First, install rinetd (<http://www.boutell.com/rinetd/>)

* Linux: either download it from the link above, or, in a terminal in Ubuntu, enter "sudo apt-get install rinetd". The command could be different in other Linux distros...
* Windows: download from the link above (but it only says 95/98/NT..)

Next, set up a port redirection in the emulator:

* start your AVD
* in a terminal, enter "telnet localhost 5554" (or whatever the port for your avd is)
* once connected by telnet, enter "redir add <protocol>:<host port>:<emu port>" (e.g., "redir add tcp:9200:9090" to forward tcp data sent to port 9200 on the host to port 9090 in the emulator)

Configure rinetd:

* Edit the file /etc/rinetd.conf and add the line "<host ip> <host port> 127.0.0.1 <localhost port>". So if your host computer's IP address is 123.45.67.89 and you want to use port 5000 and then forward it to 127.0.0.1:5000, "123.45.67.89 5000 127.0.0.1 5000"

**How to configure rinetd**

**(when done, check in powershell:** netstat -an | more)

Rinetd purpose is to redirects the TCP connections from one IP address and port to another. Since rinetd runs as a single process using nonblocking I/O, it is able to redirect a large number of connections without a severe impact on the machine. This article will shows how you can do port-forwarding with rinetd on Windows operating system such as windows xp, windows server 2008 server, windows server 2003 and etc. Please follow below steps:

1. Download [rinetd](http://www.boutell.com/rinetd/http/rinetd.zip)

2. Configure **rinetd.conf** as per below

Please create **rinetd.conf** and put it in C:\rinetd folder, together with **rinetd.exe**

192.168.2.2 80 192.168.2.5 80

You will redirect ip 192.168.2.2 with port 80 to 192.168.2.5 with port80

C:\>cd rinetd

3. Run rinetd (manually).

C:\rinetd>rinetd.exe -c rinetd.conf

We can also create a batch file, and call **rinetd-run.bat** to start rinetd with a click:

@echo off

c:

cd c:\rinetd\rinetd

start c:\rinetd\rinetd.exe -c c:\rinetd\rinetd.conf

Exit