

L2TP/IPSec VPN

客户端配置手册

(Win7/OSX/Android/iPhone/Ubuntu/Win10)

盟智软件（上海）有限公司

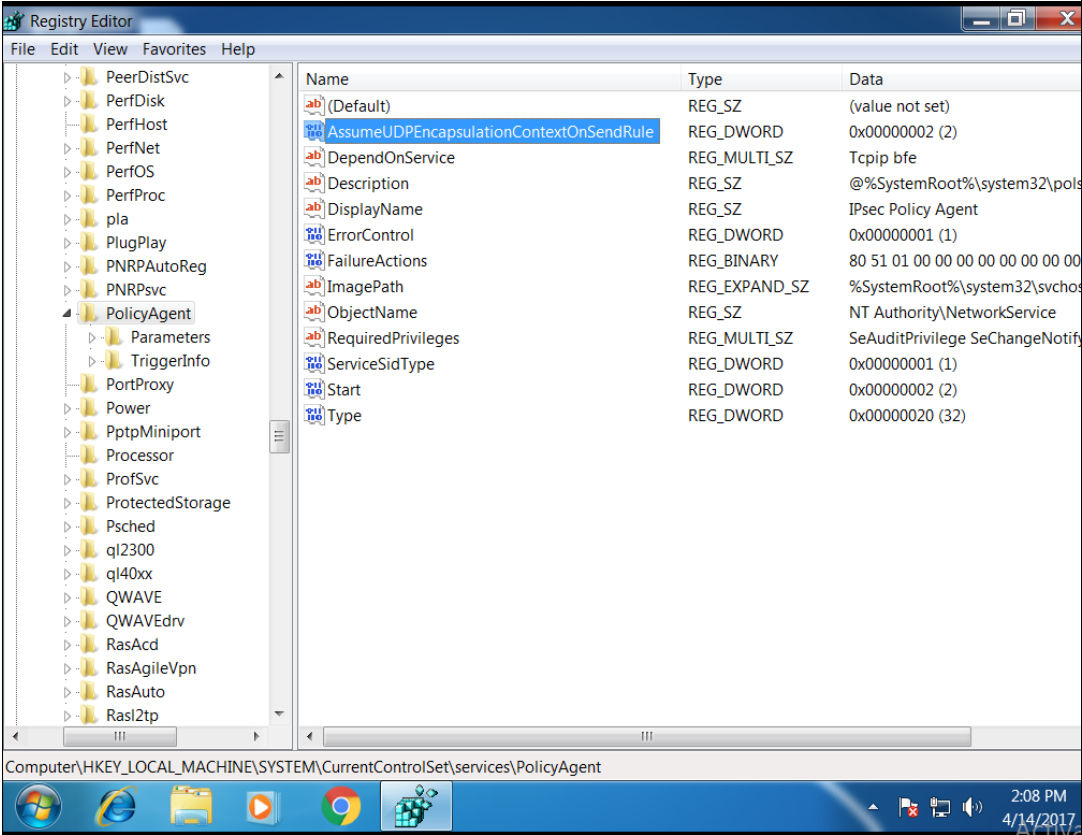
2017/04

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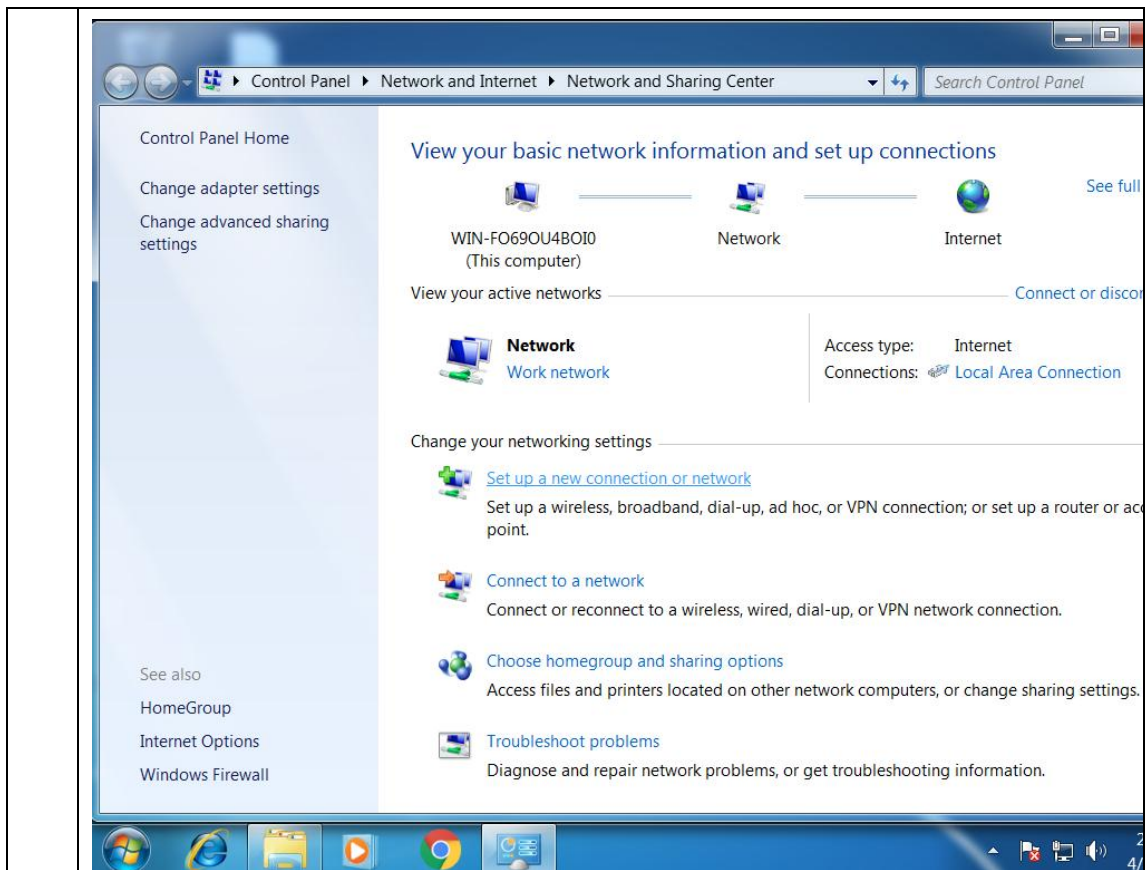
一、Windows 7 配置说明

1.1 注册表修改

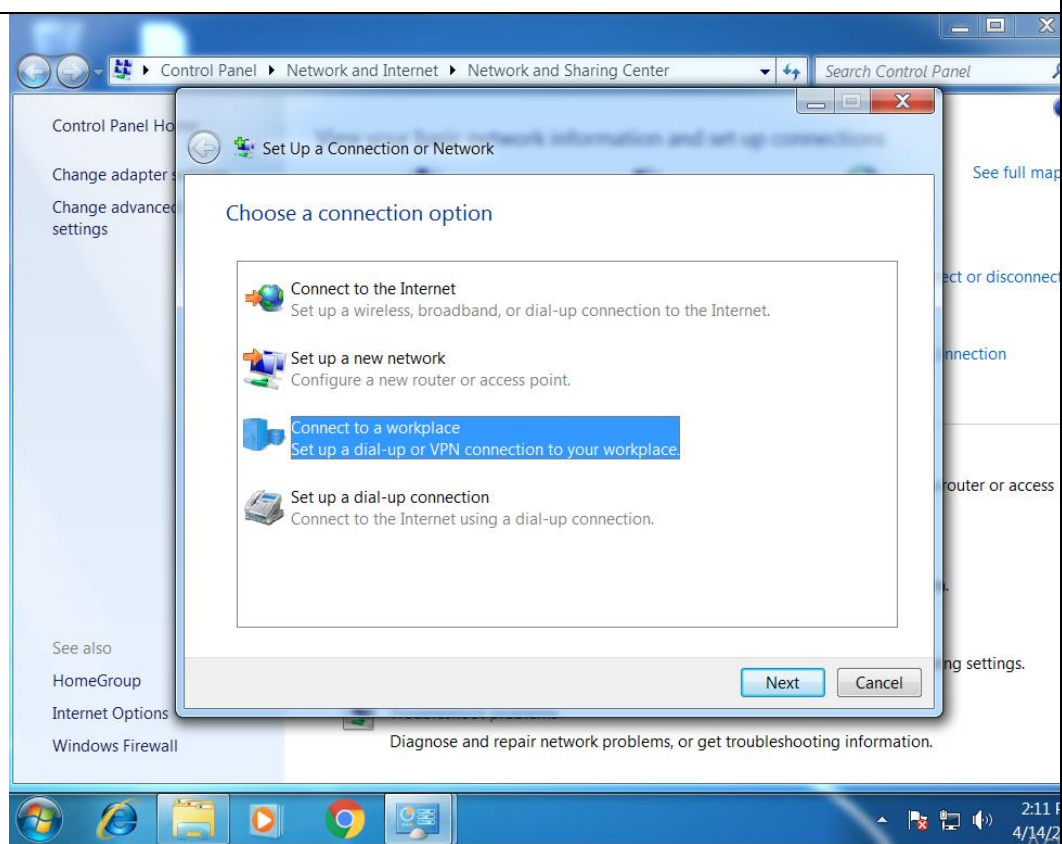
1	在命令行中打开注册表程序 regedit
2	<div>新建一个注册表值如下： [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PolicyAgent] “AssumeUDPEncapsulationContextOnSendRule” =dword:00000002 然后重启机器</div> <div></div>

1.2 创建 VPN 链接

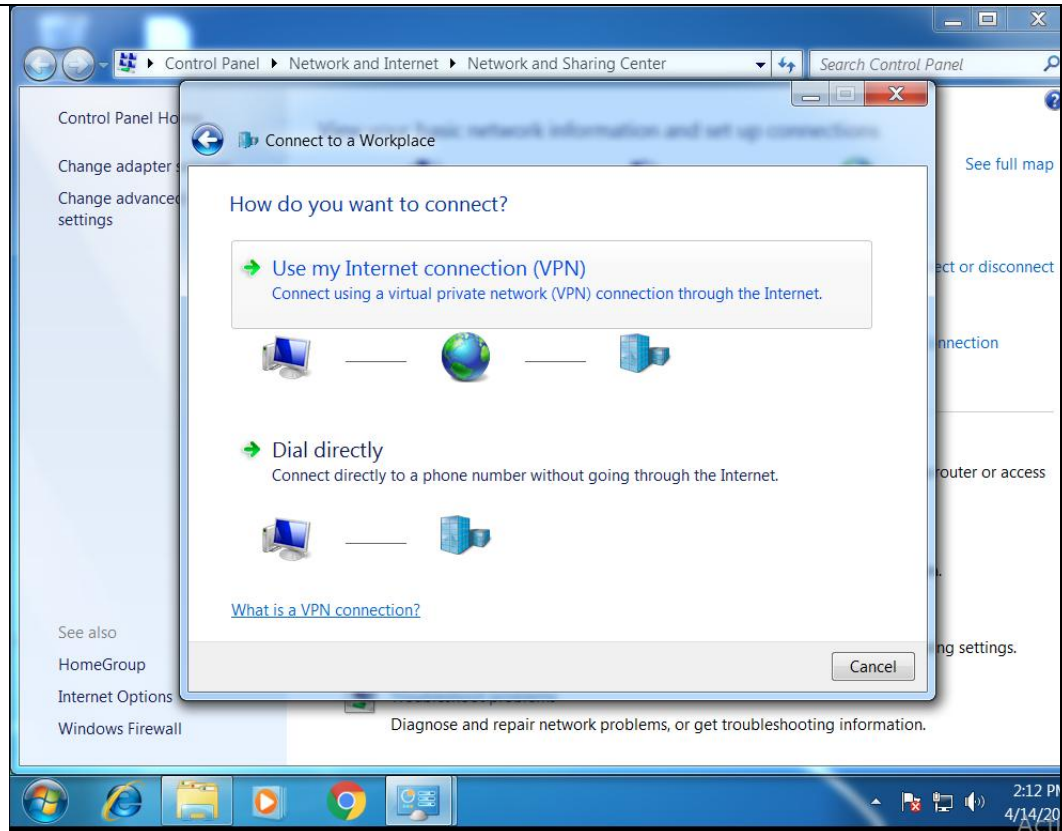
1	选择 set up a new connection or network
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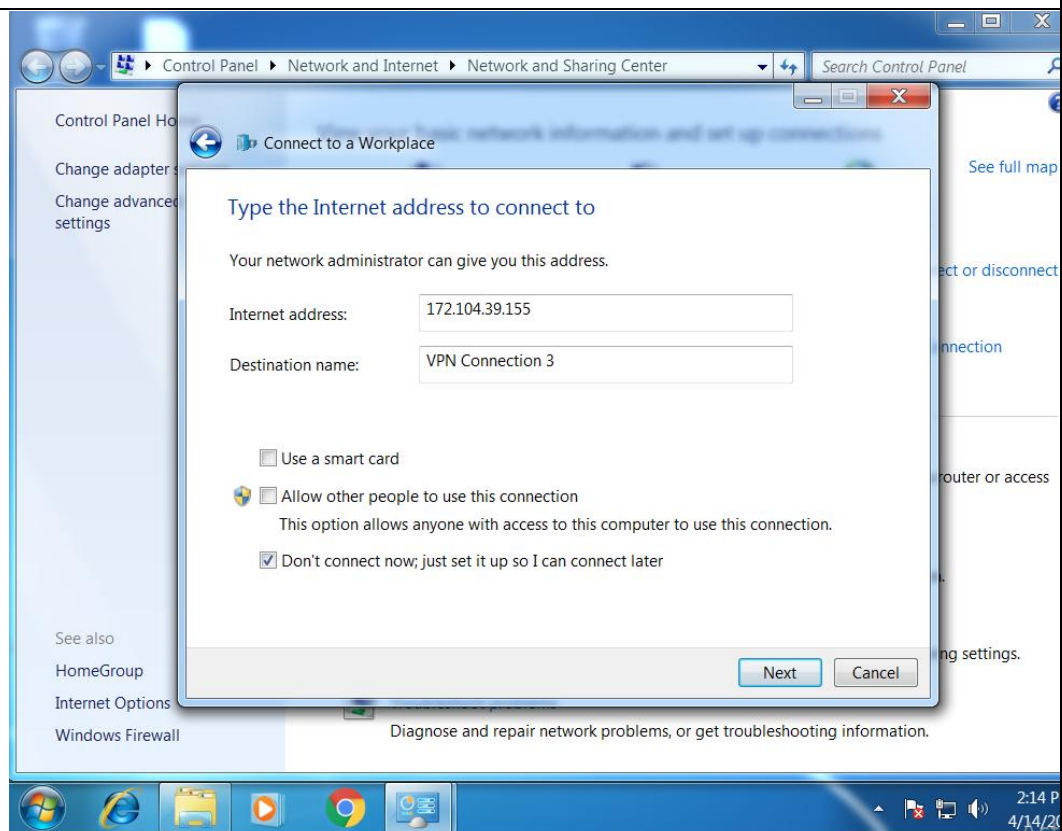
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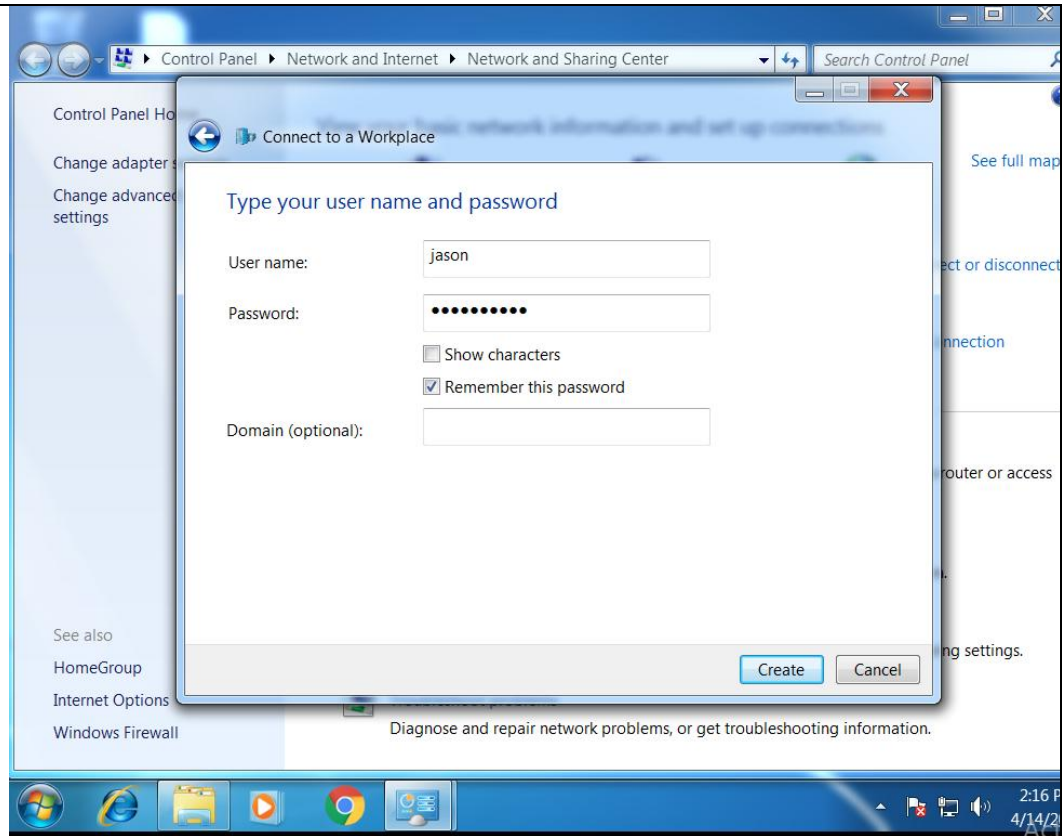
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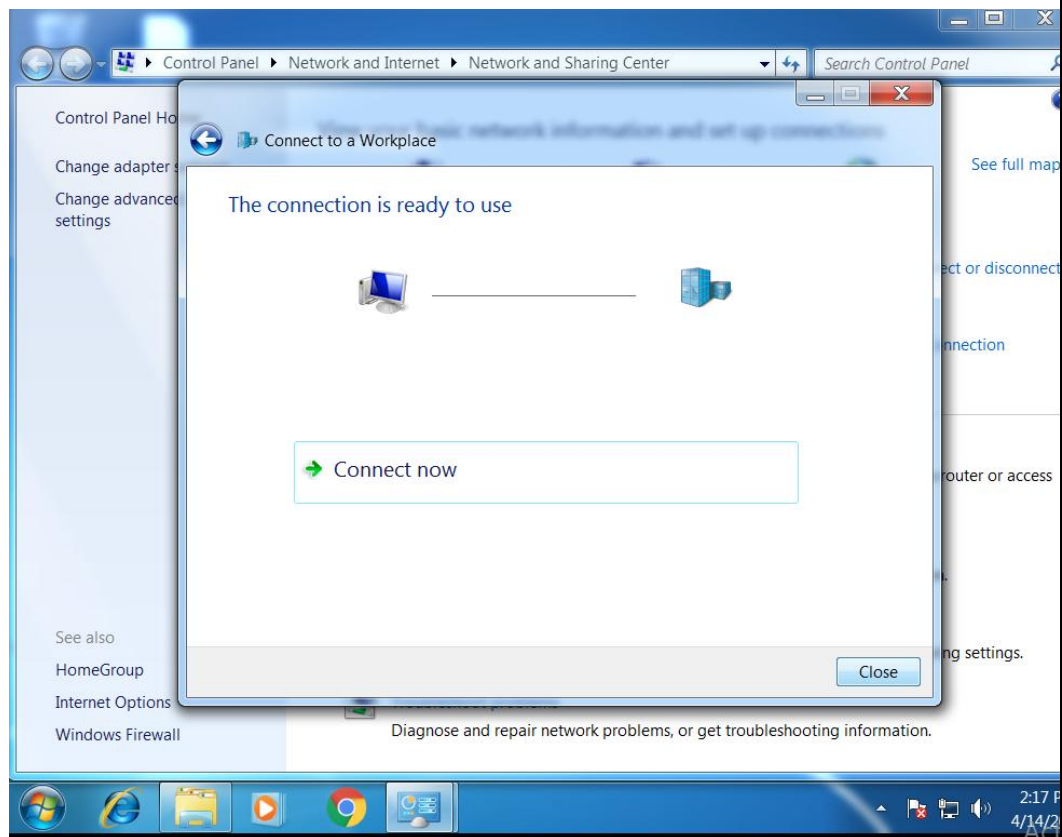
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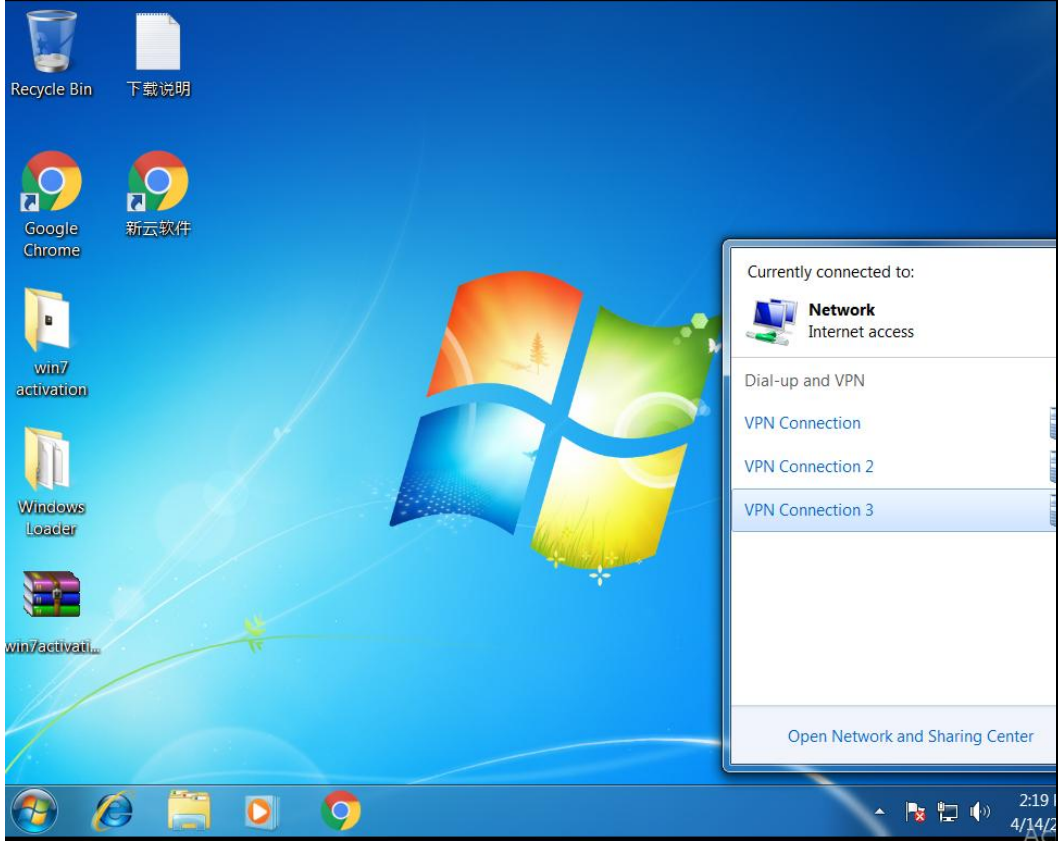


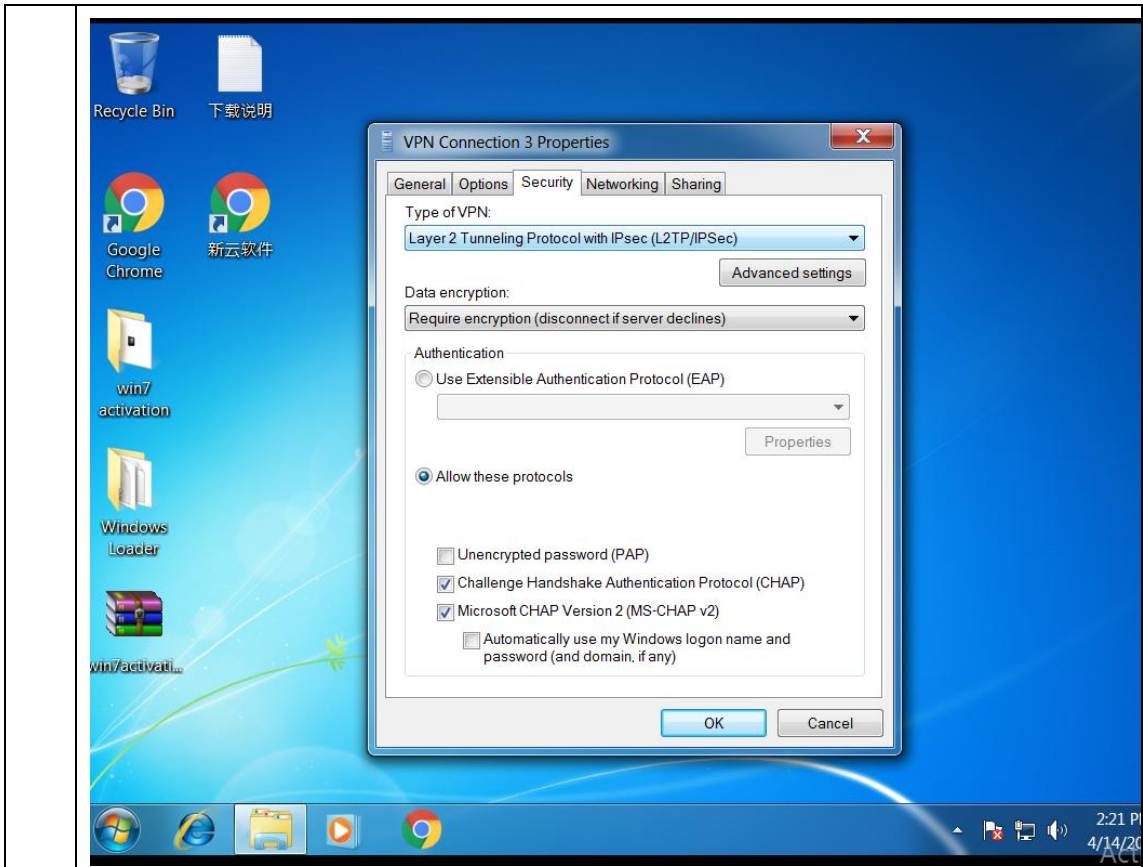
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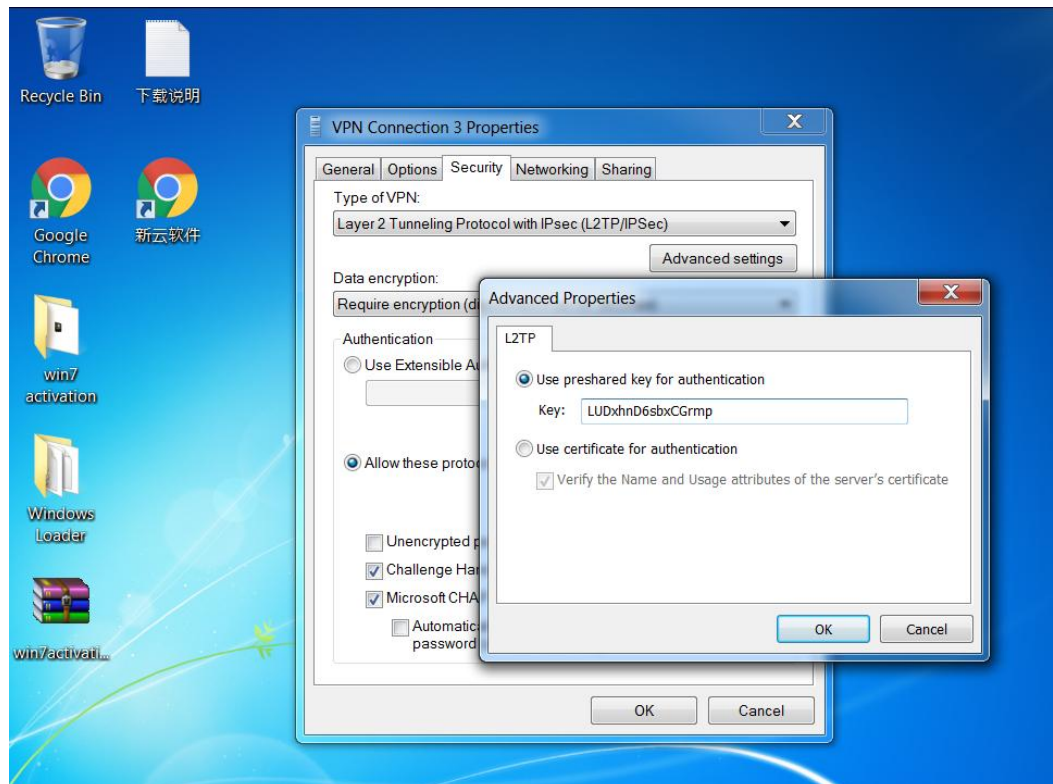
6



7	
8	<p>右击 Vpn Connection3 属性</p> <p>Type of Vpn 选择 l2tp/ipsec</p> <p>Data encryption 选择 Require encryption(disconnect if server declines)</p>



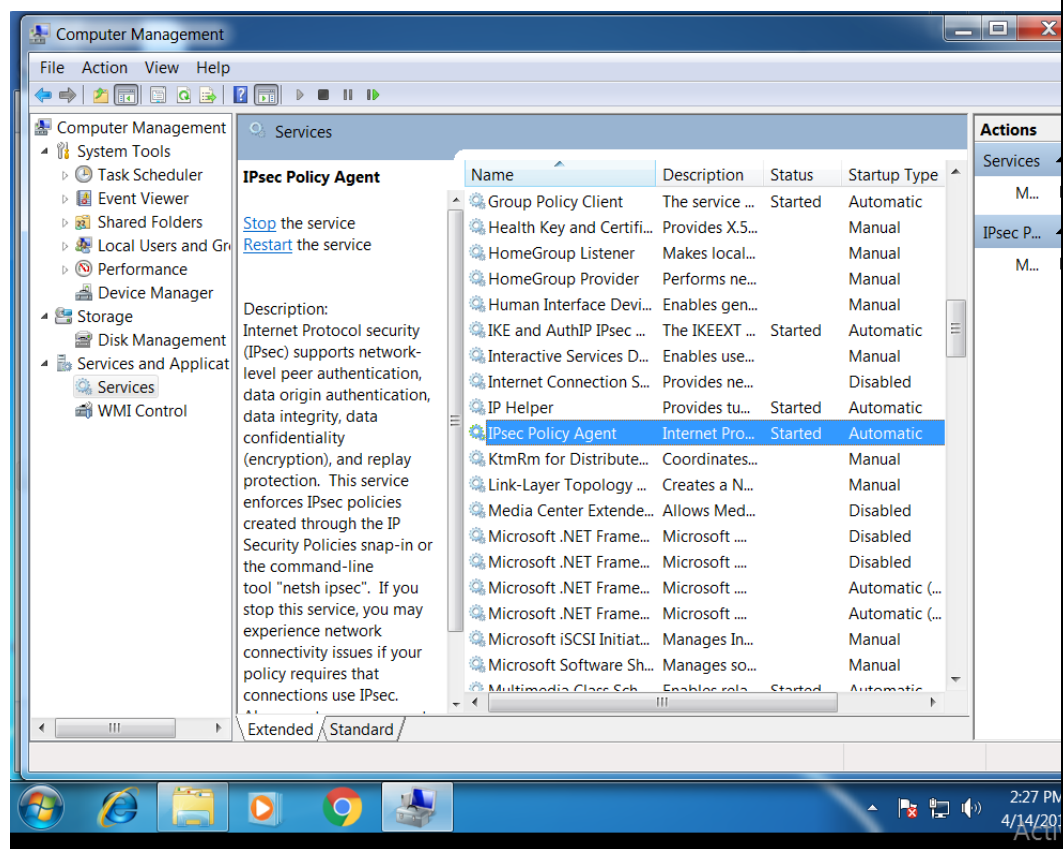
9 点击 Advanced settings 填写 share key



10 右键我的电脑, 选择“管理”

查看服务 ipsec policy Agent 是否在运行

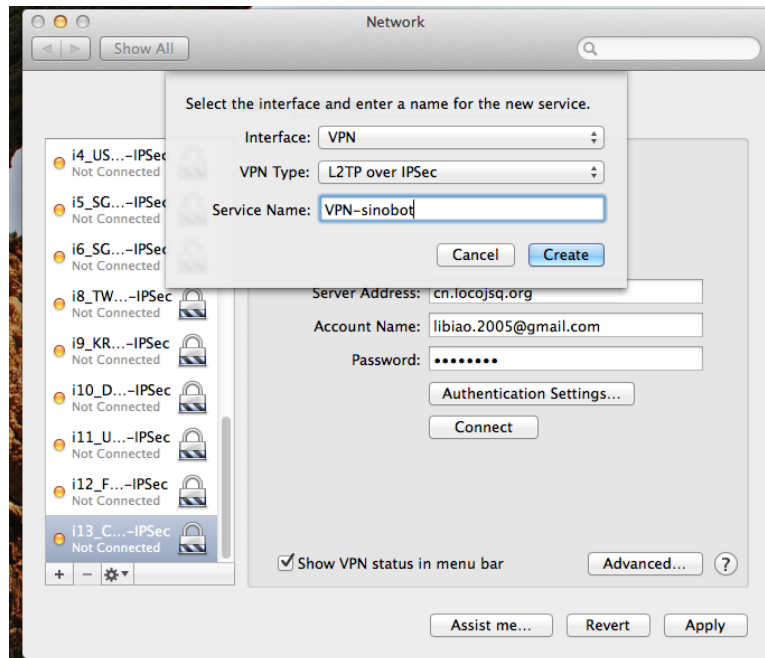
如果是手动，改成自动运行



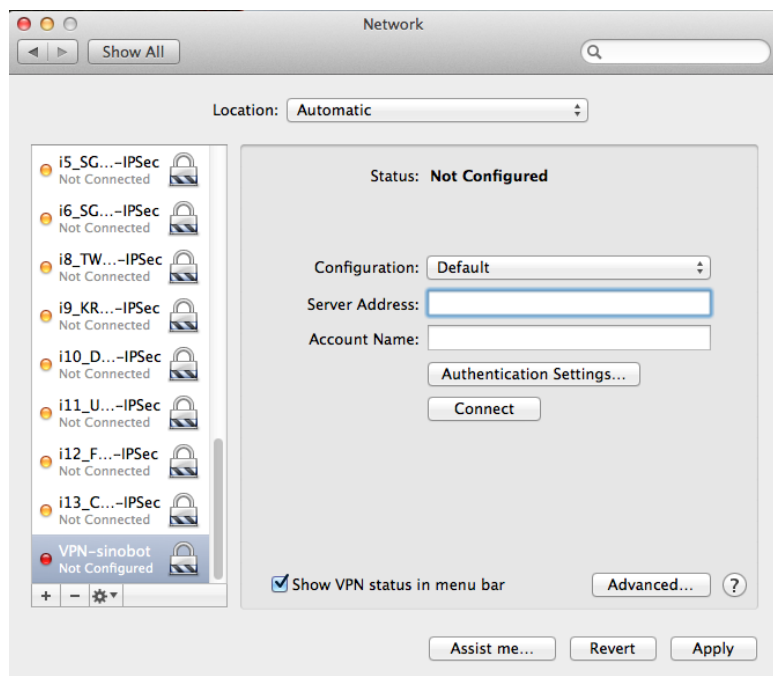
- 11 如果连不上 vpn，让电脑上的第三方杀毒软件、防火墙暂时退出或停止保护，然后重新连接 vpn

二、MAC OS X 的配置说明

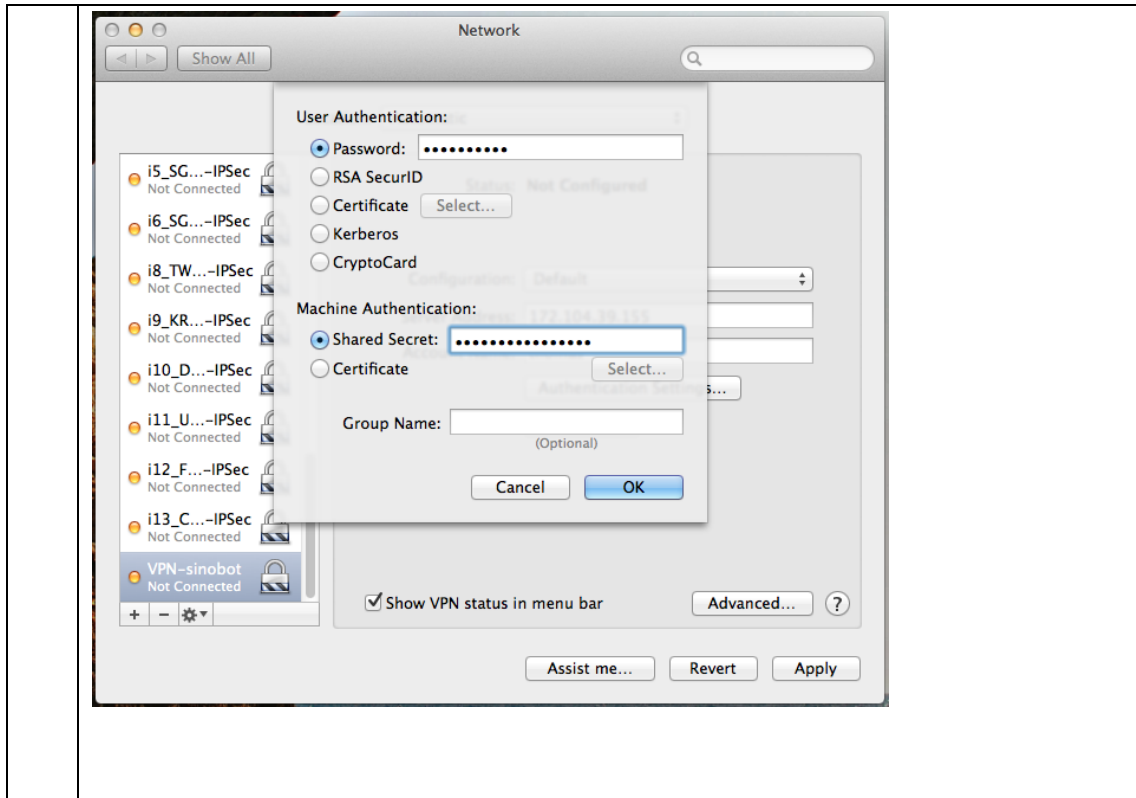
- 1 选择 network，创建 L2TP/IPSEC VPN



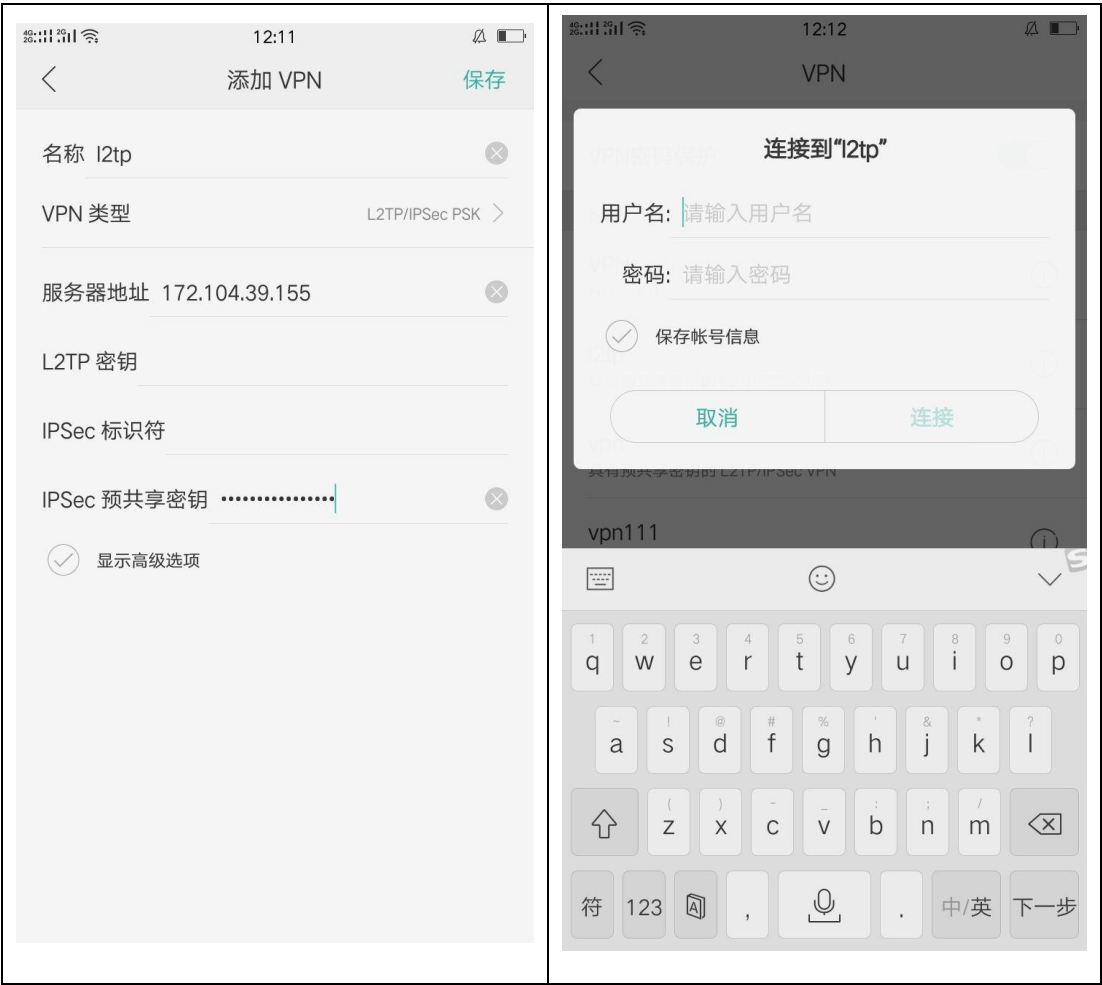
- 2 填写 VPN 服务器地址和账号信息



- 3 点击“Authentication setting”，输入共享密钥和用户密码



三、Android 的配置说明



四、iPhone 的配置说明

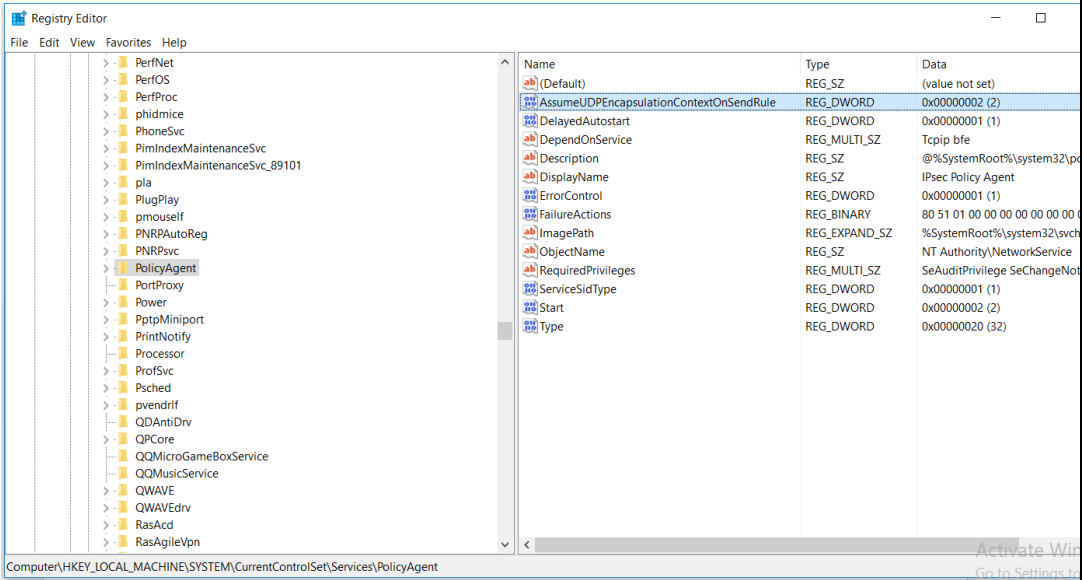


五、Ubuntu 的配置说明

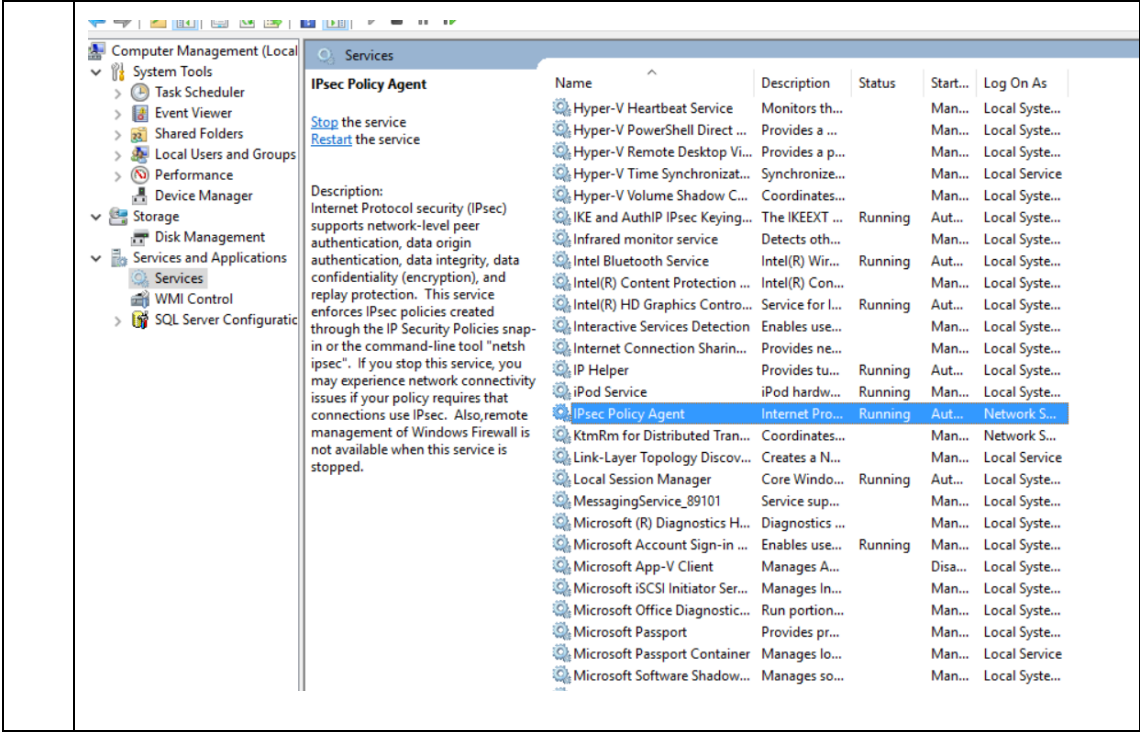
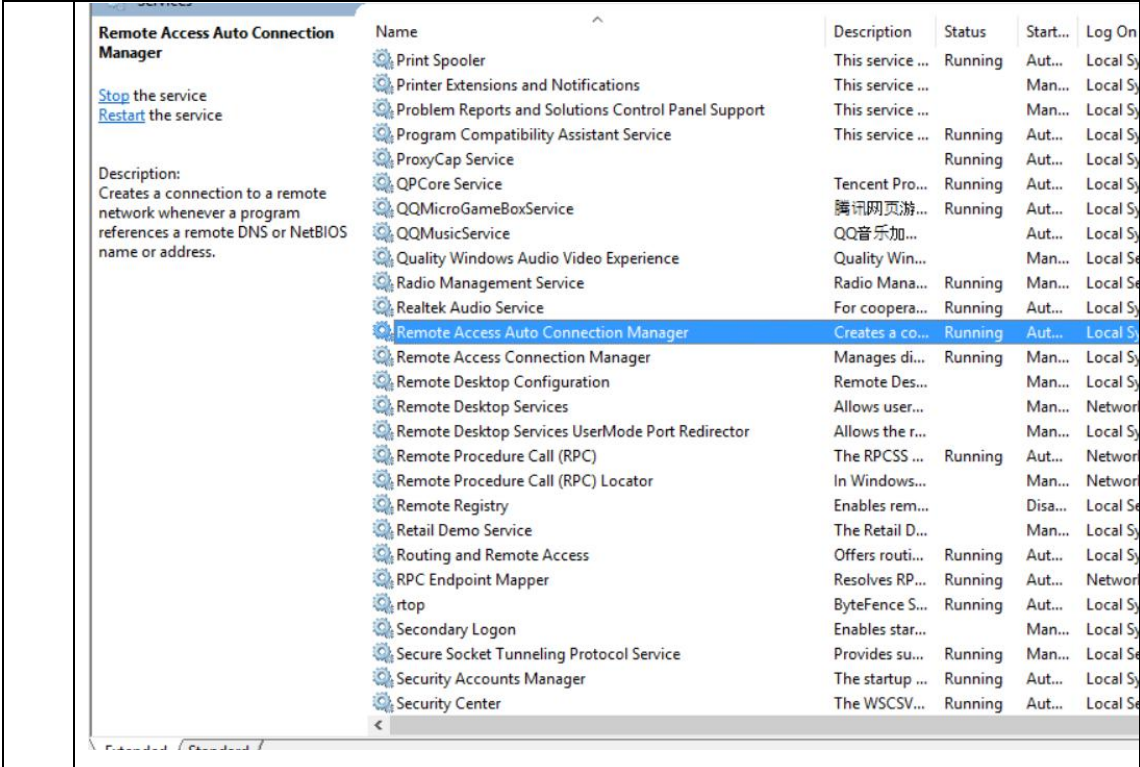
1	<p>在\\192.168.96.18\pub\vpnclient\xl2tp\目录下，有两个脚本</p> <ul style="list-style-type: none">- Install.sh //用来配置 IPSec VPN 客户端- L2tp-vpn.sh //用来建立 VPN 连接和断开连接
2	<p>在运行脚本前，需要提前安装好如下 deb 包</p> <pre>apt-get install iproute pptpd</pre>
3	<p>以 root 权限运行来创建 VPN 链接</p> <pre>bash -x install.sh SinobotVPN 172.104.39.155 <username> <password> <shared key></pre>
4	<p>以 root 权限来链接或断开 VPN</p> <pre>bash -x l2tp-vpn connect SinobotVPN</pre> <pre>bash -x l2tp-vpn disconnect SinobotVPN</pre>

六、Windows 10 的配置说明

1.1 注册表修改

1	在命令行中打开注册表程序 regedit
2	<div>新建一个注册表值如下： [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PolicyAgent] “AssumeUDPEncapsulationContextOnSendRule” =dword:00000002 然后重启机器</div> <div><p>The screenshot shows the Windows Registry Editor window. The left pane displays the tree structure of the registry, with 'Computer\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PolicyAgent' selected. The right pane shows a list of registry values for the 'PolicyAgent' service. The value 'AssumeUDPEncapsulationContextOnSendRule' is highlighted, showing its type as 'REG_DWORD' and its data as '0x00000002 (2)'. The status bar at the bottom confirms the path: 'Computer\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PolicyAgent'.</p></div>

1.2 查看 windows 服务

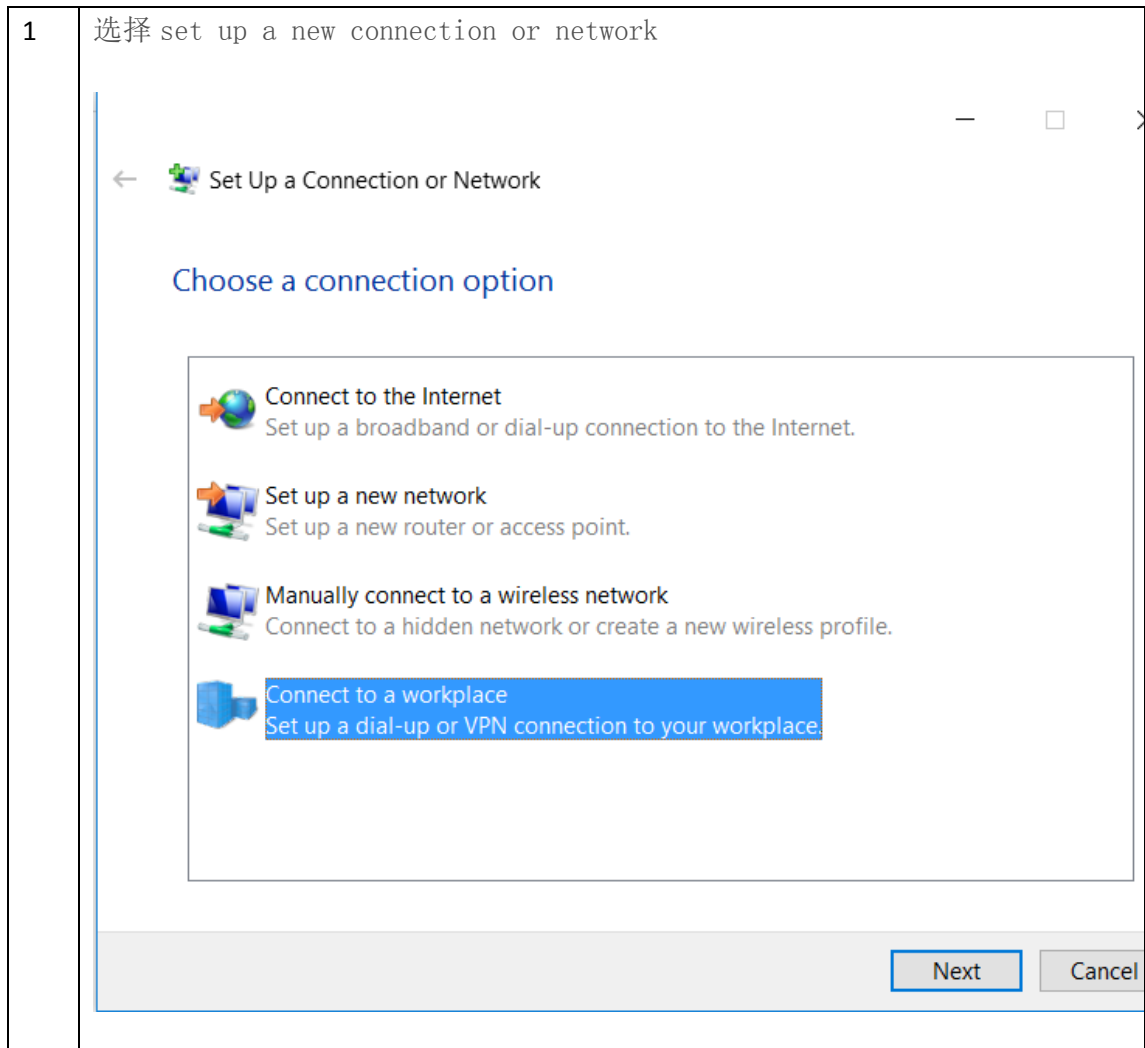
 <p>The screenshot shows the Windows Services console. The left pane displays the 'Services' folder under 'Computer Management (Local)'. The right pane shows the 'IPsec Policy Agent' service. The service is running and its status is 'Running'. The description states: 'Internet Protocol security (IPsec) supports network-level peer authentication, data integrity, data confidentiality (encryption), and replay protection. This service enforces IPsec policies created through the IP Security Policies snap-in or the command-line tool "netsh ipsec". If you stop this service, you may experience network connectivity issues if your policy requires that connections use IPsec. Also, remote management of Windows Firewall is not available when this service is stopped.'</p>		
 <p>The screenshot shows the Windows Services console. The left pane displays the 'Remote Access Auto Connection Manager' service. The right pane shows the service details. The service is running and its status is 'Running'. The description states: 'Creates a connection to a remote network whenever a program references a remote DNS or NetBIOS name or address.'</p>		


<div>Services</div> <div>Remote Access Connection Manager</div> <div>Description: Manages dial-up and virtual private network (VPN) connections from this computer to the Internet or other remote networks. If this service is disabled, any services that explicitly depend on it will fail to start.</div>	<table><tr><th>Name</th><th>Description</th><th>Status</th><th>Start...</th><th>Log On</th></tr><tr><td> Print Spooler</td><td>This service ...</td><td>Running</td><td>Aut...</td><td>Local Sy</td></tr><tr><td> Printer Extensions and Notifications</td><td>This service ...</td><td></td><td>Man...</td><td>Local Sy</td></tr><tr><td> Problem Reports and Solutions Control Panel Support</td><td>This service ...</td><td></td><td>Man...</td><td>Local Sy</td></tr><tr><td> Program Compatibility Assistant Service</td><td>This service ...</td><td>Running</td><td>Aut...</td><td>Local Sy</td></tr><tr><td> ProxyCap Service</td><td></td><td>Running</td><td>Aut...</td><td>Local Sy</td></tr><tr><td> QPCore Service</td><td>Tencent Pro...</td><td>Running</td><td>Aut...</td><td>Local Sy</td></tr><tr><td> QQMicroGameBoxService</td><td>腾讯网页游...</td><td>Running</td><td>Aut...</td><td>Local Sy</td></tr><tr><td> QQMusicService</td><td>QQ音乐加...</td><td></td><td>Aut...</td><td>Local Sy</td></tr><tr><td> Quality Windows Audio Video Experience</td><td>Quality Win...</td><td></td><td>Man...</td><td>Local Se</td></tr><tr><td> Radio Management Service</td><td>Radio Mana...</td><td>Running</td><td>Man...</td><td>Local Se</td></tr><tr><td> Realtek Audio Service</td><td>For coopera...</td><td>Running</td><td>Aut...</td><td>Local Sy</td></tr><tr><td> Remote Access Auto Connection Manager</td><td>Creates a co...</td><td>Running</td><td>Aut...</td><td>Local Sy</td></tr><tr><td> Remote Access Connection Manager</td><td>Manages di...</td><td>Running</td><td>Man...</td><td>Local Sy</td></tr><tr><td> Remote Desktop Configuration</td><td>Remote Des...</td><td></td><td>Man...</td><td>Local Sy</td></tr><tr><td> Remote Desktop Services</td><td>Allows user...</td><td></td><td>Man...</td><td>Network</td></tr><tr><td> Remote Desktop Services UserMode Port Redirector</td><td>Allows the r...</td><td></td><td>Man...</td><td>Local Sy</td></tr><tr><td> Remote Procedure Call (RPC)</td><td>The RPCSS ...</td><td>Running</td><td>Aut...</td><td>Network</td></tr><tr><td> Remote Procedure Call (RPC) Locator</td><td>In Windows...</td><td></td><td>Man...</td><td>Network</td></tr><tr><td> Remote Registry</td><td>Enables rem...</td><td></td><td>Disa...</td><td>Local Se</td></tr><tr><td> Retail Demo Service</td><td>The Retail D...</td><td></td><td>Man...</td><td>Local Sy</td></tr><tr><td> Routing and Remote Access</td><td>Offers routi...</td><td>Running</td><td>Aut...</td><td>Local Sy</td></tr><tr><td> RPC Endpoint Mapper</td><td>Resolves RP...</td><td>Running</td><td>Aut...</td><td>Network</td></tr><tr><td> rtop</td><td>ByteFence S...</td><td>Running</td><td>Aut...</td><td>Local Sy</td></tr><tr><td> Secondary Logon</td><td>Enables star...</td><td></td><td>Man...</td><td>Local Sy</td></tr><tr><td> Secure Socket Tunneling Protocol Service</td><td>Provides su...</td><td>Running</td><td>Man...</td><td>Local Se</td></tr><tr><td> Security Accounts Manager</td><td>The startup ...</td><td>Running</td><td>Aut...</td><td>Local Sy</td></tr><tr><td> Security Center</td><td>The WSCSV...</td><td>Running</td><td>Aut...</td><td>Local Se</td></tr></table> <div>Extended Standard</div>	Name	Description	Status	Start...	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Realtek Audio Service	For coopera...	Running	Aut...	Local System																																																																																																																																									
Remote Access Auto Connection Manager	Creates a co...	Running	Aut...	Local System																																																																																																																																									
Remote Access Connection Manager	Manages di...	Running	Aut...	Local System																																																																																																																																									
Remote Desktop Configuration	Remote Des...		Man...	Local System																																																																																																																																									
Remote Desktop Services	Allows user...		Man...	Network S...																																																																																																																																									
Remote Desktop Services UserMode Port Redirector	Allows the r...		Man...	Local System																																																																																																																																									
Remote Procedure Call (RPC)	The RPCSS ...	Running	Aut...	Network S...																																																																																																																																									
Remote Procedure Call (RPC) Locator	In Windows...		Man...	Network S...																																																																																																																																									
Remote Registry	Enables rem...		Disa...	Local Servi																																																																																																																																									
Retail Demo Service	The Retail D...		Man...	Local System																																																																																																																																									
Routing and Remote Access	Offers routi...	Running	Aut...	Local System																																																																																																																																									
RPC Endpoint Mapper	Resolves RP...	Running	Aut...	Network S...																																																																																																																																									
rtop	ByteFence S...	Running	Aut...	Local System																																																																																																																																									
Secondary Logon	Enables star...		Man...	Local System																																																																																																																																									
Secure Socket Tunneling Protocol Service	Provides su...	Running	Man...	Local Servi																																																																																																																																									
Security Accounts Manager	The startup ...	Running	Aut...	Local System																																																																																																																																									
Security Center	The WSCSV...	Running	Aut...	Local Servi																																																																																																																																									

这几个服务开启，手动改成自动

1.3 创建 VPN 链接



←  Connect to a Workplace

How do you want to connect?

→ Use my Internet connection (VPN)

Connect using a virtual private network (VPN) connection through the Internet.

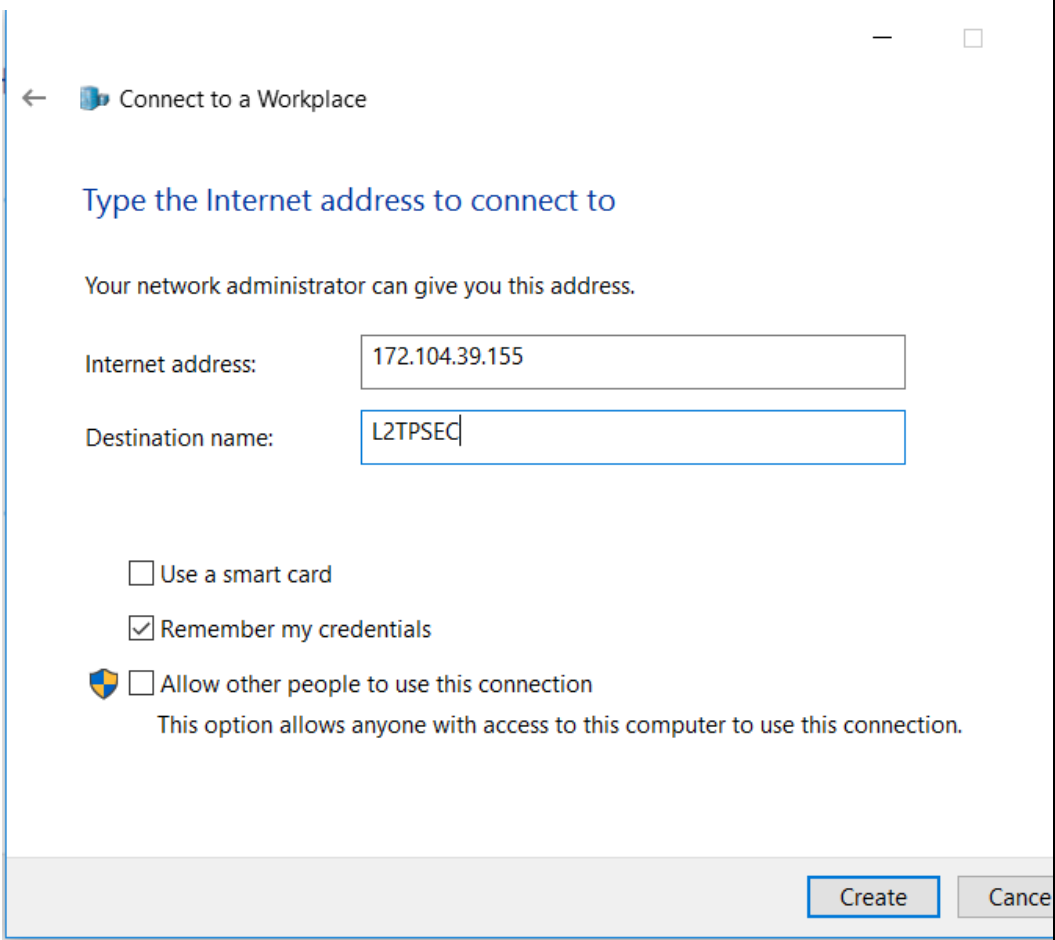




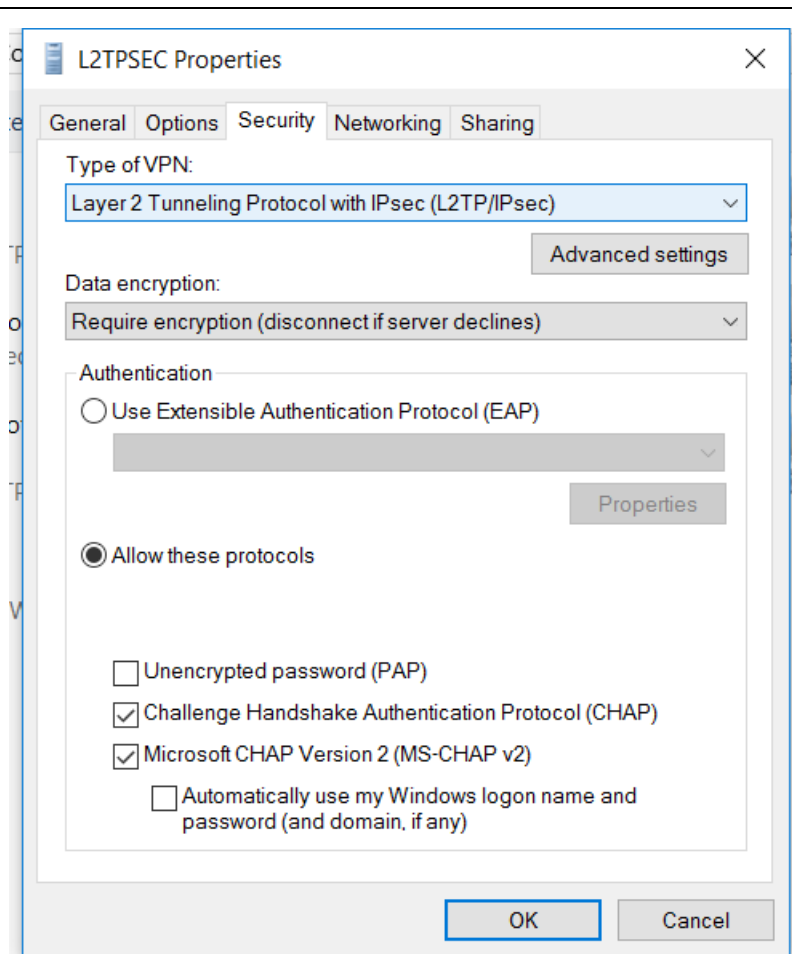
→ Dial directly

Connect directly to a phone number without going through the Internet.

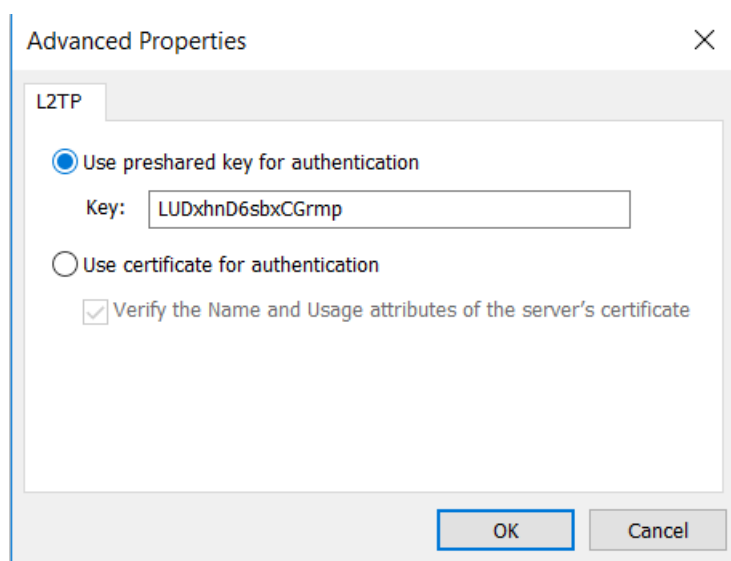


Cancel

	 <p>←  Connect to a Workplace</p> <p>Type the Internet address to connect to</p> <p>Your network administrator can give you this address.</p> <p>Internet address: <input type="text" value="172.104.39.155"/></p> <p>Destination name: <input type="text" value="L2TPSEC"/></p> <p><input type="checkbox"/> Use a smart card</p> <p><input checked="" type="checkbox"/> Remember my credentials</p> <p> <input type="checkbox"/> Allow other people to use this connection</p> <p>This option allows anyone with access to this computer to use this connection.</p> <p><input type="button" value="Create"/> <input type="button" value="Cancel"/></p>
2	<p>创建完 vpn 后，修改属性参数</p> <ul style="list-style-type: none"> ✧ Type of VPN 为 L2TP/IPsec ✧ Data encryption 设置为 Require encryption(disconnect if server declines) ✧ 选择 Allow these procols ✧ 选择 Challenge Handshake Authentication Protocol



点击“Advanced setting”进入新的页面配置 shared key



然后编辑 VPN 链接的属性，填写用户名密码保存

Edit VPN connection

Server name or address

172.104.39.155

VPN type

L2TP/IPsec with pre-shared key

Pre-shared key

.....

Type of sign-in info

User name and password

User name (optional)

jason

Password (optional)

.....

☒ Remember my sign-in info

Save

Cancel

1.4 查看防火墙

vpn 连接不上请关闭防火墙，杀毒软件防火墙,如 windows 防火墙,360 等重新连接