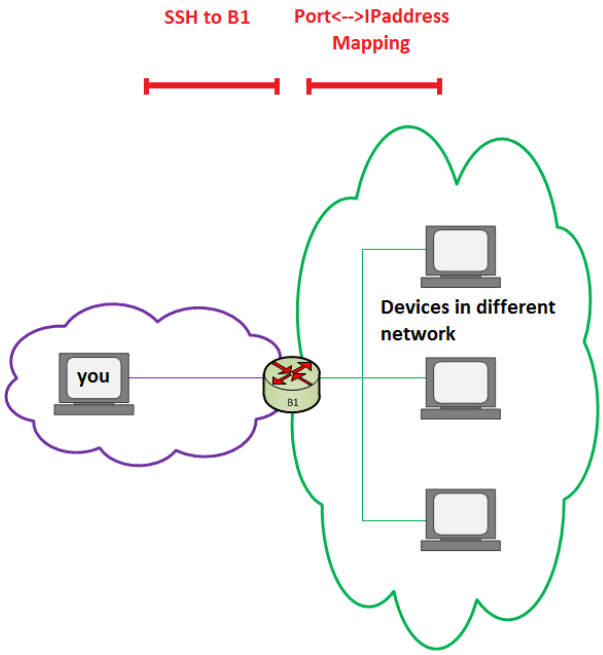
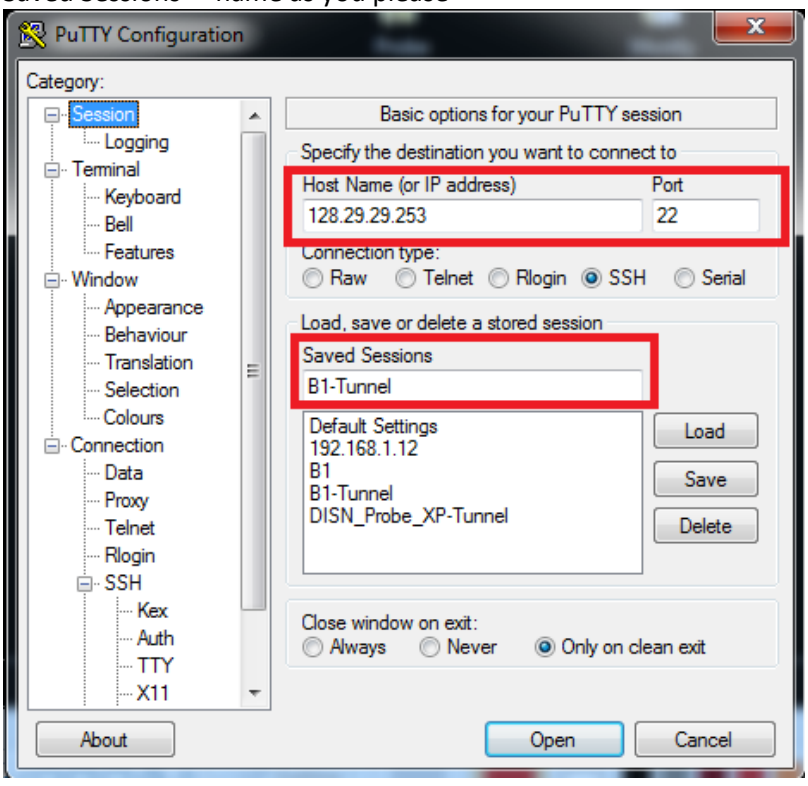
Setting up the SSH Tunnel

This process enables you to connect from local host to a remote host residing on a different network



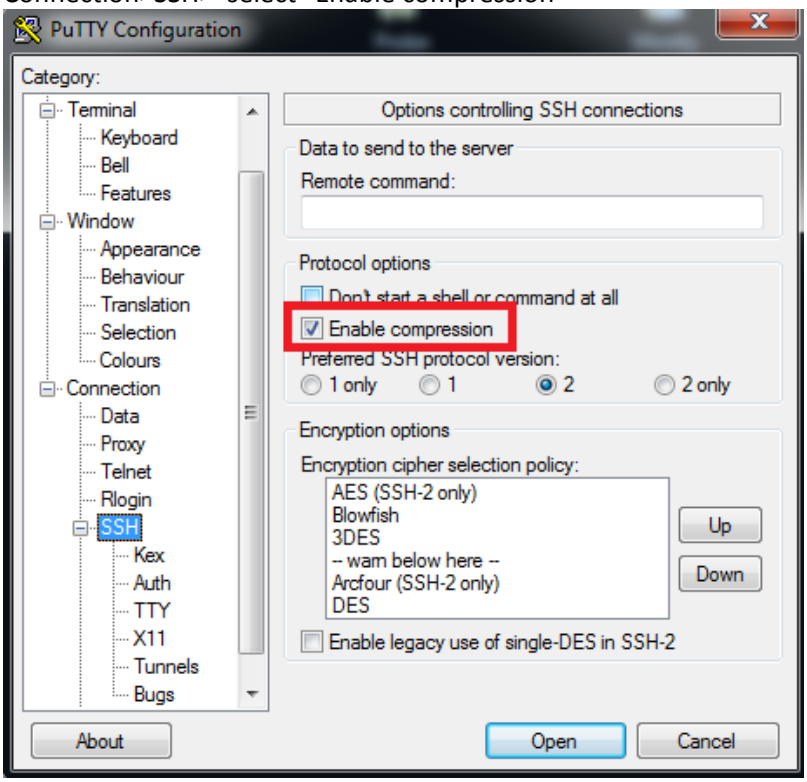
Creating SSH Connection

Host Name = Router's IP Address seen by local host.
Port = 22 (SSH)
Saved Sessions = name as you please

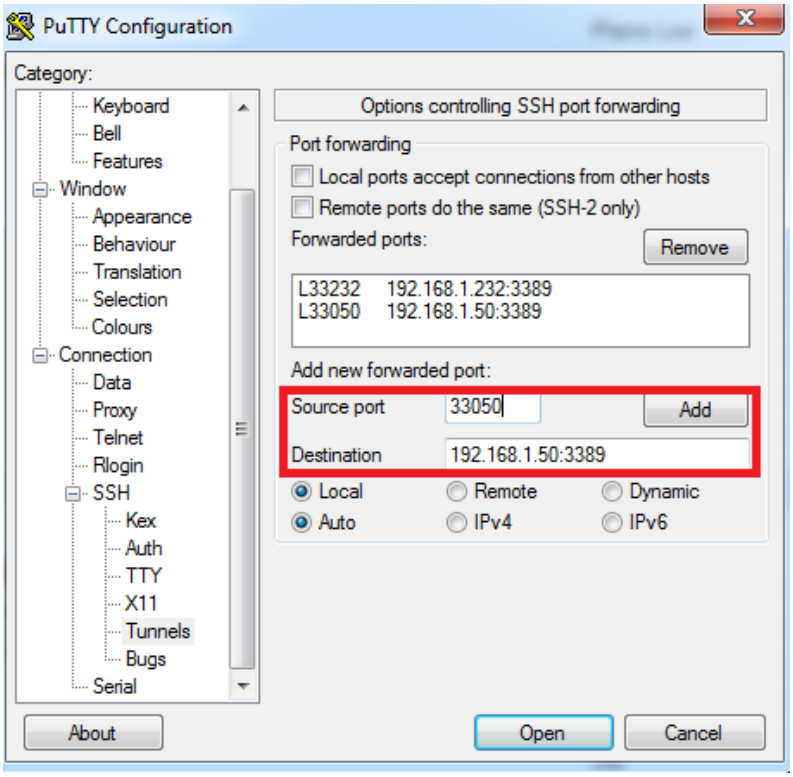


Configuring Port<-->IP Mapping

Connection>SSH> select "Enable compression"



Connection>SSH> Tunnels>

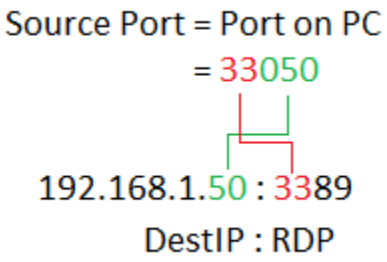


Note: the source port can be any number that does not create conflict with other source ports. Hence, make it a unique source port for each device and do not use any of the common TCP/UDP ports.

The following is a good convention for Source Port numbering.

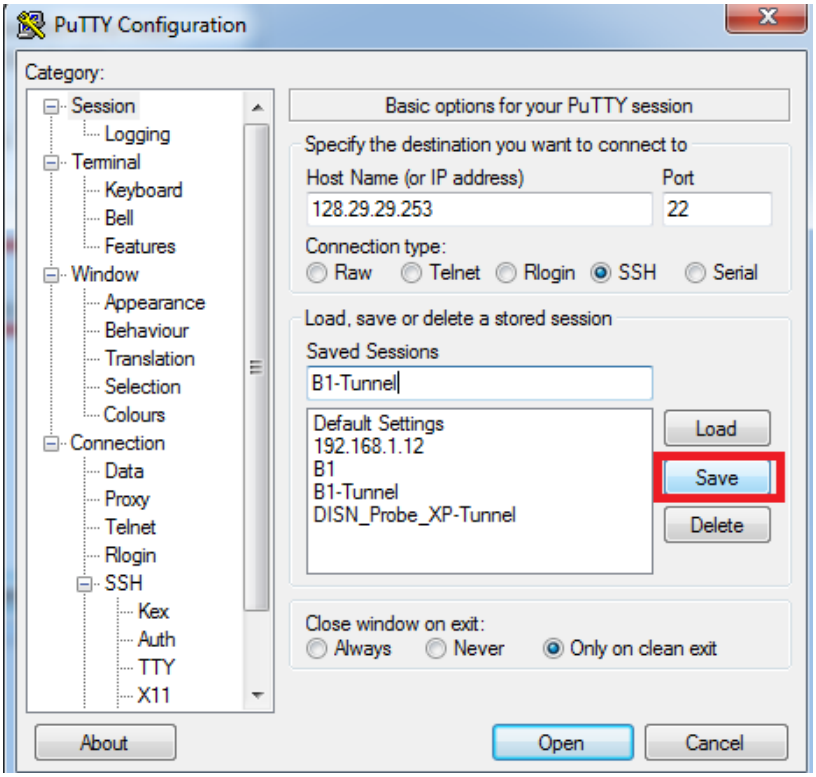
Ex:
Source port: 33050 (33|050 = 33(1st 2 digits of RTP TCP socket, 3389 | 050(192.168.1.50))
Destination: 192.168.1.50:3389 (3389 = TCP socket for Remote Desktop Protocol))

Press Add

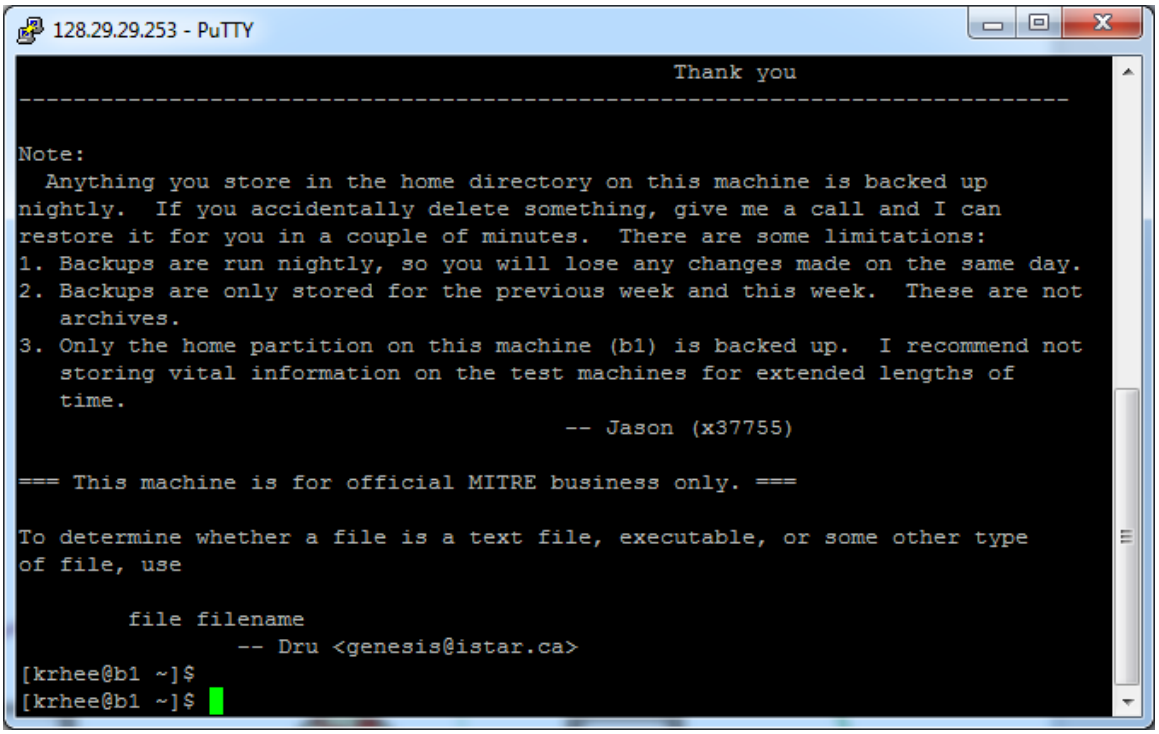


Note: You can add multiple mapping as long as the remote device is in the same remote network.

@Session
Save

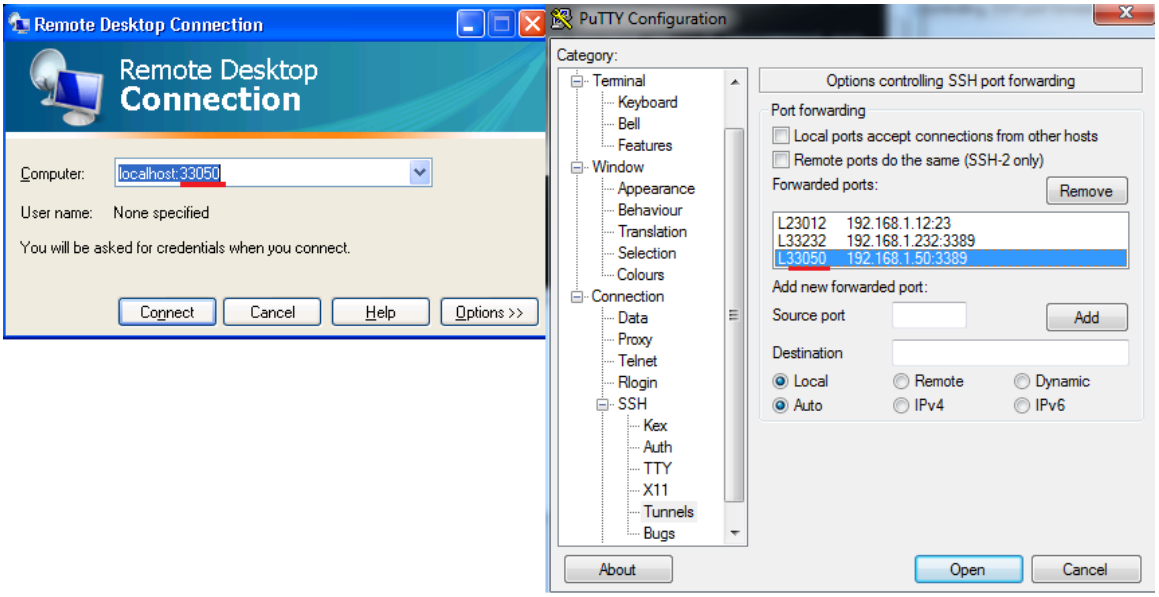


Load the tunnel you just created. It will log you on to the B1 server



Setting up a RDP session

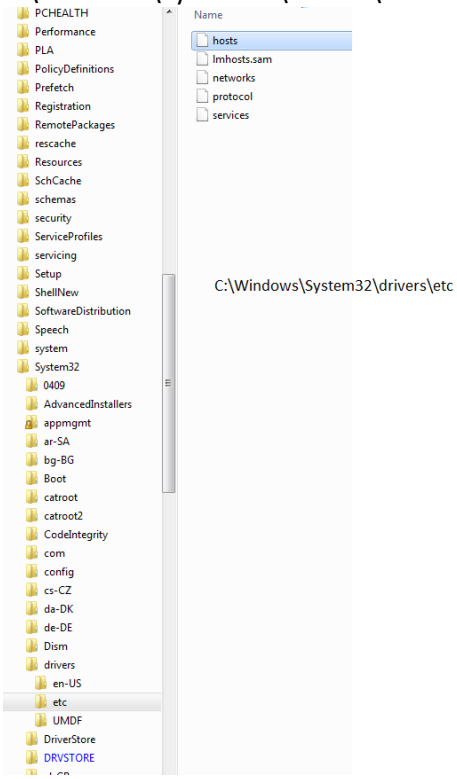
It should read:
Localhost:SourcePort# (must match the source port from PuTTY settings)
Computer: DISA_Probe_XP:33050
Your computer name must match the host name!



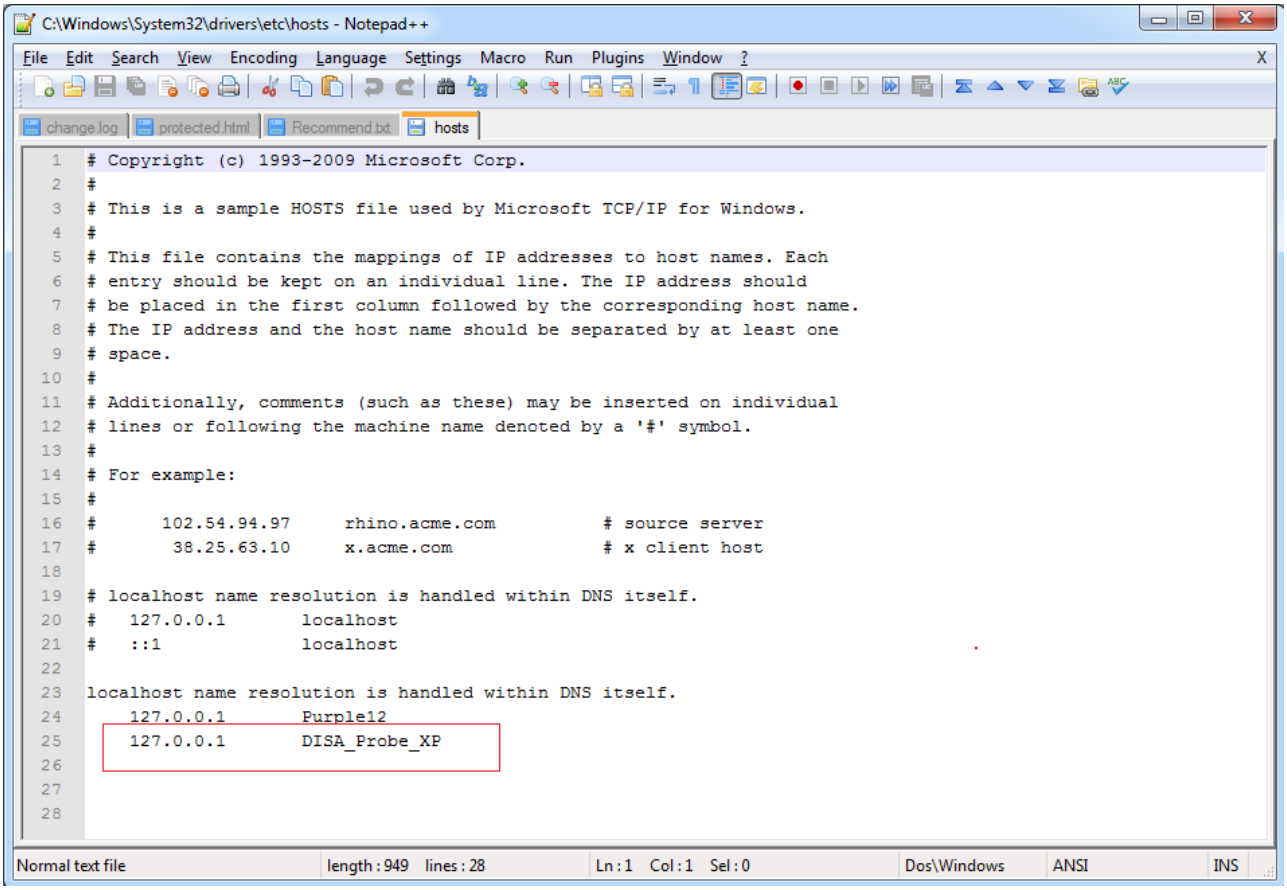
Configuring the Hostname (Windows)

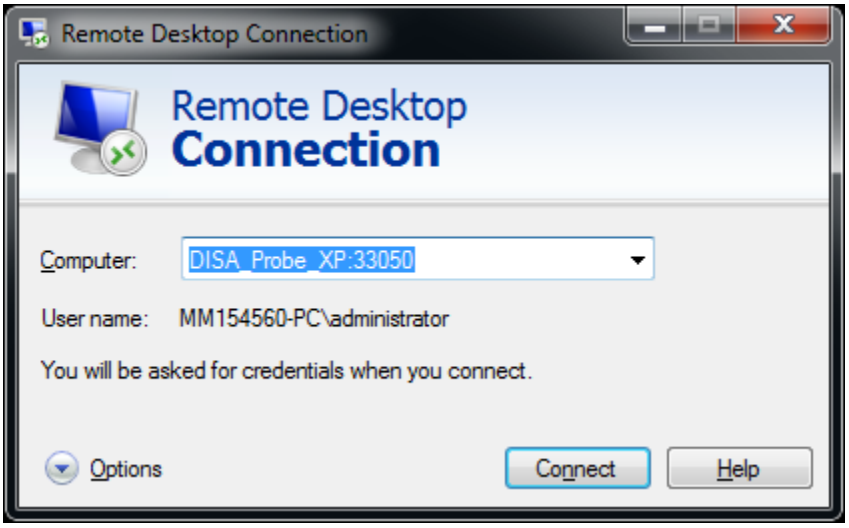
By Default, the host name should be "localhost". If you want it to be something different follow this instructions.
Note: This is not required unless seeing "localhost" on the remote desktop connection really bothers you.

To have the desired name show for logging into RTP, you must change the host name of the local host name.
Look for Host file under following directory:
C:\Windows\System32\drivers\etc



Set local host = 127.0.0.1
If you want the name to match on the RDP window:
The host file should match the login name:

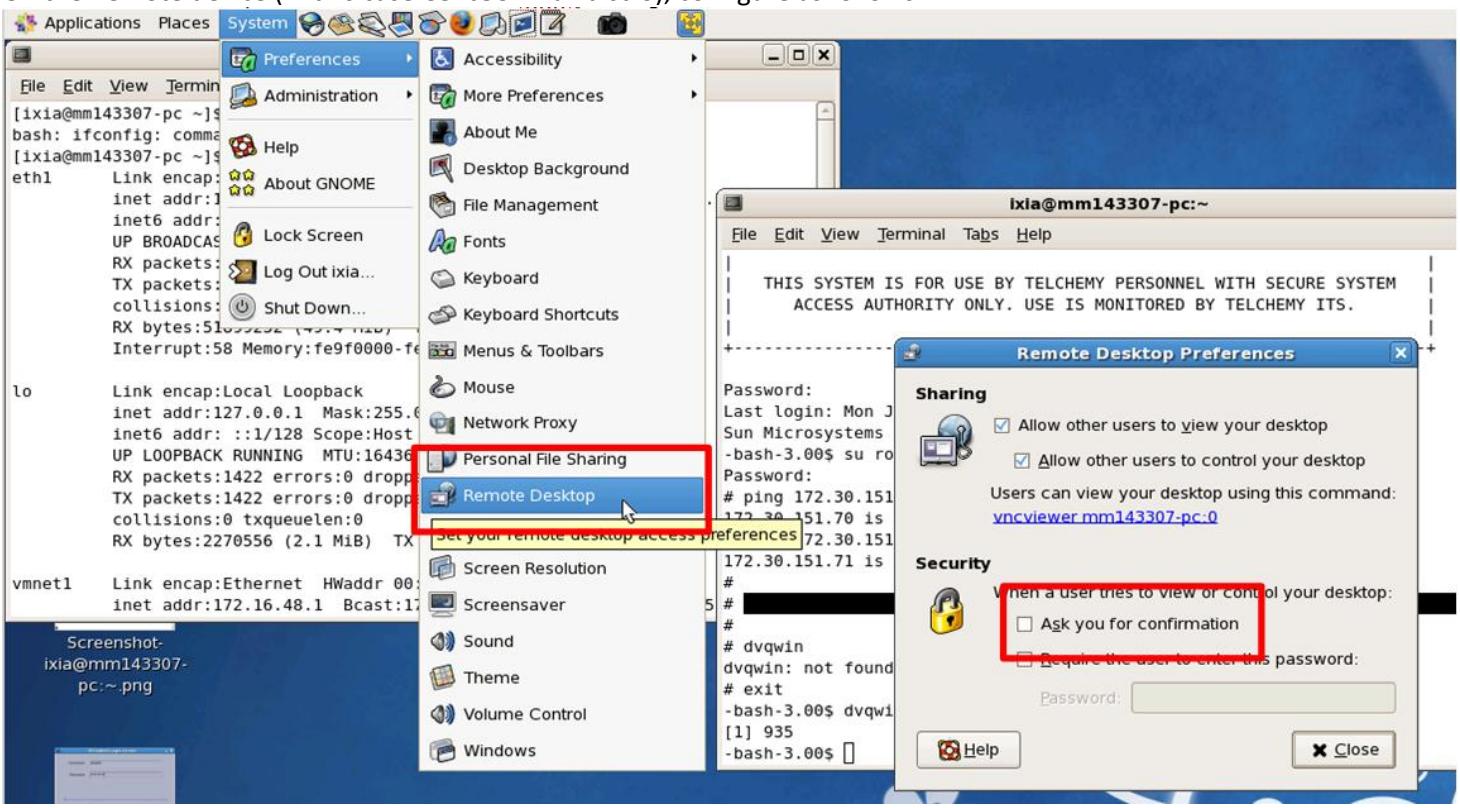

C:\Windows\System32\drivers\etc\hosts - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
change.log
protected.html
Recommend.txt
hosts
1 # Copyright (c) 1993-2009 Microsoft Corp.
2 #
3 # This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
4 #
5 # This file contains the mappings of IP addresses to host names. Each
6 # entry should be kept on an individual line. The IP address should
7 # be placed in the first column followed by the corresponding host name.
8 # The IP address and the host name should be separated by at least one
9 # space.
10 #
11 # Additionally, comments (such as these) may be inserted on individual
12 # lines or following the machine name denoted by a '#' symbol.
13 #
14 # For example:
15 #
16 # 102.54.94.97 rhino.acme.com # source server
17 # 38.25.63.10 x.acme.com # x client host
18
19 # localhost name resolution is handled within DNS itself.
20 # 127.0.0.1 localhost
21 # ::1 localhost
22
23 localhost name resolution is handled within DNS itself.
24 127.0.0.1 Purple12
25 127.0.0.1 DISA_Probe_XP
26
27
28
Normal text file
length : 949 lines : 28
Ln : 1 Col : 1 Sel : 0
Dos\Windows
ANSI
INS


Remote Desktop Connection
Remote Desktop
Connection
Computer:
DISA_Probe_XP:33050
User name:
MM154560-PC\administrator
You will be asked for credentials when you connect.
Options
Connect
Help

Windows --> CentOS (Cross Platform RDP)

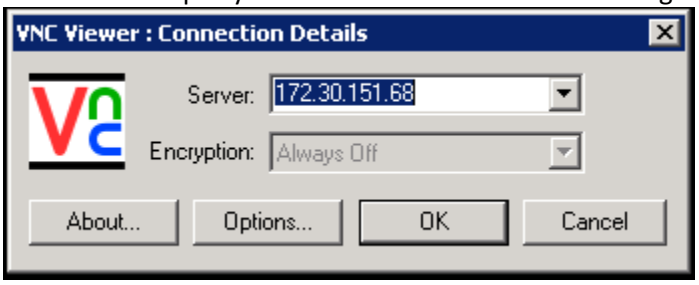
Set Remote Desktop configs as follows:

On the Remote device (In this case CentOS Linux distro), configure as follows.



Using VNC (Sharing View of current Session)

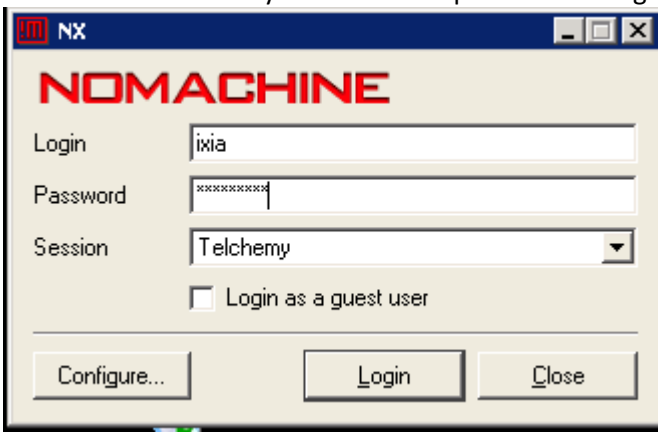
Allows remote party to share the view of the current login session



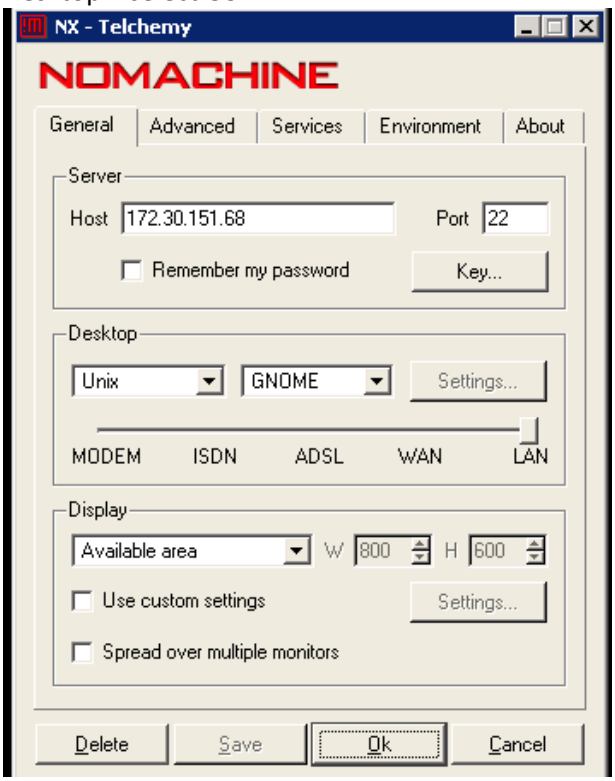
Using NoMachine (Logging Into a Remote Machine)

Logging directly onto a remote machine.
Use NoMachine Application as follows

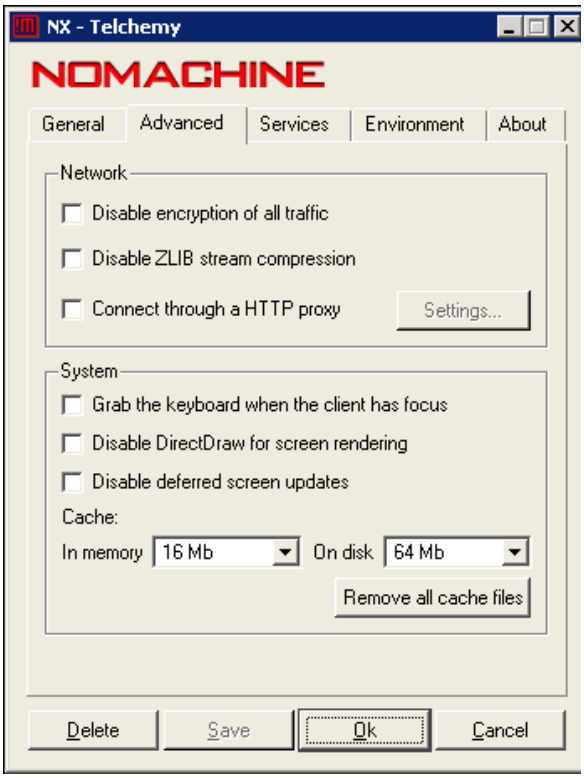
Fill in login credentials of the remote system you are logging into.
Session: notation for yourself. Description for the login.



Host = Destination IP
Port = 22 (SSH)
Desktop = select OS



Leave as default



Leave as default