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简介

本文的目的是解决不启用自动协商的问题默认情况下，当交换在思科集成管理控制器(CIMC)时网络模式之间使用F8 CIMC配置工具。专用的模式只支持自动协商，因而从所有不承担义务的模式切换到Dedicated可能引入此行为。

问题

问题影响在配置的CIMC F8工具取决于的客户，特别地多种网络模式。

客户可见性/影响：？客户可能注意默认情况下自动协商设置不启用，当交换从不承担义务的网络模式(共享LOM /Cisco卡德/共享LOM Ext)时对专用的模式。

注意：这只被看到，当更新CIMC设置使用F8 CIMC配置工具时和不影响使用WebUI的客户更改设置。

解决方案

转换的步骤从共享LOM模式到专用的模式使用F8工具。

1. 启动服务器并且选择？F8？输入CIMC配置工具。

```
Cisco IMC Configuration Utility Version 2.0 Cisco Systems, Inc.
*****
NIC Properties
NIC mode                               NIC redundancy
Dedicated:                             [ ]           None: [ ]
Shared LOM:                             [X]           Active-standby: [ ]
Cisco Card:                             [ ]           Active-active: [X]
Shared LOM Ext: [ ]

IP (Basic)
IPv4: [X]           IPv6: [ ]
DHCP enabled [ ]
CIMC IP: 172.22.251.72
Prefix/Subnet: 255.255.252.0
Gateway: 172.22.248.1
Pref DNS Server: 0.0.0.0

VLAN (Advanced)
VLAN enabled: [ ]
VLAN ID: 1
Priority: 0

*****
<Up/Down>Selection <F10>Save <Space>Enable/Disable <F5>Refresh <ESC>Exit
<F1>Additional settings
```

注意：根据您使用的CIMC版本，您可以必须按？F1？观看更多的配置设置如下所示。

```
Cisco IMC Configuration Utility Version 2.0 Cisco Systems, Inc.
*****
Common Properties
  Hostname:      [240-FCH1612V0W4]
  Dynamic DNS:   [X]
  DDNS Domain:
FactoryDefaults
  Factory Default:      [ ]
Default User(Basic)
  Default password:
  Reenter password:
Port Properties
  Auto Negotiation:      [ ]
  Speed[1000/100 Mbps]: 100
  Duplex mode[half/full]: full
Port Profiles
  Reset:                 [ ]
  Name:
*****
<Up/Down>Selection  <F10>Save  <Space>Enable/Disable  <F5>Refresh  <ESC>Exit
<F2>PreviousPage
```

注意：这里，我们是在共享LOM模式，并且您能看到自动协商没有启用，因为它不是一有效设置。

启用它的尝试将给您此错误：

```
Reenter password:
Port Properties
  Auto Negotiation:      [ ]
  Speed[1000/100 Mbps]: 100
  Duplex mode[half/full]: full
Port Profiles
  Reset:                 [ ]
  Name:
*****
<Up/Down>Selection  <F10>Save  <Space>Enable/Disable  <F5>Refresh  <ESC>Exit
<F2>PreviousPage

Error: Port Properties SET operation is for Dedicated NIC mode only!
```

2.返回到上一页通过按？F1？。

然后请做以下选择交换CIMC到专用的模式：

- NIC模式？专用
- NIC冗余？无
- 使用VLAN、IPv4或者IPv6以及静态与DHCP地址处理是至客户。

- 新闻？F10？保存这些设置。

```

Cisco IMC Configuration Utility Version 2.0 Cisco Systems, Inc.
*****
NIC Properties
NIC mode                               NIC redundancy
Dedicated:      [X]                    None:           [X]
Shared LOM:     [ ]                    Active-standby: [ ]
Cisco Card:     [ ]                    Active-active:  [ ]
Shared LOM Ext: [ ]

IP (Basic)
IPV4:           [X]          IPV6:  [ ]
DHCP enabled    [ ]
CIMC IP:        172.22.251.72
Prefix/Subnet:  255.255.252.0
Gateway:        172.22.248.1
Pref DNS Server: 0.0.0.0

VLAN (Advanced)
VLAN enabled:   [ ]
VLAN ID:        1
Priority:        0

*****
<Up/Down>Selection  <F10>Save  <Space>Enable/Disable  <F5>Refresh  <ESC>Exit
<F1>Additional settings

Hit the Refresh key in 45 seconds to get the latest network settings.

```

3. 请保证您等待全双工45秒，然后按？F5？刷新网络设置。

```

Cisco IMC Configuration Utility Version 2.0 Cisco Systems, Inc.
*****
NIC Properties
NIC mode                               NIC redundancy
Dedicated:      [X]                    None:           [X]
Shared LOM:     [ ]                    Active-standby: [ ]
Cisco Card:     [ ]                    Active-active:  [ ]
Shared LOM Ext: [ ]

IP (Basic)
IPV4:           [X]          IPV6:  [ ]
DHCP enabled    [ ]
CIMC IP:        172.22.251.72
Prefix/Subnet:  255.255.252.0
Gateway:        172.22.248.1
Pref DNS Server: 0.0.0.0

VLAN (Advanced)
VLAN enabled:   [ ]
VLAN ID:        1
Priority:        0

*****
<Up/Down>Selection  <F10>Save  <Space>Enable/Disable  <F5>Refresh  <ESC>Exit
<F1>Additional settings

Network settings configured

```

按 ? F1 ? 要查看另外的设置当前将显示自动协商方框如被检查。

下面显示CIMC配置工具的旧的版本一些个快照附加对1.5(4g)版本固件。

共享LOM模式：

```
CIMC Configuration Utility  Version 1.7  Cisco Systems, Inc.
*****
NIC Properties
NIC mode                               NIC redundancy
Dedicated:      [ ]                   None:           [ ]
Shared LOM:     [X]                   Active-standby:[ ]
Cisco Card:     [ ]                   Active-active:  [X]
Shared LOM Ext: [ ]

IPV4 (Basic)                            Factory Defaults
DHCP enabled:   [ ]                   CIMC Factory Default:[ ]
CIMC IP:        10.29.131.127         Default User (Basic)
Subnetmask:     255.255.255.0         Default password:
Gateway:        10.29.131.1          Reenter password:

VLAN (Advanced)                          Port Profile
VLAN enabled:   [ ]                   Reset:          [ ]
VLAN ID:        1                       Name:
Priority:        0

Port Properties
Auto Negotiation:  [ ]
Speed[1000/100 Mbps]:  100
Duplex mode[half/full]: full
*****
<Up/Down>Selection  <F10>Save  <Space>Enable/Disable  <F5>Refresh  <ESC>Exit
Network settings configured
```

专用的模式：

```
CIMC Configuration Utility  Version 1.7  Cisco Systems, Inc.
*****
NIC Properties
NIC mode                               NIC redundancy
Dedicated:      [X]                   None:           [X]
Shared LOM:     [ ]                   Active-standby:[ ]
Cisco Card:     [ ]                   Active-active:  [ ]
Shared LOM Ext: [ ]

IPV4 (Basic)                            Factory Defaults
DHCP enabled:   [ ]                   CIMC Factory Default:[ ]
CIMC IP:        10.29.131.127         Default User (Basic)
Subnetmask:     255.255.255.0         Default password:
Gateway:        10.29.131.1          Reenter password:

VLAN (Advanced)                          Port Profile
VLAN enabled:   [ ]                   Reset:          [ ]
VLAN ID:        1                       Name:
Priority:        0

Port Properties
Auto Negotiation:  [X]
Speed[1000/100 Mbps]:  1000
Duplex mode[half/full]: full
*****
<Up/Down>Selection  <F10>Save  <Space>Enable/Disable  <F5>Refresh  <ESC>Exit
Network settings configured
```

注意：您能看到自动协商方框实际上被检查。

结论：自动协商设置只是可用的在专用的模式。只要一有效专用的配置设置，设置将启用。