Windows Internet连接共享(ICS)iPhone流量数据 包捕获

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简介

本文档介绍如何使用Windows互联网连接共享(ICS)对IPhone流量执行数据包捕获。

先决条件

要求

本文档没有任何特定的要求。

使用的组件

本文档中的信息基于以下软件和硬件版本:

- iPhone 4/4S/5
- Windows 7

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原 始(默认)配置。如果您使用的是真实网络,请确保您已经了解所有命令的潜在影响。

背景信息

此过程要求您与iPhone或任何其他Wi-Fi电话(为简单起见,本文档中称为iPhone)共享有线网络连接。 所有iPhone的流量都通过PC转移。当您需要对iPhone的流量(iPhone版Cisco Jabber、 Android版)进行故障排除时,此过程非常有用。

如何使用Windows ICS捕获iPhone流量

1. 打开网络连接窗口。可以从"控制面板"打开它,或在Windows命令提示符下键入ncpa.cpl。

🌍 🖉 🛊 Control Panel 🚯 All Control Panel Items 🚯 Network Connections 🐌

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| Organize 🔻 | | |
|--|---------------|---|
| Name | Status | Device Name |
| Cisco 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 |

- + Search

2. <u>打开"本**地连接"属性**,</u>然后单击"**共享**"选项卡。

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| Organize Disable this network device | Diagnose this conn | ection | Rename this connection | View status of this connect |
|--|--------------------|--------|-------------------------------|------------------------------|
| Name | Status | Devid | te Name | |
| Cisco AnyConnect VPN Client Connection | Disabled | Cisco | AnyConnect VPN Virtual Min | iport 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 630 | 0 AGN |
| Local Area Connection | cisco.com | Intel(| R) 82579LM Gigabit Network (| Connection |
| computer's Internet connection | sable the | | | |
| LINDOLL STREAMINE LINDOWCHING SCREEK | Settings | | | |

3. 打开Windows命令提示符(您可能需要以管理权限运行命令提示符)。 然后,输入以下命令



注意:您选择服务集标识符(SSID)和密钥。输入命令后,您将看到一个名为Microsoft虚拟Wi-Fi微型端口适配器的新网络适配器弹出窗口。此网络适配器用作iPhone Wi-Fi的Wi-Fi接入点。

4. 打开"本地连接"属性,然后单击"共享"选项卡。选中允许其他网络通过此计算机的互联网连接 复选框,然后为Microsoft虚拟微型端口适配器选择适当的无线网络连接。在本例中,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 | Devi | e Name | |
| Cisco AnyConnect VPN Client Connection | Disabled | Cisco | AnyConnect VPN Virtual M | liniport Adapter for Windows x64 |
| Local Area Connection 2 | Disabled | Cisci | Systems VPN Adapter for 6 | 4-bit Windows |
| all Wireless Network Connection | Not connected | Intel | R) Centrino(R) Ultimate-N 6 | 300 AGN |
| Local Area Connection | cisco.com | Intel | R) 825791.M Gigabit Network | k Connection |
| diversity of the second second | | | | |
| Wireless Network Connection 2 | Not connected | Micr | osoft Virtual WiFi Miniport A | dapter |
| Wireless Network Connection 2 Local Area Connection Properties Networking Authentication Sharing Internet Connection Sharing Move other network users to connect throu computer's Internet connection Home networking connection: Salari a solution actually according | Not connected | Mier | osoft Virtual WiFi Miniport A | dapter |
| Wireless Network Connection 2 Local Area Connection Properties Networking Authentication Sharing Internet Connection Sharing Mice of the network users to connect throug computer's Internet connection Home networking connection: Select a private network connection | Not connected | Mier | osoft Virtual WiFi Miniport A | dapter |

提示:在创建Microsoft虚拟Wi-Fi微型端**口适配器之**前,它可**能有助于**确保主无线网络连接处 于未连接状态。如果连接处于连接状态,请右键单击该连接,然后选择"连接/断开 "(**Connect/Disconnect)**,将其移至"未连**接"(Not connected**)状态。 5. <u>在命令提示符下输入此命令。</u>

| Organize - Disable this network device | Diagnose this conne | ction Rename this connection View status of this connectio |
|---|---|---|
| Name | Status | Device Name |
| Cisco 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 |
| all Wireless Network Connection | Not connected | Intel(R) Centrino(R) Ultimate-N 6300 AGN |
| Local Area Connection | cisco.com, Shared | Intel(R) 82579LM Gigabit Network Connection |
| aff Wireless Network Connection 2 | Identifying | Microsoft Virtual WiFi Miniport Adapter |
| | 1 | |
| Administrator: Windows Command Processor | 1 | |
| Administrator: Windows Command Processor \>netsh wlan set hostednetwork e hosted network mode has been | node=allow_ssid | "test123" key="Cisco123" keyusage-persistent |
| Administrator Windows Command Brocesson \>netsh wlan set hostednetwork e hosted network mode has been e SSID of the hosted network ha e user key passphrase of the ho | mode-allow ssid- set to allow. s been successfu sted network has | "test123" key="Cisco123" keyusage-persistent ally changed. s been successfully changed. |

6. 输入命令后,"无线**网络连接2"**状态显示为**cisco.com**

| Organize 👻 Disable this network device | Diagnose this conne | ection Rename this connection View status of this | connecti |
|---|---------------------|---|-----------|
| Name | Status | Device Name | |
| Gisco AnyConnect VPN Client Connection | Disabled | Cisco AnyConnect VPN Virtual Miniport Adapter for Wir | ndows 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, Shared | Intel(R) 82579LM Gigabit Network Connection | |
| aff Wireless Network Connection 2 | cisco.com | Microsoft Virtual WiFi Miniport Adapter | |
| | | | |
| Administraton Windows Command Processor | | | |

7. 现在,打开iPhone并连接到SSID。在本例中,SSID为**test123**。如果未显示SSID,请键入它

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| Settings | Wi-Fi | _ |
| Wi-Fi | | |
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| blizzard | | l 🕈 🧿 |
| guestnet | 1 | ∻ 0 |
| jlab | | ? 📀 |
| samAP | | 🗎 穼 🧿 |
| ✓ test123 | | و ج 🔒 |
| Other | | > |
| Ask to Join | Networks | OFF |
| Known r | networks will b | e joined |

- 8. 现在,在您的PC上打开Wireshark,以查看您的iPhone流量。
- 9. 如果要删除捕获,请输入以下命令:



10. 然后,打开"**本地连接"属性**并单击"共**享"**选项卡。取消选中**允许其他网络通过此计算机的互联** 网连接框。

提示:如果此过程不起作用,请输入netsh wlan stop hostednetwork,然后输入netsh wlan start hostednetwork。

相关信息

- MSDN文章:关于无线托管网络
- <u>技术支持和文档 Cisco Systems</u>