# 在F8 CIMC配置实用程序中默认启用自动协商

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## 简介

本文档介绍在使用F8 CIMC配置实用程序在思科集成管理控制器(CIMC)网络模式之间切换时如何解 决默认情况下自动协商启用的问题。仅在专用模式下支持自动协商,因此从任何非专用模式切换到 专用模式可能会导致此行为。

#### 问题

当您依靠F8实用程序来配置CIMC(尤其是各种网络模式)时,此问题会产生影响。

客户可视性/影响:

您可能会注意到,从非专用网络模式(共享LOM/思科卡/共享LOM扩展)切换到专用网络模式时 ,自动协商设置默认不启用。

**注意:**这仅在您使用F8 CIMC配置实用程序更新CIMC设置时可见,并且不影响您使用 WebUI更改设置时。

### 解决方案

使用F8实用程序从共享LOM模式切换到专用模式的步骤如下。

1. 启动服务器并选择F8以进入CIMC配置实用程序,如图所示。

Cisco IMC Config	uration Ut	ility Ve	ersion 2	2.0 Cisco S	ystems, Ir	nc.	
NTC Proportion	<u>Actolofototototototo</u>	aleileikokokokoko	lolololokokokoko		KOKOKOKOKOKOKOKO	kokokolololokoko	okołołołołok
NIC Properties			NITC	2 nodupdopou			
NIC MODE			NIU	, redundancy			
Dedicated:	L_J		NC	one:		[]	
Shared LOM:	[X]		Ac	tive-standby	y:	[]	
Cisco Card:	[]		Ac	ctive-active	:	[X]	
Shared LOM Ext:	[]						
IP (Basic)							
IPV4:	[X]	IPV6:	[]				
DHCP enabled	[]						
CIMC IP:	172.22.25	1.72					
Prefix/Subnet:	255.255.2	52.0					
Gateway:	172.22.24	8.1					
Pref DNS Server:	0.0.0.0						
VLAN (Advanced)							
VLAN enabled:	[]						
VLAN ID:	1						
Priority:	0						
	*						okołościolokok
<up down="">Selection</up>	n <f10>S</f10>	ave <8	Space>Er	hable/Disable	e <f5>Re</f5>	efresh	<esc>Exit</esc>
<f1>Additional se</f1>	ttings						

注意:您可能必须按F1,这取决于您使用的CIMC版本,以便查看其他配置设置,如图所示。



**注意:**在此,您处于共享LOM模式,并且您可以看到自动协商未启用,因为它不是有效设置 。 当您尝试启用时,它会给您错误,如图所示。

neericer peeewerer				
Port Properties				
Auto Negotiation:	[_]			
Speed [1000/100 Mbps]	: 100			
Duplex mode[half/ful	1]: full			
Port Profiles				
Reset:	[]			
Name:				
	en Roo Ban Ban Ban Ban Ban Ban Ban Ban Ban	la des la desta des las des des des des des des des des des de	estestestestestestestestestestestesteste	interies interies interies interies in the second
	olokokolojojojojojo			paratesperatesperatesperates
**************************************	<f10>Save</f10>	<pre><space>Enable/Disable</space></pre>	<f5>Refresh</f5>	<esc>Exit</esc>

2.要返回上一页,请按F1。

然后,选择以下设置以将CIMC切换到专用模式:

- •NIC模式>专用
- •NIC冗余>无
- Vlan、IPv4或IPv6的使用以及静态与DHCP地址的处理取决于您
- •按F10以保存图像中所示的设置。

```
Cisco IMC Configuration Utility Version 2.0 Cisco Systems, Inc.
<u>Activities and a construction of the construc</u>
NIC Properties
  NIC mode
                                                                                                                                                       NIC redundancy
                                                                    [X]
                                                                                                                                                                                                                                                          [X]
  Shared LOM:
                                                                   []
                                                                                                                                                                                                                                                         []
                                                                                                                                                          Active-standby:
                                                                                                                                                                                                                                                         []
  Cisco Card:
                                                                    []
  Shared LOM Ext: []
IP (Basic)
                                                                      [X]
                                                                                     IPV6: []
   IPV4:
  DHCP enabled
                                                                    []
  CIMC IP:
                                                                      172.22.251.72
  Prefix/Subnet: 255.255.252.0
                                                                     172.22.248.1
  Pref DNS Server: 0.0.0.0
VLAN (Advanced)
  VLAN enabled:
                                                                     []
  VLAN ID:
  Priority:
<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.

Cisco IMC Configuration Utility Version 2.0 Cisco Systems, Inc. NIC Properties NIC mode NIC redundancy [X] [X] Shared LOM: [] [] Cisco Card: [] [] Shared LOM Ext: [] IP (Basic) [X] IPV6: [] DHCP enabled [] 172.22.251.72 Prefix/Subnet: 255.255.252.0 172.22.248.1 Pref DNS Server: 0.0.0.0 VLAN (Advanced) VLAN enabled: [] VLAN ID: <Up/Down>Selection <F10>Save <Space>Enable/Disable <F5>Refresh <ESC>Exit <F1>Additional settings.

Network settings configured

按F1查看其他设置。现在,它会显示自动协商框(如选中)。

以下是一些快照,显示与1.5(4g)版本固件关联的CIMC配置实用程序的较旧版本。

共享LOM模式如图所示。

CIMC Configuration	on Utility – Version	1.7 Cisco Systems	, Inc.	
				ololololololok
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 Def	ault:[]	
CIMC IP:	10.29.131.127	Default User (Bas	ic)	
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 M	bps]: 100			
Duplex mode[half.	/full]: full			
				ololololololok
<pre><up down="">Selection Network settings</up></pre>	n <f10>Save <spa configured</spa </f10>	ce>Enable/Disable	<f5>Refresh</f5>	<esc>Exit</esc>

#### 专用模式如图所示。

NIC mode Dedicated: [X] Shared LOM: [] Cisco Card: [] Shared LOM Ext: [] IPV4 (Basic) DHCP enabled: [] CIMC IP: 10.29.131. Subnetmask: 255.255.25 Gateway: 10.29.131. VLAN (Advanced) VLAN enabled: [] VLAN ID: 1 Priority: 0 Port Properties Auto Negotiation: [X Speed[1000/100 Mbps]: 10 Duplex mode[half/full]: fu	NIC redundancy None: [X] Active-standby:[] Active-active: [] Factory Defaults CIMC Factory Default:[] .127 Default User (Basic)
Dedicated:         [¥]           Shared LOM:         []           Cisco Card:         []           Shared LOM Ext:         []           Shared LOM Ext:         []           IPV4 (Basic)         DHCP enabled:           DHCP enabled:         []           CIMC IP:         10.29.131.           Subnetmask:         255.255.25           Gateway:         10.29.131.           VLAN (Advanced)         VLAN (Advanced)           VLAN enabled:         []           VLAN ID:         1           Priority:         0           Port Properties           Auto Negotiation:         [X           Speed[1000/100 Mbps]:         10           Duplex mode[half/full]:         full	None: [X] Active-standby:[] Active-active: [] Factory Defaults CIMC Factory Default:[] .127 Default User (Basic)
Shared LOM:[]Cisco Card:[]Shared LOM Ext:[]Shared LOM Ext:[]IPV4 (Basic)DHCP enabled:DHCP enabled:[]CIMC IP:10.29.131.Subnetmask:255.255.25Gateway:10.29.131.VLAN (Advanced)VLAN enabled:VLAN enabled:[]VLAN ID:1Priority:0Port PropertiesAuto Negotiation:[XSpeed[1000/100 Mbps]:10Duplex mode[half/full]:full	Active-standby:[] Active-active: [] Factory Defaults CIMC Factory Default:[] .127 Default User (Basic)
Cisco Card: [] Shared LOM Ext: [] IPV4 (Basic) DHCP enabled: [] CIMC IP: 10.29.131. Subnetmask: 255.255.25 Gateway: 10.29.131. VLAN (Advanced) VLAN enabled: [] VLAN ID: 1 Priority: 0 Port Properties Auto Negotiation: [X Speed[1000/100 Mbps]: 10 Duplex mode[half/full]: fu	Active-active: [] Factory Defaults CIMC Factory Default:[] .127 Default User (Basic)
Shared LOM Ext:[]IPV4 (Basic)DHCP enabled:[]CIMC IP:10.29.131.Subnetmask:255.255.25Gateway:10.29.131.VLAN (Advanced)VLAN enabled:VLAN iD:1Priority:0Port Properties10Auto Negotiation:[XSpeed[1000/100 Mbps]:10Duplex mode[half/full]:full	Factory Defaults CIMC Factory Default:[] .127 Default User (Basic)
IPV4 (Basic) DHCP enabled: [] CIMC IP: 10.29.131. Subnetmask: 255.255.25 Gateway: 10.29.131. VLAN (Advanced) VLAN enabled: [] VLAN ID: 1 Priority: 0 Port Properties Auto Negotiation: [X Speed[1000/100 Mbps]: 10 Duplex mode[half/full]: fu	Factory Defaults CIMC Factory Default:[] 127 Default User (Basic)
DHCP enabled: [] CIMC IP: 10.29.131. Subnetmask: 255.255.25 Gateway: 10.29.131. VLAN (Advanced) VLAN enabled: [] VLAN ID: 1 Priority: 0 Port Properties Auto Negotiation: [X Speed[1000/100 Mbps]: 10 Duplex mode[half/full]: fu	.127 Default User (Basic)
CIMC IP: 10.29.131. Subnetmask: 255.255.25 Gateway: 10.29.131. VLAN (Advanced) VLAN enabled: [] VLAN ID: 1 Priority: 0 Port Properties Auto Negotiation: [X Speed[1000/100 Mbps]: 10 Duplex mode[half/full]: fu	.127 Default User (Basic)
Subnetmask:255.255.25Gateway:10.29.131.VLAN (Advanced)VLAN enabled:[]VLAN ID:1Priority:0Port PropertiesAuto Negotiation:[XSpeed[1000/100 Mbps]:10Duplex mode[half/full]:full	
Gateway: 10.29.131. VLAN (Advanced) VLAN enabled: [] VLAN ID: 1 Priority: 0 Port Properties Auto Negotiation: [X Speed[1000/100 Mbps]: 10 Duplex mode[half/full]: fu	55.0 Default password:
VLAN (Advanced) VLAN enabled: [] VLAN ID: 1 Priority: 0 Port Properties Auto Negotiation: [X Speed[1000/100 Mbps]: 10 Duplex mode[half/full]: fu	.1 Reenter password:
VLAN enabled: [] VLAN ID: 1 Priority: 0 Port Properties Auto Negotiation: [X Speed[1000/100 Mbps]: 10 Duplex mode[half/full]: fu	Port Profile
VLAN ID: 1 Priority: 0 Port Properties Auto Negotiation: [X Speed[1000/100 Mbps]: 10 Duplex mode[half/full]: fu	Reset: []
Priority: 0 Port Properties Auto Negotiation: [X Speed[1000/100 Mbps]: 10 Duplex mode[half/full]: fu	Name:
Port PropertiesAuto Negotiation:[XSpeed[1000/100 Mbps]:10Duplex mode[half/full]:fu	
Auto Negotiation:[XSpeed[1000/100 Mbps]:10Duplex mode[half/full]:fu	
Speed[1000/100 Mbps]: 10 Duplex mode[half/full]: fu	[X]
Duplex mode[half/full]: fu	000
	ull
******	
<up down="">Selection <f10>Sa</f10></up>	

**注意**:您可以看到自动协商框实际上已勾选。

#### 结论

自动协商设置仅在专用模式下可用。只要设置了有效的专用配置,此设置就会启用自身。