

# UltraM:ESC重試到期後恢復VM

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## 簡介

本檔案介紹如何在Cisco Ultra服務平台(UltraM)中恢復虛擬化封包核心(VPC)的虛擬機器(VM)，在此之前無法訪問虛擬機器一段時間，且思科彈性服務控制器(ESC)嘗試恢復虛擬機器。

## 問題

在UltraM設定中已刪除 ( 或無法訪問 ) 計算節點。當ESC嘗試恢復節點時，由於無法訪問該節點，因此無法恢復。離開計算節點的電源線時，可以模擬此情境。模擬此情境的方法之一是從整合運算系統(UCS)刀鋒移除電源線。當ESC無法恢復VM後，它進入OpenStack下的「錯誤」狀態並保持「引導」。

在本示例中，SF卡5位於vnfd1-deployment\_s6\_0\_e03f87f5-63b6-4053-8d0f-0c9df963162c上：

```
[local]rcdn-ulram-lab# show card table
```

Slot	Card Type	Oper State	SPOF	Attach
1: CFC	Control Function Virtual Card	Standby	-	
2: CFC	Control Function Virtual Card	Active	No	
3: FC	1-Port Service Function Virtual Card	Active	No	
4: FC	1-Port Service Function Virtual Card	Active	No	
5: FC	1-Port Service Function Virtual Card	Booting	-	
6: FC	1-Port Service Function Virtual Card	Active	No	
7: FC	1-Port Service Function Virtual Card	Active	No	

```
[stack@ultram-ospd ~]$ nova list
```

```
+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+-----+
```

```
| ID | Name
```

Networks

Network ID	Status	Task State	Power State	Configuration
beab0296-8cfa-4b63-8a05-a800637199f5	ACTIVE	Running	-	Testcompanion gn=10.10.11.8; mgmt=172.16.181.18, 10.201.206.46; testcomp-sig=10.10.13.5; testcomp-gi=10.10.12.7
235f5591-9502-4ba3-a003-b254494d258b0	ACTIVE	Running	-	auto-deploy-ISO-590-uas-0 mgmt=172.16.181.11, 10.201.206.44
9450cb19-f073-476b-a750-9336b26e3c6a	ACTIVE	Running	-	auto-it-vnf-ISO-590-uas-0 mgmt=172.16.181.8, 10.201.206.43
d0d91636-951d-49db-a92b-b2a639f5db9d	ACTIVE	Running	-	autovnf1-uas-0 orchestr=172.16.180.14; mgmt=172.16.181.13
901f30e2-e96e-4658-9e1e-39a45b5859c7	ACTIVE	Running	-	autovnf1-uas-1 orchestr=172.16.180.5; mgmt=172.16.181.12
9edb3a8d-a69b-4912-86f6-9d0b05d6210d	ACTIVE	Running	-	autovnf1-uas-2 orchestr=172.16.180.16; mgmt=172.16.181.5
56ce362c-3494-4106-98e3-ba06e56ee4ed	ACTIVE	Running	-	ultram-vnfm1-ESC-0 orchestr=172.16.180.9; mgmt=172.16.181.6, 10.201.206.55
bb687399-e1f9-44b2-a258-cfa29dcf178e1	ACTIVE	Running	-	ultram-vnfm1-ESC-1 orchestr=172.16.180.15; mgmt=172.16.181.7
bfc4096c-4ff7-4b30-af3f-5bc3810b30e3	ACTIVE	Running	-	ultram-vnfm1-em_ultram_0_9b5ccf05-c340-44da-9bca-f5af4689ea42 orchestr=172.16.180.7; mgmt=172.16.181.14
cf7ddc9e-5e6d-4e38-a606-9dc9d31c559d	ACTIVE	Running	-	ultram-vnfm1-em_ultram_0_c2533edd-8756-44fb-a8bf-98b9c10bfacd orchestr=172.16.180.8; mgmt=172.16.181.15
592b5b3f-0b0b-4bc6-81e7-a8cc9a609594	ACTIVE	Running	-	ultram-vnfm1-em_ultram_0_ce0c37a0-509e-45d1-9d00-464988e02730 orchestr=172.16.180.6; mgmt=172.16.181.10
143baf4f-024a-47f1-969a-d4d79d89be14	ACTIVE	Running	-	vnfd1-deployment_c1_0_84c5bc9e-9d80-4628-b88a-f8a0011b5d4b orchestr=172.16.180.26; ultram-vnfm1-di-internal1=192.168.1.13; mgmt=172.16.181.25
b74a0365-3be1-4bee-b1cc-e454d5b0cd11	ACTIVE	Running	-	vnfd1-deployment_c2_0_66bac767-39fe-4972-b877-7826468a762e orchestr=172.16.180.10; ultram-vnfm1-di-internal1=192.168.1.5; mgmt=172.16.181.20, 10.201.206.45
59a02ec2-bed6-4ad8-81ff-e8a922742f7b	ACTIVE	Running	-	vnfd1-deployment_s3_0_f9f6b7a6-1458-4b22-b40f-33f8af3500b8 ultram-vnfm1-service-network1=10.10.10.4;

```

orchestr=172.16.180.17; ultram-vnfm1-di-internal1=192.168.1.6 |
| 52e9a2b0-cf2c-478d-baea-f4a5f3b7f327 | vnf1-deployment_s4_0_8c78cfd9-57c5-4394-992a-
c86393187dd0 | ACTIVE | - | Running | ultram-vnfm1-service-network1=10.10.10.11;
orchestr=172.16.180.20; ultram-vnfm1-di-internal1=192.168.1.3 |
| bd7c6600-3e8f-4c09-a35c-89921bbf1b35 | vnf1-deployment_s5_0_f1c48ea1-4a91-4098-86f6-
48e172e23c83 | ACTIVE | - | Running | ultram-vnfm1-service-network1=10.10.10.12;
orchestr=172.16.180.13; ultram-vnfm1-di-internal1=192.168.1.2 |
| 085baf6a-02bf-4190-ac38-bbb33350b941 | vnf1-deployment_s6_0_e03f87f5-63b6-4053-8d0f-
0c9df963162c | ERROR | - | NOSTATE
|
|
| ea03767f-5dd9-43ed-8e9d-603590da2580 | vnf1-deployment_s7_0_e887d8b1-7c98-4f60-b343-
b0be7b387b32 | ACTIVE | - | Running | ultram-vnfm1-service-network1=10.10.10.10;
orchestr=172.16.180.18; ultram-vnfm1-di-internal1=192.168.1.9 |

```

```

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```

當ESC嘗試恢復出現故障的VM後，它將在OpenStack中將該VM標籤為失敗例項，並且從現在起不會重試恢復。

以下是ESC中虛擬機器恢復失敗的日誌：

```

15:11:04,617 11-Aug-2017 WARN ===== SEND NOTIFICATION STARTS =====
15:11:04,617 11-Aug-2017 WARN Type: VM_RECOVERY_INIT
15:11:04,617 11-Aug-2017 WARN Status: SUCCESS
15:11:04,617 11-Aug-2017 WARN Status Code: 200
15:11:04,617 11-Aug-2017 WARN Status Msg: Recovery event for VM [vnf1-
deployment_s6_0_e03f87f5-63b6-4053-8d0f-0c9df963162c] triggered.
15:11:04,617 11-Aug-2017 WARN Tenant: core
15:11:04,617 11-Aug-2017 WARN Service ID: NULL
15:11:04,617 11-Aug-2017 WARN Deployment ID: b41ad0ec-bc74-4bb3-85b6-7ef430074187
15:11:04,617 11-Aug-2017 WARN Deployment name: vnf1-deployment-1.0.0-1
15:11:04,617 11-Aug-2017 WARN VM group name: s6
15:11:04,618 11-Aug-2017 WARN VM Source:
15:11:04,618 11-Aug-2017 WARN VM ID: 4d6b1b6f-6137-4e8e-b61c-66d5fb59ba0d
15:11:04,618 11-Aug-2017 WARN Host ID:
20b7df6d083651eb04f1f014e8a4958ddf9c1654cb3ad9057adc7e73
15:11:04,618 11-Aug-2017 WARN Host Name: ultram-rcdnlab-compute-4.localdomain
15:11:04,618 11-Aug-2017 WARN [DEBUG-ONLY] VM IP: 10.10.10.9; 172.16.180.22; 192.168.1.12;
15:11:04,618 11-Aug-2017 WARN ===== SEND NOTIFICATION ENDS =====

```

15:16:38,019 11-Aug-2017 WARN

15:16:38,020 11-Aug-2017 WARN ===== SEND NOTIFICATION STARTS =====

15:16:38,020 11-Aug-2017 WARN Type: VM\_RECOVERY\_REBOOT

15:16:38,020 11-Aug-2017 WARN Status: FAILURE

15:16:38,020 11-Aug-2017 WARN Status Code: 500

15:16:38,020 11-Aug-2017 WARN Status Msg: VM [vnfd1-deployment\_s6\_0\_e03f87f5-63b6-4053-8d0f-0c9df963162c] failed to be rebooted.

15:16:38,020 11-Aug-2017 WARN Tenant: core

15:16:38,020 11-Aug-2017 WARN Service ID: NULL

15:16:38,020 11-Aug-2017 WARN Deployment ID: b41ad0ec-bc74-4bb3-85b6-7ef430074187

15:16:38,020 11-Aug-2017 WARN Deployment name: vnfd1-deployment-1.0.0-1

15:16:38,020 11-Aug-2017 WARN VM group name: s6

15:16:38,021 11-Aug-2017 WARN VM Source:

15:16:38,021 11-Aug-2017 WARN VM ID: 4d6b1b6f-6137-4e8e-b61c-66d5fb59ba0d

15:16:38,021 11-Aug-2017 WARN Host ID:  
20b7df6d083651eb04f1f014e8a4958ddf9c1654cb3ad9057adc7e73

15:16:38,021 11-Aug-2017 WARN Host Name: ultram-rcdnlab-compute-4.localdomain

15:16:38,021 11-Aug-2017 WARN [DEBUG-ONLY] VM IP: 10.10.10.9; 172.16.180.22; 192.168.1.12;

15:16:38,021 11-Aug-2017 WARN ===== SEND NOTIFICATION ENDS =====

15:16:48,286 11-Aug-2017 WARN

15:16:48,286 11-Aug-2017 WARN ===== SEND NOTIFICATION STARTS =====

15:16:48,286 11-Aug-2017 WARN Type: VM\_RECOVERY\_UNDEPLOYED

15:16:48,286 11-Aug-2017 WARN Status: SUCCESS

15:16:48,286 11-Aug-2017 WARN Status Code: 204

15:16:48,286 11-Aug-2017 WARN Status Msg: VM [vnfd1-deployment\_s6\_0\_e03f87f5-63b6-4053-8d0f-0c9df963162c] has been undeployed.

15:16:48,286 11-Aug-2017 WARN Tenant: core

15:16:48,286 11-Aug-2017 WARN Service ID: NULL

15:16:48,286 11-Aug-2017 WARN Deployment ID: b41ad0ec-bc74-4bb3-85b6-7ef430074187

15:16:48,286 11-Aug-2017 WARN Deployment name: vnfd1-deployment-1.0.0-1

15:16:48,286 11-Aug-2017 WARN VM group name: s6

15:16:48,286 11-Aug-2017 WARN VM Source:

15:16:48,286 11-Aug-2017 WARN VM ID: 4d6b1b6f-6137-4e8e-b61c-66d5fb59ba0d

15:16:48,286 11-Aug-2017 WARN Host ID:

20b7df6d083651eb04f1f014e8a4958ddf9c1654cb3ad9057adc7e73

```
15:16:48,286 11-Aug-2017 WARN      Host Name: ultram-rcdnlab-compute-4.localdomain
15:16:48,287 11-Aug-2017 WARN      [DEBUG-ONLY] VM IP: 10.10.10.9; 172.16.180.22; 192.168.1.12;
15:16:48,287 11-Aug-2017 WARN      ===== SEND NOTIFICATION ENDS =====
15:18:04,418 11-Aug-2017 WARN
15:18:04,418 11-Aug-2017 WARN      ===== SEND NOTIFICATION STARTS =====
15:18:04,418 11-Aug-2017 WARN      Type: VM_RECOVERY_COMPLETE
15:18:04,418 11-Aug-2017 WARN      Status: FAILURE
15:18:04,418 11-Aug-2017 WARN      Status Code: 500
15:18:04,418 11-Aug-2017 WARN      Status Msg: Error deploying VM [vnfd1-deployment_s6_0_e03f87f5-63b6-4053-8d0f-0c9df963162c] as part of recovery workflow. VIM Driver: VM booted in ERROR state in Openstack: No valid host was found. There are not enough hosts available.
15:18:04,418 11-Aug-2017 WARN      Tenant: core
15:18:04,418 11-Aug-2017 WARN      Service ID: NULL
15:18:04,418 11-Aug-2017 WARN      Deployment ID: b41ad0ec-bc74-4bb3-85b6-7ef430074187
15:18:04,418 11-Aug-2017 WARN      Deployment name: vnfd1-deployment-1.0.0-1
15:18:04,418 11-Aug-2017 WARN      VM group name: s6
15:18:04,418 11-Aug-2017 WARN      VM Source:
15:18:04,418 11-Aug-2017 WARN      VM ID: 4d6b1b6f-6137-4e8e-b61c-66d5fb59ba0d
15:18:04,418 11-Aug-2017 WARN      Host ID:
20b7df6d083651eb04f1f014e8a4958ddf9c1654cb3ad9057adc7e73
15:18:04,418 11-Aug-2017 WARN      Host Name: ultram-rcdnlab-compute-4.localdomain
15:18:04,418 11-Aug-2017 WARN      [DEBUG-ONLY] VM IP: 10.10.10.9; 172.16.180.22; 192.168.1.12;
15:18:04,418 11-Aug-2017 WARN      ===== SEND NOTIFICATION ENDS =====
```

## 解決方案

### 1. 開啟電腦的電源按鈕並等待虛擬機器監控程式啟動：

```
[root@ultram-ospd ~]# su - stack
[stack@ultram-ospd ~]$ source stackrc
[stack@ultram-ospd ~]$ nova hypervisor-list
+-----+-----+-----+-----+
| ID | Hypervisor hostname | State | Status |
+-----+-----+-----+-----+
```

3	ultram-rcdnlab-compute-10.localdomain	up	enabled
6	ultram-rcdnlab-compute-5.localdomain	up	enabled
9	ultram-rcdnlab-compute-6.localdomain	up	enabled
12	ultram-rcdnlab-compute-3.localdomain	up	enabled
15	ultram-rcdnlab-compute-9.localdomain	up	enabled
18	ultram-rcdnlab-compute-1.localdomain	up	enabled
21	ultram-rcdnlab-compute-8.localdomain	up	enabled
24	ultram-rcdnlab-compute-4.localdomain	down	enabled
27	ultram-rcdnlab-compute-7.localdomain	up	enabled
30	ultram-rcdnlab-compute-2.localdomain	up	enabled
33	ultram-rcdnlab-compute-0.localdomain	up	enabled

+-----+-----+-----+-----+

[stack@ultram-ospd ~]\$ nova hypervisor-list

ID	Hypervisor hostname	State	Status
3	ultram-rcdnlab-compute-10.localdomain	up	enabled
6	ultram-rcdnlab-compute-5.localdomain	up	enabled
9	ultram-rcdnlab-compute-6.localdomain	up	enabled
12	ultram-rcdnlab-compute-3.localdomain	up	enabled
15	ultram-rcdnlab-compute-9.localdomain	up	enabled
18	ultram-rcdnlab-compute-1.localdomain	up	enabled
21	ultram-rcdnlab-compute-8.localdomain	up	enabled
24	ultram-rcdnlab-compute-4.localdomain	up	enabled
27	ultram-rcdnlab-compute-7.localdomain	up	enabled
30	ultram-rcdnlab-compute-2.localdomain	up	enabled
33	ultram-rcdnlab-compute-0.localdomain	up	enabled

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## 2. 識別新星清單中的例項ID:

```
[root@ultram-ospd ~]# su - stack
[stack@ultram-ospd ~]$ source corerc

[stack@ultram-ospd ~]$ nova list | grep ERROR

| 085baf6a-02bf-4190-ac38-bbb33350b941 | vnf1-deployment_s6_0_e03f87f5-63b6-4053-8d0f-
0c9df963162c | ERROR | - | NOSTATE |
```

### 3.使用上一步中的CLI和例項ID在ESC上啟動手動恢復：

```
[admin@ultram-vmf1-esc-0 ~]$ cd /opt/cisco/esc/esc-confd/esc-cli

[admin@ultram-vmf1-esc-0 esc-cli]$ ./esc_nc_cli recovery-vm-action DO vnf1-
deployment_s6_0_e03f87f5-63b6-4053-8d0f-0c9df963162c

Recovery VM Action

/opt/cisco/esc/confd/bin/netconf-console --port=830 --host=127.0.0.1 --user=admin --
privKeyFile=/home/admin/.ssh/confd_id_dsa --privKeyType=dsa --rpc=/tmp/esc_nc_cli.hZsdLQ2Mle

<?xml version="1.0" encoding="UTF-8"?>

<rpc-reply xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" message-id="1">

  <ok/>

</rpc-reply>
```

### 4.檢查日誌，使用OpenStack Horizon確認例項已恢復：

```
[admin@ultram-vmf1-esc-0 ~]$ tail -f /var/log/esc/yangesc.log

16:41:54,445 11-Aug-2017 INFO ===== RECOVERY VM ACTION REQUEST RECEIVED =====
16:41:54,445 11-Aug-2017 INFO Type: DO
16:41:54,445 11-Aug-2017 INFO Recovery VM name: vnf1-deployment_s6_0_e03f87f5-63b6-4053-8d0f-
0c9df963162c
16:41:58,092 11-Aug-2017 INFO ===== RECOVERY VM ACTION REQUEST ACCEPTED =====
16:41:58,673 11-Aug-2017 WARN
16:41:58,673 11-Aug-2017 WARN ===== SEND NOTIFICATION STARTS =====
16:41:58,674 11-Aug-2017 WARN Type: VM_RECOVERY_INIT
16:41:58,674 11-Aug-2017 WARN Status: SUCCESS
16:41:58,674 11-Aug-2017 WARN Status Code: 200
16:41:58,674 11-Aug-2017 WARN Status Msg: Recovery event for VM [vnf1-
deployment_s6_0_e03f87f5-63b6-4053-8d0f-0c9df963162c] triggered.
16:41:58,674 11-Aug-2017 WARN Tenant: core
16:41:58,674 11-Aug-2017 WARN Service ID: NULL
16:41:58,674 11-Aug-2017 WARN Deployment ID: b41ad0ec-bc74-4bb3-85b6-7ef430074187
16:41:58,674 11-Aug-2017 WARN Deployment name: vnf1-deployment-1.0.0-1
16:41:58,674 11-Aug-2017 WARN VM group name: s6
16:41:58,674 11-Aug-2017 WARN VM Source:
16:41:58,674 11-Aug-2017 WARN VM ID: 085baf6a-02bf-4190-ac38-bbb33350b941
16:41:58,674 11-Aug-2017 WARN Host ID:
16:41:58,674 11-Aug-2017 WARN Host Name:
16:41:58,674 11-Aug-2017 WARN [DEBUG-ONLY] VM IP: 10.10.10.9; 172.16.180.22; 192.168.1.12;
16:41:58,674 11-Aug-2017 WARN ===== SEND NOTIFICATION ENDS =====
16:42:19,794 11-Aug-2017 WARN
16:42:19,794 11-Aug-2017 WARN ===== SEND NOTIFICATION STARTS =====
```

16:42:19,794 11-Aug-2017 WARN Type: VM\_RECOVERY\_REBOOT  
16:42:19,794 11-Aug-2017 WARN Status: FAILURE  
16:42:19,794 11-Aug-2017 WARN Status Code: 500  
16:42:19,794 11-Aug-2017 WARN Status Msg: VM [vnfd1-deployment\_s6\_0\_e03f87f5-63b6-4053-8d0f-0c9df963162c] failed to be rebooted.  
16:42:19,794 11-Aug-2017 WARN Tenant: core  
16:42:19,795 11-Aug-2017 WARN Service ID: NULL  
16:42:19,795 11-Aug-2017 WARN Deployment ID: b41ad0ec-bc74-4bb3-85b6-7ef430074187  
16:42:19,795 11-Aug-2017 WARN Deployment name: vnfd1-deployment-1.0.0-1  
16:42:19,795 11-Aug-2017 WARN VM group name: s6  
16:42:19,795 11-Aug-2017 WARN VM Source:  
16:42:19,795 11-Aug-2017 WARN VM ID: 085baf6a-02bf-4190-ac38-bbb33350b941  
16:42:19,795 11-Aug-2017 WARN Host ID:  
16:42:19,795 11-Aug-2017 WARN Host Name:  
16:42:19,795 11-Aug-2017 WARN [DEBUG-ONLY] VM IP: 10.10.10.9; 172.16.180.22; 192.168.1.12;  
16:42:19,795 11-Aug-2017 WARN ===== SEND NOTIFICATION ENDS =====  
16:42:32,013 11-Aug-2017 WARN  
16:42:32,013 11-Aug-2017 WARN ===== SEND NOTIFICATION STARTS =====  
16:42:32,013 11-Aug-2017 WARN Type: VM\_RECOVERY\_UNDEPLOYED  
16:42:32,013 11-Aug-2017 WARN Status: SUCCESS  
16:42:32,013 11-Aug-2017 WARN Status Code: 204  
16:42:32,013 11-Aug-2017 WARN Status Msg: VM [vnfd1-deployment\_s6\_0\_e03f87f5-63b6-4053-8d0f-0c9df963162c] has been undeployed.  
16:42:32,013 11-Aug-2017 WARN Tenant: core  
16:42:32,014 11-Aug-2017 WARN Service ID: NULL  
16:42:32,014 11-Aug-2017 WARN Deployment ID: b41ad0ec-bc74-4bb3-85b6-7ef430074187  
16:42:32,014 11-Aug-2017 WARN Deployment name: vnfd1-deployment-1.0.0-1  
16:42:32,014 11-Aug-2017 WARN VM group name: s6  
16:42:32,014 11-Aug-2017 WARN VM Source:  
16:42:32,014 11-Aug-2017 WARN VM ID: 085baf6a-02bf-4190-ac38-bbb33350b941  
16:42:32,014 11-Aug-2017 WARN Host ID:  
16:42:32,014 11-Aug-2017 WARN Host Name:  
16:42:32,014 11-Aug-2017 WARN [DEBUG-ONLY] VM IP: 10.10.10.9; 172.16.180.22; 192.168.1.12;  
16:42:32,014 11-Aug-2017 WARN ===== SEND NOTIFICATION ENDS =====  
16:43:13,643 11-Aug-2017 WARN  
16:43:13,643 11-Aug-2017 WARN ===== SEND NOTIFICATION STARTS =====  
16:43:13,643 11-Aug-2017 WARN Type: VM\_RECOVERY\_DEPLOYED  
16:43:13,643 11-Aug-2017 WARN Status: SUCCESS  
16:43:13,643 11-Aug-2017 WARN Status Code: 200  
16:43:13,643 11-Aug-2017 WARN Status Msg: VM [vnfd1-deployment\_s6\_0\_e03f87f5-63b6-4053-8d0f-0c9df963162c] has been deployed as part of recovery.  
16:43:13,643 11-Aug-2017 WARN Tenant: core  
16:43:13,643 11-Aug-2017 WARN Service ID: NULL  
16:43:13,643 11-Aug-2017 WARN Deployment ID: b41ad0ec-bc74-4bb3-85b6-7ef430074187  
16:43:13,643 11-Aug-2017 WARN Deployment name: vnfd1-deployment-1.0.0-1  
16:43:13,643 11-Aug-2017 WARN VM group name: s6  
16:43:13,643 11-Aug-2017 WARN VM Source:  
16:43:13,643 11-Aug-2017 WARN VM ID: 085baf6a-02bf-4190-ac38-bbb33350b941  
16:43:13,643 11-Aug-2017 WARN Host ID:  
16:43:13,643 11-Aug-2017 WARN Host Name:  
16:43:13,643 11-Aug-2017 WARN [DEBUG-ONLY] VM IP: 10.10.10.9; 172.16.180.22; 192.168.1.12;  
16:43:13,643 11-Aug-2017 WARN VM Target:  
16:43:13,644 11-Aug-2017 WARN VM ID: a313e8dc-3b0f-4b41-8648-f9b9419bc826  
16:43:13,644 11-Aug-2017 WARN Host ID:  
20b7df6d083651eb04f1f014e8a4958ddf9c1654cb3ad9057adc7e73  
16:43:13,644 11-Aug-2017 WARN Host Name: ultram-rcdnlab-compute-4.localdomain  
16:43:13,644 11-Aug-2017 WARN [DEBUG-ONLY] VM IP: 10.10.10.9; 172.16.180.22; 192.168.1.12;  
16:43:13,644 11-Aug-2017 WARN ===== SEND NOTIFICATION ENDS =====  
16:43:33,827 11-Aug-2017 WARN  
16:43:33,827 11-Aug-2017 WARN ===== SEND NOTIFICATION STARTS =====  
16:43:33,827 11-Aug-2017 WARN Type: VM\_RECOVERY\_COMPLETE  
16:43:33,827 11-Aug-2017 WARN Status: SUCCESS  
16:43:33,827 11-Aug-2017 WARN Status Code: 200  
16:43:33,827 11-Aug-2017 WARN Status Msg: Recovery: Successfully recovered VM [vnfd1-



```

deployment_s6_0_e03f87f5-63b6-4053-8d0f-0c9df963162c].
16:43:33,827 11-Aug-2017 WARN Tenant: core
16:43:33,827 11-Aug-2017 WARN Service ID: NULL
16:43:33,828 11-Aug-2017 WARN Deployment ID: b41ad0ec-bc74-4bb3-85b6-7ef430074187
16:43:33,828 11-Aug-2017 WARN Deployment name: vnfd1-deployment-1.0.0-1
16:43:33,828 11-Aug-2017 WARN VM group name: s6
16:43:33,828 11-Aug-2017 WARN VM Source:
16:43:33,828 11-Aug-2017 WARN VM ID: 085baf6a-02bf-4190-ac38-bbb33350b941
16:43:33,828 11-Aug-2017 WARN Host ID:
16:43:33,828 11-Aug-2017 WARN Host Name:
16:43:33,828 11-Aug-2017 WARN [DEBUG-ONLY] VM IP: 10.10.10.9; 172.16.180.22; 192.168.1.12;
16:43:33,828 11-Aug-2017 WARN VM Target:
16:43:33,828 11-Aug-2017 WARN VM ID: a313e8dc-3b0f-4b41-8648-f9b9419bc826
16:43:33,828 11-Aug-2017 WARN Host ID:
20b7df6d083651eb04f1f014e8a4958ddf9c1654cb3ad9057adc7e73
16:43:33,828 11-Aug-2017 WARN Host Name: ultram-rcdnlab-compute-4.localdomain
16:43:33,828 11-Aug-2017 WARN [DEBUG-ONLY] VM IP: 10.10.10.9; 172.16.180.22; 192.168.1.12;
16:43:33,828 11-Aug-2017 WARN ===== SEND NOTIFICATION ENDS =====

```

```
[local]rcdn-ulram-lab# show card table
```

Slot	Card Type	Oper State	SPOF	Attach
1: CFC	Control Function Virtual Card	Standby	-	
2: CFC	Control Function Virtual Card	Active	No	
3: FC	1-Port Service Function Virtual Card	Active	No	
4: FC	1-Port Service Function Virtual Card	Active	No	
5: FC	1-Port Service Function Virtual Card	Standby	-	
6: FC	1-Port Service Function Virtual Card	Active	No	
7: FC	1-Port Service Function Virtual Card	Active	No	

```
[local]rcdn-ulram-lab#
```