

STUDENT ACTIVITY 2.1: APPLICATION SERVERS

MTA Course: 98-365 Windows® Server Administration Fundamentals

Topic: Identify application servers

File name: WinServerFund_SA_2.1

Lesson Objective

2.1: Identify application servers. *This objective may include but is not limited to:* mail servers; database servers; collaboration servers; monitoring servers; and threat management.

Resources, software, and additional files needed for this lesson

- Student should have access to the Internet
- Access to Windows Server 2008® R2 or Windows 7

Directions to the student

Homework:

1. Take the following scenario and provide a short summary of what you would do to accommodate the request from this company and what would be needed. Be able to justify your responses.
2. On a separate sheet of paper, answer the remaining questions.

Content:

1. Contoso Ltd. has decided to expand its way of doing business by making its data easier to view and find. It also wants a solution that will give it the ability to share calendars between departments. It wants this to be accessible from the local area network as well as from external sales people securely. What applications would be required to give Contoso Ltd. what it is looking for?

2. What protocols are associated with the following ports?

1443	
80	
25	
143	
443	
110	

3. What is a port?

Perform the following on either a Windows Server® 2008 R2 or Windows 7 system.

1. Using any computer, open an administrative command prompt by right clicking the command prompt found in All Programs→Accessories and selecting Run As Administrator.
2. At the command prompt, type **netstat-aon** and then press Enter.
3. Explain what you see. Do you see any ports that were discussed in the presentation?

In the following screenshot, do you see any socket connections that would suggest the user is accessing a website? If so, circle the socket connection.

```

C:\Windows\system32\cmd.exe
TCP    127.0.0.1:61955    127.0.0.1:35003    CLOSE_WAIT    4636
TCP    192.168.0.103:139  0.0.0.0:0          LISTENING      4
TCP    192.168.0.103:49158 65.55.97.96:443    ESTABLISHED    2460
TCP    192.168.0.103:49165 74.125.95.139:443  CLOSE_WAIT    2340
TCP    192.168.0.103:49166 74.125.95.100:80   CLOSE_WAIT    3556
TCP    192.168.0.103:49259 65.55.236.159:443  ESTABLISHED    4816
TCP    192.168.0.103:49260 65.55.236.159:443  ESTABLISHED    4816
TCP    192.168.0.103:49261 65.55.236.159:443  ESTABLISHED    4816
TCP    192.168.0.103:61954 65.55.0.121:80     ESTABLISHED    3364
TCP    192.168.64.1:139    0.0.0.0:0          LISTENING      4
TCP    192.168.226.1:139   0.0.0.0:0          LISTENING      4
TCP    [::]:135           [::]:0             LISTENING      748
TCP    [::]:445           [::]:0             LISTENING      4
TCP    [::]:554           [::]:0             LISTENING      4388
TCP    [::]:2869          [::]:0             LISTENING      4
TCP    [::]:3587          [::]:0             LISTENING      4328
TCP    [::]:5357          [::]:0             LISTENING      4
TCP    [::]:10243         [::]:0             LISTENING      4
TCP    [::]:49152         [::]:0             LISTENING      448
TCP    [::]:49153         [::]:0             LISTENING      900
TCP    [::]:49154         [::]:0             LISTENING      976
TCP    [::]:49155         [::]:0             LISTENING      1404
TCP    [::]:49156         [::]:0             LISTENING      524
TCP    [::]:49161         [::]:0             LISTENING      504
TCP    [::]:49162         [::]:0             LISTENING      3692

```