

# UltraM: Recuperação de VM após a expiração da nova tentativa ESC

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## Introduction

Este documento descreve como recuperar uma máquina virtual (VM) de núcleo de pacote virtualizado (VPC) na plataforma Cisco Ultra Services (UltraM) depois que a VM está inacessível por algum tempo e o Cisco Elastic Services Controller (ESC) tenta recuperá-la.

## Problema

O nó de computação é removido (ou inacessível) na configuração do UltraM. Quando o ESC tenta recuperar o nó, mas não consegue fazer isso porque o nó estava inacessível. Esse cenário pode ser simulado quando você deixa os cabos de alimentação de um nó de computação. Uma maneira de simular esse cenário é remover os cabos de alimentação do blade do Unified Computing System (UCS). Depois que o ESC não recuperar a VM, ele entra no estado "ERRO" no OpenStack e permanece "inicializando".

No exemplo, a placa SF 5 está em vnf1-Deployment\_s6\_0\_e03f87f5-63b6-4053-8d0f-0c9df963162c:

```
[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 | Status | Task State | Power State |
Networks
|
+-----+-----+-----+-----+-----+
-----+-----+-----+-----+-----+
-----+
| beab0296-8cfa-4b63-8a05-a800637199f5 | Testcompanion | ACTIVE | - | Running | testcomp- |
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-b254494d258b | auto-deploy-ISO-590-uas- | ACTIVE | - | Running | mgmt=172.16.181.11, |
0 | 10.201.206.44 |
| 9450cb19-f073-476b-a750-9336b26e3c6a | auto-it-vnf-ISO-590-uas-0 | ACTIVE | - | Running | mgmt=172.16.181.8, |
10.201.206.43 |
| d0d91636-951d-49db-a92b-b2a639f5db9d | autovnf1-uas-0 | ACTIVE | - | Running | orchestr=172.16.180.14; |
mgmt=172.16.181.13 |
| 901f30e2-e96e-4658-9e1e-39a45b5859c7 | autovnf1-uas-1 | ACTIVE | - | Running | orchestr=172.16.180.5; |
mgmt=172.16.181.12 |
| 9edb3a8d-a69b-4912-86f6-9d0b05d6210d | autovnf1-uas-2 | ACTIVE | - | Running | orchestr=172.16.180.16; |
mgmt=172.16.181.5 |
| 56ce362c-3494-4106-98e3-ba06e56ee4ed | ultram-vnfm1-ESC-0 | ACTIVE | - | Running | orchestr=172.16.180.9; mgmt=172.16.181.6, |
10.201.206.55 |
| bb687399-elf9-44b2-a258-cfa29dcf178e | ultram-vnfm1-ESC- | ACTIVE | - | Running | |
1 | orchestr=172.16.180.15; |
mgmt=172.16.181.7 |
| bfc4096c-4ff7-4b30-af3f-5bc3810b30e3 | ultram-vnfm1-em_ultram_0_9b5ccf05-c340-44da-9bca- | ACTIVE | - | Running | orchestr=172.16.180.7; |
f5af4689ea42 | mgmt=172.16.181.14 |
| cf7ddc9e-5e6d-4e38-a606-9dc9d31c559d | ultram-vnfm1-em_ultram_0_c2533edd-8756-44fb-a8bf- | ACTIVE | - | Running | orchestr=172.16.180.8; |
98b9c10bfacd | mgmt=172.16.181.15 |
| 592b5b3f-0b0b-4bc6-81e7-a8cc9a609594 | ultram-vnfm1-em_ultram_0_ce0c37a0-509e-45d1-9d00- | ACTIVE | - | Running | orchestr=172.16.180.6; |
464988e02730 | mgmt=172.16.181.10 |
| 143baf4f-024a-47f1-969a-d4d79d89be14 | vnfd1-deployment_c1_0_84c5bc9e-9d80-4628-b88a- | ACTIVE | - | Running | orchestr=172.16.180.26; ultram-vnfm1-di- |
f8a0011b5d4b | mgmt=192.168.1.13; mgmt=172.16.181.25 |
internall=192.168.1.13; mgmt=172.16.181.25 |
```

```

| b74a0365-3be1-4bee-b1cc-e454d5b0cd11 | vnfd1-deployment_c2_0_66bac767-39fe-4972-b877-
7826468a762e | ACTIVE | - | Running | 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 | vnfd1-deployment_s3_0_f9f6b7a6-1458-4b22-b40f-
33f8af3500b8 | ACTIVE | - | Running | 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 | vnfd1-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 | vnfd1-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 | vnfd1-deployment_s6_0_e03f87f5-63b6-4053-8d0f-
0c9df963162c | ERROR | - | NOSTATE
|

| ea03767f-5dd9-43ed-8e9d-603590da2580 | vnfd1-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 |

```

```

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

```

Depois que o ESC tenta recuperar a VM com falha, ele marca a VM como instâncias de falha no OpenStack e não tenta se recuperar de agora em diante.

Aqui estão os registros do ESC em que a recuperação de VM falha:

```

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 [vnfd1-
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: vnfd1-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 =====
```

## Solução

1. Ligue o computador com o botão liga/desliga e aguarde até o hipervisor aparecer:

```
[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 |

```

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

## 2. Identificar a ID da instância na lista Nova:

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

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

| 085baf6a-02bf-4190-ac38-bbb33350b941 | vnfd1-deployment_s6_0_e03f87f5-63b6-4053-8d0f-
0c9df963162c | ERROR | - | NOSTATE |
```

## 3. Inicie a recuperação manual em ESC com a CLI e a ID da instância da etapa anterior:

```
[admin@ultram-vnfm1-esc-0 ~]$ cd /opt/cisco/esc/esc-confd/esc-cli

[admin@ultram-vnfm1-esc-0 esc-cli]$ ./esc_nc_cli recovery-vm-action DO vnfd1-
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. Verifique os registros, OpenStack Horizon para confirmar que a instância foi recuperada:

```
[admin@ultram-vnfm1-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: vnfd1-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 [vnfd1-
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: vnfd1-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#
```