



Port Profiles

This chapter describes how to identify and resolve problems with port profiles and includes the following sections:

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Information About Port Profiles

Port profiles are used to configure interfaces. A port profile can be assigned to multiple interfaces to give them all the same configuration. Changes to the port profile are propagated automatically to the configuration of any interface assigned to it.

In VMware vCenter Server, a port profile is represented as a port group. The vEthernet or Ethernet interfaces are assigned in vCenter Server to a port profile for the following reasons:

- Defining a port configuration by policy.
- Applying a single policy across a large number of ports.
- Supporting both vEthernet and Ethernet ports.

vEthernet port profiles can be assigned by the server administrator to physical ports (a VMNIC or a PNIC). Port profiles not configured as vEthernet can be assigned to a VM virtual port.



Note

While a manual interface configuration overrides that of the port profile, we do not recommend that you do so. Manual interface configuration is only used, for example, to quickly test a change or allow a port to be disabled without having to change the inherited port profile.

For more information about assigning port profiles to physical or virtual ports, see your VMware documentation.

To verify that the profiles are assigned as expected to physical or virtual ports, use the following **show** commands:

- **show port-profile virtual usage**
- **show running-config interface *interface-id***

To verify port profile inheritance, use the following command:

- **show running-config interface** *interface-id*

**Note**

Inherited port profiles cannot be changed or removed from an interface from the Cisco Nexus 1000V CLI. This action can only be done from vCenter Server.

**Note**

Inherited port profiles are automatically configured by the Cisco Nexus 1000V when the ports are attached on the hosts. This action is done by matching up the VMware port group assigned by the system administrator with the port profile that created it.

For detailed information about port profiles, see the *Cisco Nexus 1000V Port Profile Configuration Guide*.

Problems with Port Profiles

The following are symptoms, possible causes, and solutions for problems with port profiles.

Symptom	Possible Causes	Solution
You do not see the port group on vCenter Server or the following message is displayed: Warning: Operation succeeded locally but update failed on vCenter server. Please check if you are connected to vCenter Server.	The connection to vCenter server is down.	<ol style="list-style-type: none"> 1. Verify that the connection to vCenter Server is Enabled and Connected. show svcs connections 2. Reconnect to vCenter server. For detailed instructions, see the <i>Connecting to vCenter Server</i> procedure in the <i>Cisco Nexus 1000V System Management Configuration Guide</i>.
	The domain configuration was not successfully pushed to vCenter server.	<ol style="list-style-type: none"> 1. Verify that the domain configuration was successfully pushed to vCenter Server. show svcs domain 2. Fix any problems with the domain configuration. For information about configuring the domain, see the <i>Cisco Nexus 1000V System Management Configuration Guide</i>.
	The port profile is configured incorrectly.	<ol style="list-style-type: none"> 1. Verify that the vmware port-group is configured for the port profile and that the port profile is enabled. show port profile name name 2. Fix the port profile using the procedures in the <i>Cisco Nexus 1000V Port Profile Configuration Guide</i>.

Symptom	Possible Causes	Solution
<p>A port configuration is not applied to an interface.</p>	<p>Management connectivity between vCenter server and the VSM has prevented the port profile assignment from being sent or received.</p>	<ol style="list-style-type: none"> 1. Display the port profile usage by interface. show port-profile virtual usage 2. Verify that the interface level configuration did not overwrite the port profile configuration. show run show port-profile expand-interface 3. If the show command output is incorrect, on vCenter server, reassign the port group to the interface.
<p>An Ethernet interface or vEthernet interface is administratively down.</p> <p>A system message similar to the following is logged:</p> <pre>%VMS-3-DVPG_NICS_MOVED: '1' nics have been moved from port-group 'Access483' to 'Unused_Or_Quarantine_Veth'.</pre>	<p>The interface is inheriting a quarantined port profile.</p> <p>A configuration was not saved prior to rebooting the VSM, the configuration was lost, and the interfaces were moved to one of the following port profiles:</p> <ul style="list-style-type: none"> • Unused_Or_Quarantine_Uplink for ethernet types • Unused_Or_Quarantine_Veth for Vethernet types 	<ol style="list-style-type: none"> 1. Verify the port profile-to-interface mapping. show port-profile virtual usage 2. Reassign the VMNIC or PNIC to a non-quarantined port group to enable the interface to be up and forwarding traffic. This requires changing the port group on vCenter Server.
<p>After applying a port profile, an online interface is quarantined.</p> <p>A system message similar to the following is logged:</p> <pre>%PORT-PROFILE-2-INTERFACE_QUARANTINED: Interface Ethernet3/3 has been quarantined due to Cache Overrun</pre>	<p>The assigned port profile is incorrectly configured. The incorrect command fails when the port profile is applied to an interface.</p> <p>Although a specific command fails, the port profile-to-interface mapping is created.</p>	<ol style="list-style-type: none"> 1. Identify the command that failed. show accounting log grep FAILURE 2. Verify that the interface is quarantined. show port-profile sync-status 3. Verify the port profile-to-interface mapping. show port-profile virtual usage 4. Fix the error in the port profile using the procedures in the <i>Cisco Nexus 1000V Port Profile Configuration Guide</i>. 5. Bring the interface out of quarantine. no shutdown The interface comes back online. 6. Return shutdown control to the port profile. default shutdown

Symptom	Possible Causes	Solution
<p>After modifying a port profile, an assigned offline interface is quarantined.</p> <p>A system message similar to the following is logged:</p> <pre>%PORT-PROFILE-2-INTERFACE_QUARANTINED: Interface Ethernet4/3 has been quarantined due to Cache Overrun</pre>	<p>The interface has been removed from the DVS.</p>	<p>To bring the interface back online, see the “Recovering a Quarantined Offline Interface” section on page 10-4.</p>
<p>A module and all associated interfaces are offline.</p> <p>A system message similar to the following is logged:</p> <pre>2011 Mar 2 22:28:50 switch %VEM_MGR-2-VEM_MGR_REMOVE_NO_HB: Removing VEM 3 (heartbeats lost) 2011 Mar 2 22:29:00 switch %VEM_MGR-2-MOD_OFFLINE: Module 3 is offline</pre>	<p>The interface carrying system VLANs for the module has gone down for one of the following reasons:</p> <ul style="list-style-type: none"> • System interfaces were removed from the DVS on vCenter Server. • The module was powered down. • There is a general loss of connectivity to the module. 	<p>Follow VEM troubleshooting guidelines to bring the module back online</p> <p>To bring the interface back online, see the “Recovering a Quarantined Offline Interface” section on page 10-4.</p>

Recovering a Quarantined Offline Interface

You can recover and bring online an interface that is offline and has been quarantined.

BEFORE YOU BEGIN

- Log in to the CLI in EXEC mode.

DETAILED STEPS

-
- Step 1** Verify that the interface has been quarantined. The interface appears in the **show** command output.
- show port-profile sync-status**
- Step 2** On vCenter server, add or associate the PNIC to a port profile (either the original port profile or a different port profile).
- The interface comes back online.
- Step 3** Verify that the interface has come back online.
- show interface brief**
- Step 4** Verify the port profile-to-interface mapping.
- show port-profile virtual usage**
- Step 5** Verify the interface has come out of quarantine automatically. The interface should no longer appear in the show command output.
- show port-profile sync-status**

Step 6 Return shutdown control to the port profile.

```
default shutdown
```

Port Profile Logs

To enable and collect detailed logs for port profiles, use the following commands:

- `debug port-profile trace`
- `debug port-profile error`
- `debug port-profile all`
- `debug msp all`

After enabling the debug log, the results of any subsequent port profile configuration are captured in the log file.

Port Profile Troubleshooting Commands

You can use the commands in this section to troubleshoot problems related to port profiles.

Command	Purpose
<code>show port-profile</code>	Displays the port profile configuration. See Example 10-1 on page 10-6 .
<code>show port-profile name <i>name</i></code>	Displays the configuration for a named port profile. See Example 10-2 on page 10-7 .
<code>show port-profile brief</code>	Displays a tabular view of all configured port profiles. See Example 10-3 on page 10-7 .
<code>show port-profile expand-interface</code>	Displays all configured port profiles expanded to include the interfaces assigned to them. See Example 10-4 on page 10-7 .
<code>show port-profile expand-interface name <i>name</i></code>	Displays a named port profile expanded to include the interfaces assigned to it. See Example 10-5 on page 10-8 .
<code>show port-profile-role [name <i>port-profile-role-name</i>]</code>	Displays the port profile role configuration, including role names, descriptions, assigned users, and assigned groups. See Example 10-7 on page 10-8 .
<code>show running-config port-profile [<i>profile-name</i>]</code>	Displays the port profile configuration. See Example 10-6 on page 10-8 .

Command	Purpose
show port-profile-role	Displays the port profile role configuration. See Example 10-7 on page 10-8 .
show port-profile-role users	Displays the available users and groups. See Example 10-8 on page 10-9 .
show port-profile sync-status [interface if-name]	Displays the interfaces that are not synchronized with the port profile. See Example 10-9 on page 10-9 .
show port-profile virtual usage [name profile-name]	Displays the port profile usage by interface. See Example 10-10 on page 10-9 .
show msp internal info	Displays the port profile mappings on vCenter server and configured roles. See Example 10-11 on page 10-9 .
show system internal port-profile profile-fsm	Displays the port profile activity on the Cisco Nexus 1000V, including transitions such as inherits and configurations. If the following displays, then all inherits are processed: Curr state: [PPM_PROFILE_ST_SIDLE] See Example 10-12 on page 10-13 .
show system internal port-profile event-history msgs	Displays the messages logged about port profile events within the Cisco Nexus 1000V. See Example 10-13 on page 10-14 .

For detailed information about **show** command output, see the *Cisco Nexus 1000V Command Reference*.

EXAMPLES

Example 10-1 show port-profile Command

```
switch# show port-profile
port-profile 1
  type: Vethernet
  description:
  status: enabled
  max-ports: 1
  min-ports: 1
  inherit:
  config attributes:
    switchport mode access
    ip port access-group acl1 in
    capability vxlan
    no shutdown
  evaluated config attributes:
    switchport mode access
    ip port access-group acl1 in
    capability vxlan
    no shutdown
  assigned interfaces:
  port-group: 1
  system vlans: none
```

```

capability l3control: no
capability iscsi-multipath: no
capability vxlan: yes
capability l3-vservice: no
port-profile role: none
port-binding: static#

```

Example 10-2 show port-profile name Command

```

switch# show port-profile name vEthProfile3
port-profile 1
  type: Vethernet
  description:
  status: enabled
  max-ports: 1
  min-ports: 1
  inherit:
  config attributes:
    switchport mode access
    ip port access-group acl1 in
    capability vxlan
    no shutdown
  evaluated config attributes:
    switchport mode access
    ip port access-group acl1 in
    capability vxlan
    no shutdown
  assigned interfaces:
  port-group: 1
  system vlans: none
  capability l3control: no
  capability iscsi-multipath: no
  capability vxlan: yes
  capability l3-vservice: no
  port-profile role: none
  port-binding: static

```

Example 10-3 show port-profile brief Command

```

switch# show port-profile brief
VM_PP_NIC8_VLAN_1338      Vethernet 1      3      3      374      0
VM_PP_NIC9_VLAN_1339      Vethernet 1      3      3      374      0
-----
Profile   Assigned Total Sys   Parent Child UsedBy
Type      Intfs   Prfls Prfls Prfls Prfls Prfls
-----
Vethernet 3549    1524  7    1524  0    18
Ethernet  10      11    4    11    0    8
DAO-VSM#
Vethernet 8
Ethernet  10
switch#

```

Example 10-4 show port-profile expand-interface Command

```

switch# show port-profile expand-interface
port-profile 50
Vethernet6
switchport mode access
switchport access vlan 50
no shutdown
Vethernet27

```

```

switchport mode access
switchport access vlan 50
no shutdown
Vethernet30
switchport mode access
switchport access vlan 50
no shutdown
Vethernet31
switchport mode access
switchport access vlan 50
no shutdown
Vethernet32
switchport mode access
switchport access vlan 50
no shutdownport-profile AccessProf
  id: 1
  capability: 0x0
  state: 0x0

```

Example 10-5 *show port-profile expand-interface name Command*

```

switch# show port-profile expand-interface name UplinkProfile1
port-profile EthProfile1
Ethernet2/2
  switchport mode trunk
  switchport trunk allowed vlan 110-119
  no shutdown
switch#

```

Example 10-6 *show running-config port-profile Command*

```

switch# show running-config port-profile
port-profile type ethernet UplinkProfile1
  description "Profile for critical system ports"
  vmware port-group
  switchport mode access
  switchport access vlan 113
  switchport trunk native vlan 113
  channel-group auto mode on
  no shutdown
port-profile type vethernet vEthProfile2
  vmware port-group
  vmware max-ports 5
  switchport mode trunk
  switchport trunk native vlan 112
  channel-group auto mode on sub-group cdp
  no shutdown
switch#

```

Example 10-7 *show port-profile-role Command*

```

switch# show port-profile-role name adminUser

Name: adminUser
Description: adminOnly
Users:
  hdbaar (user)
Assigned port-profiles:
  allaccess2
switch#

```


Example 10-8 show port-profile-role users Command

```
switch# show port-profile-role users
Groups:
  Administrators
  TestGroupB
Users:
  hdbaar
  fgreen
  suchen
  mariofr
switch#
```

Example 10-9 show port-profile sync-status Command

```
switch# show port-profile sync-status interface ethernet 3/2
Ethernet3/2
  port-profile: uplink
  interface status: quarantine
  sync status: out of sync
  cached commands:
  errors:
    command cache overrun
  recovery steps:
    bring interface online
switch#
```

Example 10-10 show port-profile virtual usage Command

```
switch# show port-profile virtual usage
-----
Port Profile          Port          Adapter      Owner
-----
nlkv-uplink0         Po1
                    Eth3/2        vmnic1       localhost.
                    Eth3/3        vmnic2       localhost.
vlan1767              Veth7         Net Adapter 1 all-tool-7
                    Veth8         Net Adapter 1 all-tool-8
aipc1765              Veth4         Net Adapter 1 bl-h-s
inband/outband interface 1766
                    Veth6         Net Adapter 3 bl-h-s
mgmt1764              Veth5         Net Adapter 2 bl-h-s
vpc-mac-uplink       Po7
                    Eth5/2        vmnic1       localhost.
                    Eth5/3        vmnic2       localhost.
ch-vpc-mac-uplink    Po2
                    Po3
                    Eth4/2        vmnic1       VDANIKLNCOS
                    Eth4/3        vmnic2       VDANIKLNCOS
ch-aipc1765           Veth1         Net Adapter 1 bl-h-p
ch-mgmt1764           Veth2         Net Adapter 2 bl-h-p
ch-inband/outband interface1766
                    Veth3         Net Adapter 3 bl-h-p
switch#
```

Example 10-11 show msp internal info Command

```
switch# show msp internal info
port-profile Access484
  id: 5
  capability: 0x0
  state: 0x1
  type: 0x1
  system vlan mode: -
```

```

system vlans:
port-binding: static
max ports: 256
vmware config information
  pg name: Access484
  dvs: (ignore)
port-profile role:
alias information:
  pg id: Access484
  dvs uuid:
  type: 1
  pg id: dvportgroup-3285
  dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
  type: 2
  pg id: dvportgroup-3292
  dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
  type: 2
port-profile Unused_Or_Quarantine_Uplink
id: 1
capability: 0x1
state: 0x1
type: 0x1
system vlan mode: -
system vlans:
port-binding: static
max ports: 32
vmware config information
  pg name: Unused_Or_Quarantine_Uplink
  dvs: (ignore)
port-profile role:
alias information:
  pg id: Unused_Or_Quarantine_Uplink
  dvs uuid:
  type: 1
  pg id: dvportgroup-2444
  dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
  type: 2
port-profile Unused_Or_Quarantine_Veth
id: 2
capability: 0x0
state: 0x1
type: 0x1
system vlan mode: -
system vlans:
port-binding: static
max ports: 32
vmware config information
  pg name: Unused_Or_Quarantine_Veth
  dvs: (ignore)
port-profile role:
alias information:
  pg id: Unused_Or_Quarantine_Veth
  dvs uuid:
  type: 1
  pg id: dvportgroup-2445
  dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
  type: 2
port-profile eth-break-deinherit
id: 10
capability: 0x1
state: 0x1
type: 0x1
system vlan mode: -
system vlans:

```

```

port-binding: static
max ports: 32
vmware config information
  pg name: eth-break-deinherit
  dvs: (ignore)
port-profile role:
alias information:
  pg id: eth-break-deinherit
  dvs uuid:
  type: 1
  pg id: dvportgroup-3286
  dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
  type: 2
  pg id: dvportgroup-3293
  dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
  type: 2
port-profile eth-break-inherit
id: 9
capability: 0x1
state: 0x1
type: 0x1
system vlan mode: -
system vlans:
port-binding: static
max ports: 32
vmware config information
  pg name: eth-break-inherit
  dvs: (ignore)
port-profile role:
alias information:
  pg id: eth-break-inherit
  dvs uuid:
  type: 1
  pg id: dvportgroup-3287
  dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
  type: 2
  pg id: dvportgroup-3294
  dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
  type: 2
port-profile uplink
id: 3
capability: 0x3
state: 0x1
type: 0x1
system vlan mode: trunk
system vlans: 480-481
port-binding: static
max ports: 32
vmware config information
  pg name: uplink
  dvs: (ignore)
port-profile role:
alias information:
  pg id: uplink
  dvs uuid:
  type: 1
  pg id: dvportgroup-3283
  dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
  type: 2
port-profile uplink-quar
id: 12
capability: 0x1
state: 0x1
type: 0x1

```

```

system vlan mode: -
system vlans:
port-binding: static
max ports: 32
vmware config information
  pg name: uplink-quar
  dvs: (ignore)
port-profile role:
alias information:
  pg id: uplink-quar
  dvs uuid:
  type: 1
  pg id: dvportgroup-3288
  dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
  type: 2
  pg id: dvportgroup-3295
  dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
  type: 2
port-profile veth-break-deinherit
id: 8
capability: 0x0
state: 0x1
type: 0x1
system vlan mode: -
system vlans:
port-binding: static
max ports: 256
vmware config information
  pg name: veth-break-deinherit
  dvs: (ignore)
port-profile role:
alias information:
  pg id: veth-break-deinherit
  dvs uuid:
  type: 1
  pg id: dvportgroup-3289
  dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
  type: 2
  pg id: dvportgroup-3296
  dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
  type: 2
port-profile veth-break-inherit
id: 7
capability: 0x0
state: 0x1
type: 0x1
system vlan mode: -
system vlans:
port-binding: static
max ports: 256
vmware config information
  pg name: veth-break-inherit
  dvs: (ignore)
port-profile role:
alias information:
  pg id: veth-break-inherit
  dvs uuid:
  type: 1
  pg id: dvportgroup-3290
  dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
  type: 2
  pg id: dvportgroup-3297
  dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
  type: 2

```

```

port-profile vpc-uplink
  id: 6
  capability: 0x3
  state: 0x1
  type: 0x1
  system vlan mode: trunk
  system vlans: 480-481
  port-binding: static
  max ports: 32
  vmware config information
    pg name: vpc-uplink
    dvs: (ignore)
  port-profile role:
  alias information:
    pg id: vpc-uplink
    dvs uuid:
    type: 1
    pg id: dvportgroup-3291
    dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
    type: 2
    pg id: dvportgroup-3298
    dvs uuid: 44 dc 3b 50 53 11 b7 ac-ef ed ef 46 ee df c2 d5
    type: 2
  pending binds:
  port-profile-role adfd
    id: 0
    desc:
    num users: 1
    group GROUP

switch#

```

Example 10-12 show system internal port-profile profile-fsm Command

```

switch# show system internal port-profile profile-fsm
>>>>FSM: <PROFILE_FSM:1> has 4 logged transitions<<<<<<

1) FSM:<PROFILE_FSM:1> Transition at 856903 usecs after Tue Mar  8 19:11:47 2011
  Previous state: [PPM_PROFILE_ST_SIDLE]
  Triggered event: [PPM_PROFILE_EV_EIF_STATUS_CHANGE]
  Next state: [PPM_PROFILE_ST_SIDLE]

2) FSM:<PROFILE_FSM:1> Transition at 858442 usecs after Tue Mar  8 19:11:47 2011
  Previous state: [PPM_PROFILE_ST_SIDLE]
  Triggered event: [PPM_PROFILE_EV_ELEARN]
  Next state: [PPM_PROFILE_ST_SIF_CREATE]

3) FSM:<PROFILE_FSM:1> Transition at 842710 usecs after Tue Mar  8 19:12:04 2011
  Previous state: [PPM_PROFILE_ST_SIF_CREATE]
  Triggered event: [PPM_PROFILE_EV_EACKNOWLEDGE]
  Next state: [FSM_ST_NO_CHANGE]

4) FSM:<PROFILE_FSM:1> Transition at 873872 usecs after Tue Mar  8 19:12:04 2011
  Previous state: [PPM_PROFILE_ST_SIF_CREATE]
  Triggered event: [PPM_PROFILE_EV_ESUCCESS]
  Next state: [PPM_PROFILE_ST_SIDLE]

  Curr state: [PPM_PROFILE_ST_SIDLE]
switch#

```

Example 10-13 show system internal port-profile event-history msgs Command

```

switch# show system internal port-profile event-history msgs
 1) Event:E_MTS_RX, length:60, at 538337 usecs after Tue Mar  8 19:13:02 2011
    [NOT] Opc:MTS_OPC_IM_IF_CREATED(62467), Id:0X0000B814, Ret:SUCCESS
    Src:0x00000101/175, Dst:0x00000101/0, Flags:None
    HA_SEQNO:0X00000000, RRtoken:0x00000000, Sync:UNKNOWN, Payloadsize:120
    Payload:
    0x0000:  00 00 00 02 00 00 00 02 00 00 00 0c 00 00 00 29

 2) Event:E_MTS_RX, length:60, at 515030 usecs after Tue Mar  8 19:13:02 2011
    [NOT] Opc:MTS_OPC_LC_ONLINE(1084), Id:0X0000B7E8, Ret:SUCCESS
    Src:0x00000101/744, Dst:0x00000101/0, Flags:None
    HA_SEQNO:0X00000000, RRtoken:0x00000000, Sync:UNKNOWN, Payloadsize:234
    Payload:
    0x0000:  02 00 00 03 00 00 00 00 00 00 03 02 03 02 00 00

 3) Event:E_MTS_RX, length:60, at 624319 usecs after Tue Mar  8 19:12:05 2011
    [NOT] Opc:MTS_OPC_PPM_INTERFACE_UPDATE(152601), Id:0X00003908, Ret:SUCCESS
    Src:0x00000101/489, Dst:0x00000101/0, Flags:None
    HA_SEQNO:0X00000000, RRtoken:0x00000000, Sync:UNKNOWN, Payloadsize:107
    Payload:
    0x0000:  00 00 00 02 00 00 00 02 00 00 00 0c 00 00 00 26

 4) Event:E_MTS_RX, length:60, at 624180 usecs after Tue Mar  8 19:12:05 2011
    [NOT] Opc:MTS_OPC_PPM_INTERFACE_UPDATE(152601), Id:0X00003905, Ret:SUCCESS
    Src:0x00000101/489, Dst:0x00000101/0, Flags:None
    HA_SEQNO:0X00000000, RRtoken:0x00000000, Sync:UNKNOWN, Payloadsize:107
    Payload:
    0x0000:  00 00 00 02 00 00 00 02 00 00 00 0c 00 00 00 26

 5) Event:E_MTS_RX, length:60, at 624041 usecs after Tue Mar  8 19:12:05 2011
    [NOT] Opc:MTS_OPC_PPM_INTERFACE_UPDATE(152601), Id:0X00003903, Ret:SUCCESS
    Src:0x00000101/489, Dst:0x00000101/0, Flags:None
    HA_SEQNO:0X00000000, RRtoken:0x00000000, Sync:UNKNOWN, Payloadsize:107
    Payload:
    0x0000:  00 00 00 02 00 00 00 02 00 00 00 0c 00 00 00 26
...

```