logging-volume:
Type: ConfigMap (a volume populated by a ConfigMap)
Name: infra-logging-conf
Optional: false
kube-api-access-6828r:
Type: Projected (a volume that contains injected data from multiple sources)
TokenExpirationSeconds: 3607
ConfigMapName: kube-root-ca.crt
ConfigMapOptional: <nil>
DownwardAPI: true
QoS Class: BestEffort
Node-Selectors: nodeType=RCM
Tolerations: node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
Events: <none>
```

### Pod لة لاجل الالجال نم ققحت

```
ubuntu@CUPS-RCM-01:~$ kubectl logs rcm-checkpointmgr-0 -n rcm | more
2022/11/09 20:19:01.554 rcm-checkpointmgr [DEBUG] [TopologyData.go:295]
[infra.topology.core] Setting state of the application as APP_STARTED
2022/11/09 20:19:01.558 rcm-checkpointmgr [DEBUG] [TopologyData.go:295]
[infra.topology.core] Setting state of the application as APP_STARTED
```

رايخ -p عم قباسل ال Pod نم الالجال عيمجت نكمي، ةزهجأ دحأ ل طعت ةلاحي ف  
ubuntu@CUPS-RCM-01:~\$ kubectl logs

## ةلص تاذا تامولعم

[RCM ةراداو نيوكت ليلد](#)

ةمچرتل هذه لوج

ةللأل تاي نقتل نم ةومچم مادختساب دن تسمل اذہ Cisco تچرت  
ملاعلاء انءمچي فني مدختسمل معدى وتحم مي دقتل ةيرشبلاو  
امك ةقيقد نوك تنل ةللأل ةمچرت لصف أن ةظحال مچري. ةصاخل مهتغب  
Cisco يلخت. فرتحم مچرت مامدقي يتل ةيفارتحال ةمچرتل عم لالحل وه  
ىلإ أمئاد عوچرلاب ي صؤتو تامچرتل هذه ةقدنع اهتيلوئسم Cisco  
Systems (رفوتم طبارلا) ي لصلأل يزي لچنل دن تسمل