

STUDENT ACTIVITY 2.3: REMOTE ACCESS

MTA Course: 98-365 Windows Server® Administration Fundamentals

Topic: Understand remote access

File name: WinServerFund_SA_2.3

Lesson Objective

2.3: Understand remote access. *This objective may include but is not limited to:* remote assistance; remote administration tools; Remote Desktop Services; licensing; RD Gateway; VPN; application virtualization; and multiple ports.

Resources, software, and additional files needed for this lesson

- Windows® Server 2008® R2 or Windows 7®
- Internet access
- Access to a valid e-mail account

Directions to the student

Complete the following activity. Have the instructor verify completion.

Content:**Remote Desktop**

1. Using a Windows 7® system or Windows Server 2008 R2, open up an administrative command prompt by clicking Start→All Programs→Accessories→and right clicking on Command Prompt and selecting Run As Administrator.

2. In the command prompt type **netstat-an > c:\ports.txt** and then press Enter.

- a. This will redirect the output of the netstat command to a text file named ports.txt.

b. Leave the command prompt screen open.

~~2.3.~~ Using Notepad, open up the file c:\ports.txt.

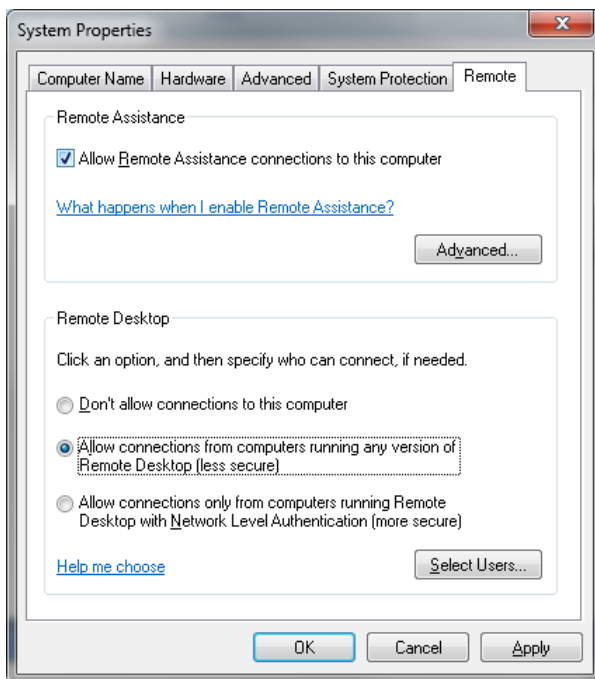
~~3.4.~~ Search for 0.0.0.0:3389 in the output. You should not be able to find this socket connection. (If you do, this means that Remote Desktop is enabled.)

~~4.5.~~ Open up Control Panel, and double click the **System** icon.

~~5.6.~~ In the upper left corner, click **Remote Settings**.

~~6.7.~~ Select the box to **Allow Remote Assistance connections to this computer**.

~~7.8.~~ Check the radio button to **Allow connections from computers running any version of Remote Desktop (less secure)**.—



~~8.9.~~ Click the **Select Users** button and select the user account that you are currently using (ask your instructor if you need assistance). This will allow your partner to remote into your system using your username. Time permitting, you can add your partner's user account for this exercise.

~~9.10.~~ Click OK.

~~10.11.~~ Return to the command prompt and type **netstat-an > c:\portsrdp.txt**

~~11.12.~~ Using Notepad, open the file c:\portsrdp.txt.

~~12.13.~~ Search the output for 0.0.0.0:3389. What does this signify? If you have this in your output, your system is now able to receive Remote Desktop connections. If you don't have it, ask the instructor for assistance.

- 13.14. Have your partner open up Remote Desktop Connection by clicking Start→All Programs→Accessories→Remote Desktop Connection.
- 1.15. Provide your partner with your IP address and the username and password you granted remote access to in step 9.
- 1.16. Your partner now may attempt to connect to your system remotely. Was your partner successful? If not, did you remember to allow access to your system through the personal firewall? Make the necessary changes and have your partner retry.

Remote Assistance

- 0.1. You will need access to a valid e-mail account and Internet access to perform this exercise.
- 0.2. From a Windows 7 machine, click the Start button and type Remote Assistance in the *Search programs and files* box.
- 0.3. Click **Invite someone you trust to help you**.
- 0.4. Click **Save this invitation as a file** and save the invitation to your desktop.
- 0.5. Using your e-mail, send the invitation file as an attachment to your partner.
- 0.6. Have your partner download the invitation and extract the invitation from the compressed file. Be sure not to change the file type of the invitation.
- 0.7. Your partner should double click on the invitation.
- 0.8. Provide your partner with the password.
- 0.9. Allow your partner to have access to your desktop.
- 0.10. Note that you can chat with the remote assistance user during this session.
- 0.11. If time permits, repeat this exercise by accessing your partner's desktop.