配置英特爾無線網絡卡以連線到支援管理幀保護 (MFP)的網路

目標

管理幀保護(MFP)是一種無線功能,可提高管理幀的安全性。其無線標準是IEEE 802.11w-2009或受保護管理幀(PMF),旨在為管理幀提供資料機密性並保護無線連線。此功能僅在接入 點和客戶端都啟用MFP的情況下才起作用。

某些無線客戶端與支援MFP的基礎設施裝置通訊存在某些限制。MFP向每個探測請求或 SSID信標新增一組長資訊元素。某些無線客戶端(如個人數位助理(PDA)、智慧手機、條形碼 掃描器等)記憶體和CPU有限,因此您無法處理這些請求或信標。因此,您完全看不到服務集 識別符號(SSID),或者由於SSID功能不匹配,您無法與這些基礎設施裝置關聯。此問題並非 特定於MFP。具有多個資訊元素(IE)的任何SSID也會出現這種情況。 在即時部署之前,始終 建議使用所有可用的客戶端型別在環境中測試啟用MFP的SSID。

本文提供如何在Windows作業系統上配置英特爾無線網絡卡以連線到支援MFP的接入點的說 明。

附註:您的無線客戶端或作業系統可能支援也可能不支援此功能。有關詳細資訊,請諮詢無線 裝置或作業系統製造商。在此場景中,使用的無線介面卡是Windows 7作業系統上版本為 17.13.0.9的英特爾®雙頻Wireless-N 7265。

適用裝置

- •WAP300系列—WAP361、WAP371
- •WAP500系列—WAP561、WAP571、WAP571E

軟體版本

- 1.2.1.3 WAP371、WAP561
- 1.0.0.17 WAP571、WAP571E
- 1.0.1.6 WAP361

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重要事項:繼續配置步驟之前,請確保您的無線網絡卡驅動程式和作業系統已更新。

步驟1.在基於Windows的無線電腦上,轉到**開始>控制面板>網路和網際網路>網路和共用中心 > 管理無線網路**。



步驟2.在「Manage Wireless Networks(管理無線網路)」螢幕中,按一下Add。

Control Panel	Network and Internet Manage V	Vireless Networks
Manage wireless netwo Windows tries to connect to th	orks that use (Wireless Netwo	ork Connection)
Add Adapter properties Prof	ile types Network and Sharing Cen	ter
Networks you can view, modify, ar	nd reorder (2)	
My Home Network	Security: WPA2-Personal	Type: Any

步驟3.選擇**手動建立網路配置檔案**。

How do you want to add a network?

Manually create a network profile This creates a new network profile or locates an existing network and saves a profile for the network on your computer. You need to know the network name (SSID) and security key (if applicable).



Cancel

步驟4.在Network name欄位中輸入您的SSID。

Manually connect to a wireless network

Enter information for the wireless network you want to add

Network name:	WAP2.4ghz			
Security type:	[Choose an option]			
Encryption type:				
Security Key:		Hide characters		
 Start this connection automatically Connect even if the network is not broadcasting Warning: If you select this option, your computer's privacy might be at risk. 				

<u>ь</u> .		
	1000	

Cancel

步驟5.從「安全型別」下拉選單中選擇安全型別。

附註:在本示例中,選擇了WPA2-Personal。

Manually connect to a wireless network

Enter information for the wireless network you want to add

Network name:	WAP2.4ghz	
Security type:	[Choose an option]	-
Encryption type:	No authentication (Open) WEP	
Security Key:	WPA2-Personal WPA-Personal WPA2-Enterprise	Hide characters
Start this connec	WPA-Enterprise tion at 802.1x	
Connect even if	the network is not broadcasting	

Warning: If you select this option, your computer's privacy might be at risk.



步驟6.(可選)從Encryption type下拉選單中選擇加密型別。預設值為AES。

步驟7.在Security Key欄位中輸入您的無線網路密碼。

Enter information for the wireless network you want to add

Security Key:	•••••		V Hide characters
Encryption type:	AES	•	
Security type:	WPA2-Personal	•	
Network name:	WAP2.4ghz		

Start this connection automatically

Connect even if the network is not broadcasting

Warning: If you select this option, your computer's privacy might be at risk.

Next Cancel	Next		
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步驟8.按一下Next。

步驟9.成功新增網路後,按一下Close。

Successfully added WAP2.4ghz

Change connection settings Open the connection properties so that I can change the settings.

Close

步驟10.按一下右鍵建立的網路配置檔案,然後按一下Properties。

00	- 1 11	Control Panel	 Network and Intern 	iet ► Manage	Wireless Networks
Man Windo	age wi ws tries	reless netwo	orks that use (Winhese networks in the o	reless Netwo	ork Connection) v.
Add Re	move	Move down	Adapter properties	Profile types	Network and Shari
Networks	you can	view, modify, a	nd reorder (3)		
	VAP2.4g	hz	Security: WPA2	-Personal	Type: An
2			Properties		
	Лу Hom	e Network	Remove netwo	ork	Type: An
			Rename		
	nwifi		Move down		Type: An

步驟11.點選Security頁籤。

WAP2.4ghz Wireless Net	work Properties	X
Connection Security		
Security type:	WPA2-Personal 🔹	
Encryption type:	AES 🔻	
Network security key	•••••	
9	Show characters	
Auvanceu setungs		
	OK	ancel

步驟12.從Security type下拉選單中選擇802.11w安全型別。

附註:在本示例中,選擇英特爾 — WPA2/PSK - 802.11w。

WAP2.4ghz Wireless Net	work Properties	×
Connection Security		
Security type:	WDA2 Personal	- II
Security type.	No authentication (Open)	
Encryption type:	Shared WPA2-Personal	
Network security key	WPA-Personal	
9	WPA2-Enterprise	
	802.1X Intel - CCKM -Enterprise	
	Intel - WPA2 - 902 11m Intel - WPA2/PSK - 802.11w	
•		-
Advanced settings		
	ОК	Cancel

步驟13。(可選)從Encryption type下拉選單中選擇加密型別。預設值為AES - CCMP。 步驟14.按一下**Configure**。

WAP2.4ghz Wireless Ne	twork Properties
Connection Security	
Security type:	Intel - WPA2/PSK - 802.11w
Encryption type:	AES - CCMP
	Configure
	OK Cancel

步驟15.出現「Security(安全)」視窗後,輸入無線網路密碼,然後按一下**OK**。

VAP2.4ghz Wireless Net	work Properties	23
Connection Security		
Security type: Encryption type:	Intel - WPA2/PSK - 802.11w AES - CCMP	•
	Configure.	
Security		_
Please enter P	SK key:	
Show Key	OK Cance	
	ОК	Cancel

步驟16.按一下**OK**。

WAP2.4ghz Wireless Net	twork Properties	×
Connection Security		
Security type: Encryption type:	Intel - WPA2/PSK - 802.11w AES - CCMP Configure	
	ОК Са	incel

步驟17.按一下電腦上的無線圖示。它應顯示您已連線到配置的SSID。

Currently connected to:	÷3	-
WAP2.4ghz Internet access		ш
Wireless Network Connec	tion 🔺	
WAP2.4ghz	Connected	
belebc	lie.	
linwifi	lie.	
Genesis_5GHz	lie.	
Genesis	lie.	
Kent_Test5	lie.	
EAnt_Test5	lie.	
EASET		Ŧ
Open Network and Sharing Center		
? • 🖻	all () 2:17 Pl 4/27/20	M 16

現在,您應該已經配置了Intel無線網絡卡以連線到支援MFP的接入點。