

How to set up test environment to test mobile applications for foreign countries

What you will need:

* A Windows laptop with working Ethernet port (for LAN connection) and Wireless Connection
* VPN software and active account
* Virtual Router software (for Windows PC)

How to set it up:

Install required software on the Laptop:

* Install [Virtual Router](https://virtualrouter.codeplex.com/) software.
* Install VPN software on Laptop1 (HMA VPN pro).

On the laptop, connect to connection using Ethernet port (wired connection) and disconnect any WiFi connection if it is connected to any SSID (Do not turn off WiFi, just disconnect). So, the let top connections should be in below statuses.

* Ethernet port - Connected to internet using LAN cable
* WiFi - disconnected state (not turning OFF state)

Before VPN connection is created

* Remember your current laptop connection status at "**Control Panel\Network and Internet\Network Connections**" OR "**Control Panel\All Control Panel Items\Network and Sharing Center"**
* Machine generated alternative text:
  New.'. 
  Netwom 
  Organize 
  L' Bluetooth Network Connection 
  Not connected 
  Bluetooth Device (Personal Area 
  Local Area Connection 
  office.comscore.com 
  Intel(R) Ethernet Connection (3) 12... 
  Wireless Network Connection 
  Not connected 
  Intel(R) Dual Band Wireless-AC 72... 
  Search Network Connections 
  Cisco AnyConnect Secure Mobility 
  Client Connection 
  Disabled 
  Mobile Broadband Connection 
  Not connected 
  X Dell Wireless . 

* Machine generated alternative text:
  View your basic network information and set up connections 
  See full map 
  CSVABOO 
  (This computer) 
  View your active networks 
  office.comscore.com 
  office.comscore.com 
  Access type: 
  Internet 
  Connect or disconnect 
  Internet 
  Domain network 
  Change your networking settings 
  •u' Set up a new connection or network 
  Connections: Local Area Connection 
  Set up a wireless, broadband, dial up, ad hoc, or VPN connection; or set up a router or access 
  point. 
  Connect to a network 

Connect the laptop to the test country VPN server using VPN software.

* Using VPN software, connect to your test country VPN.
* Once VPN connection is created, you should see the new connection is created by VPN software in connection status at "**Control Panel\Network and Internet\Network Connections**" OR "**Control Panel\All Control Panel Items\Network and Sharing Center"**. In the example below, the new connection is "Local Area Connection 4" (connection name may be different on your laptop)
* Machine generated alternative text:
  New.'. 
  Network . 
  Organize 
  Bluetooth Network Connection 
  Not connected 
  Bluetooth Device (Personal Area 
  Local Area Connection 
  office.comscore.com 
  Intel(R) Ethernet Connection (3) 12... 
  Mobile Broadband Connection 
  Not connected 
  X Dell Wireless . 
  Search Network Connections 
  Cisco AnyConnect Secure Mobility 
  Client Connection 
  Disabled 
  Local Area Connection 4 
  Unidentified network 
  HMA TAP-Windows Adapter V9 
  Wireless Network Connection 
  Not connected 
  Intel(R) Dual Band Wireless-AC 72... 

* Machine generated alternative text:
  Control Panel 
  Home 
  ass networks 
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  All Control Panel Items 
  Netlvork and Sharing Center 
  Search Control Panel 
  View your basic network information and set up connections 
  See full map 
  CSVABOO 
  (This computer) 
  View your active networks 
  office.comscore.com 
  Domain network 
  Unidentified network 
  Multiple networks 
  Access type: 
  Internet 
  Connect or disconnect 
  No Internet access 
  Connections: Local Area Connection 
  Access type: 
  Internet 
  Connections: Local Area Connection 4 
  Public network 
  Change your networking settings 
  Set up a new connection or network 
  Set up a wireless, broadband, dial up, ad hoc, or VPN connection; or set up a router or access point. 

* Verify the IP address after VPN connection is established (<http://whatismyipaddress.com/>) and make sure your IP is from your test country.

Create a Virtual WiFi Hotspot on **the laptop** using Virtual Router Manager

* Launch the Virtual WiFi Manager application
* In the Settings: enter Network Name (SSID) name (This will be your virtual WiFi hotspot SSID)
* Create a password for your virtual WiFi hotspot in the "Password:" field
* In the Shared Connection dropdown menu, select the connection created by VPN software. In the above example, it is "Local Area Connection 4"
* Machine generated alternative text:
  Virtual Router Manager v1.O 
  Virtual Router Manager v1.O 
  Settings 
  Network Name (SSID): My WiFi 
  Password: 
  Shared Connection: 
  test1234 
  Local Area Connection 4 
  Start Virtual Router 
  Peers Connected (0): 
* Click on "Start Virtual Router"
* Connect your test device to the WiFi hotspot (My\_WiFI) that you just created in above step using Virtual Router for testing in your test foreign country.