Windows Internet連線共用(ICS)資料包捕獲 iPhone流量

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簡介

本文說明如何使用Windows Internet連線共用(ICS)執行IPhone流量的資料包捕獲。

必要條件

需求

本文件沒有特定需求。

採用元件

本文中的資訊係根據以下軟體和硬體版本:

- iPhone 4/4S/5
- Windows 7

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除(預設))的組態來啟動。如果您的網路正在作用,請確保您已瞭解任何指令可能造成的影響。

背景資訊

此過程要求您與iPhone或任何其他Wi-Fi電話(在本文檔中稱為iPhone以簡化操作)共用有線網路連 線。 所有iPhone的流量都通過PC進行分流。當您需要對iPhone流量(Cisco Jabber for iPhone, Android)進行故障排除時,此過程非常有用。

如何使用Windows ICS捕獲iPhone流量

1. 開啟網路連線視窗。您可以從「控制面板」中將其開啟,也可以在Windows命令提示符中鍵入 ncpa.cpl。

💭 🖉 🖡 Control Panel 🔸 All Control Panel Items 🕨 Network Connections 🕨

Organize 🔻		
Name	Status	Device Name
Gisco AnyConnect VPN Client Connection	Disabled	Cisco AnyConnect VPN Virtual Miniport Adapter for Windows x64
Local Area Connection 2	Disabled	Cisco Systems VPN Adapter for 64-bit Windows
# Wireless Network Connection	Not connected	Intel(R) Centrino(R) Ultimate-N 6300 AGN
Local Area Connection	cisco.com	Intel(R) 82579LM Gigabit Network Connection

+ 4+

2. <u>開啟Local Area Connection 屬性,然後按一下Sharing</u>頁籤。

:

111

Organize 👻 Disable this network device	Diagnose this conn	ection	Rename this connection	View status of this connecti
Name .	Status	Devi	ce Name	
Cisco AnyConnect VPN Client Connection	Disabled	Cisco	AnyConnect VPN Virtual Mir	iport Adapter for Windows x64
Local Area Connection 2	Disabled	Cisco	Systems VPN Adapter for 64-	bit Windows
创 Wireless Network Connection	Not connected	Intel	R) Centrino(R) Ultimate-N 630	0 AGN
Local Area Connection	cisco.com	Intel	R) 82579LM Gigabit Network	Connection
Computer's Internet connection	sable the			

3. 開啟Windows命令提示符(您可能需要以管理許可權運行命令提示符)。 然後輸入以下命令



附註:選擇服務集識別符號(SSID)和金鑰。輸入命令後,您將看到一個名為Microsoft虛擬Wi-Fi微型埠介面卡的新網路介面卡彈出視窗。此網路介面卡充當iPhone的Wi-Fi接入點。

 開啟Local Area Connection屬性,然後按一下Sharing頁籤。選中Allow other network to connect through this computer's internet connection複選框,然後為Microsoft Virtual Miniport Adapter選擇適當的無線網路連線。在本示例中,它是Wireless Network Connection 2。

Organize Disable this network device	Diagnose this conn	ection	Rename this connection	View status of this connect
Name	Status	Devic	e Name	
Cisco AnyConnect VPN Client Connection	Disabled	Cisco	AnyConnect VPN Virtual Min	niport Adapter for Windows x6
Local Area Connection 2	Disabled	Cisco	Systems VPN Adapter for 64-	-bit Windows
all Wireless Network Connection	Not connected	Intel(R) Centrino(R) Ultimate-N 63	90 AGN
📱 Local Area Connection	cisco.com	Intel(R) 82579I.M Gigabit Network	Connection
Wireless Network Connection 2	Not connected	Micro	soft Virtual WiFi Miniport Ad	apter
Local Area Connection Properties	×	1		
Local Area Connection Properties Networking Authentication Sharing Internet Connection Sharing Internet Connection Sharing Internet Connection Sharing Allow other network users to connect throug computer's Internet connection Home networking connection: Collect a strate a shared connection:	gh this			
Local Area Connection Properties Networking Authentication Internet Connection Sharing Internet Connection Sharing Allow other network users to connect throug computer's Internet connection Home networking connection: Select a private network connection	gh this			

提示:在建立Microsoft虛擬Wi-Fi微型埠介面卡之前,這可能有助於確保您的主要無線網路連線處於「未連線」狀態。如果連線處於已連線狀態,請按一下右鍵該連線並選擇連線/斷開連

線將其移動到**未連線**狀態。

5. 在命令提示符下輸入此命令。

20)* 🛃	Control Panel An Control P	maring P issued		
Organize 🔻	Disable this network device	Diagnose this conne	ction Rename this connection	on View status of this connectio
Name	<u>^</u>	Status	Device Name	
Cisco Any	Connect VPN Client Connection	Disabled	Cisco AnyConnect VPN Virtua	al Miniport Adapter for Windows 364
Local Area	Connection 2	Disabled	Cisco Systems VPN Adapter fo	or 64-bit Windows
til Wireless N	etwork Connection	Not connected	Intel(R) Centrino(R) Ultimate-I	N 6300 AGN
🕴 Local Area	Connection	cisco.com, Shared	Intel(R) 82579LM Gigabit Netv	vork Connection
I Wireless N	etwork Connection 2	Identifying	Microsoft Virtual WiFi Minipor	rt Adapter
	m			
Administration	m r: Windows Command Processor			
Administrate \>netsh wi e hosted r e SSID of e user key \>netsh wi	m WindowsCommand Processon lan set hostednetwork m network mode has been s the hosted network has y passphrase of the hos lan start hostednetwork	ode-allow ssid et to allow. been successfi ted network has	-"test123" key="Ciscol ully changed. s been successfully ch	23" keyusage-persistent anged.

6. 輸入命令後,Wireless Network Connection 2 狀態顯示為cisco.com

Organize 🔻 Disable this network device	Diagnose this conner	ction Rename this connection View status of this connec
Name	Status	Device Name
Cisco AnyConnect VPN Client Connection	Disabled	Cisco AnyConnect VPN Virtual Miniport Adapter for Windows xt
Local Area Connection 2	Disabled	Cisco Systems VPN Adapter for 64-bit Windows
📶 Wireless Network Connection	Not connected	Intel(R) Centrino(R) Ultimate-N 6300 AGN
Local Area Connection	ciscol.com, Shared	Intel(R) 82579LM Gigabit Network Connection
Mireless Network Connection 2	cisco.com	Microsoft Virtual WiFi Miniport Adapter
Administrator: Windows Command Processor		
Administrator Windows Command Processor >netsh wlan set hostednetwork m e hosted network mode has been s e SSID of the hosted network has e user key passphrase of the hos	ode-allow ssid- et to allow. been successfu ted network has	-"test123" key-"Cisco123" keyusage-persisten ully changed. s been successfully changed.

7. 現在,開啟您的iPhone並連線到SSID。在本示例中,SSID是**test123**。如果未顯示SSID,請 鍵入它。

AT&T 🛜	11:54 AM	45%
Settings	Wi-Fi	_
Wi-Fi		
Choose a Ne	twork 🕴	
ADG		÷ 🧕
blizzard		- 🗢 🧕
guestnet		<u> </u>
jlab		? 0
samAP		# 🗢 🧕
✓ test123		₽ 🗢 📀
Other		>
Ask to Join N	letworks	OFF
Known ne	tworks will t	be joined

- 8. 現在,在您的電腦上開啟Wireshark以檢視您的iPhone流量。
- 9. 如果要移除擷取,請輸入以下命令:



10. 然後,開啟Local Area Connection屬性,然後按一下Sharing頁籤。取消選中Allow other network to connect through this computer's internet connection框。

提示:如果此過程不起作用,請輸入netsh wlan stop hostednetwork,然後輸入netsh wlan start hostednetwork。

相關資訊

- MSDN文章:關於無線託管網路
- 技術支援與文件 Cisco Systems