



Virtual Server and Network Setup

Instructor Led Training
Chapter 2 – Exercise B

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NOTE: If a student elects to use their own computer for classroom exercises, it is their responsibility to back up the hard drive prior to the start of class. Equitrac and its instructors are not responsible for any data loss or setup configuration issues on personal equipment used for training purposes.

Terminology

Host machine = the physical machine

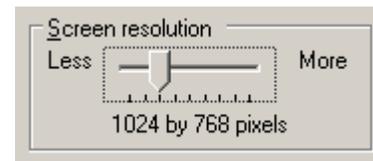
Virtual machine = an image of an independent machine that runs in a window on the host machine

Server machine = the machine on which the server operating system is installed. This could be a physical machine or a virtual machine.

Instructor machine = the physical machine of the instructor.

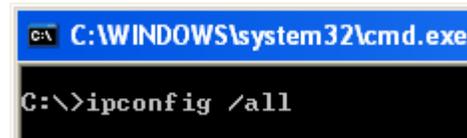
Screen Resolution

1. Right-click the Windows desktop on the host machine and click Properties.
2. Click the Settings tab.
3. Set the screen resolution to 1024 x 768 or higher.



Host PC Network Information

1. On the host machine, open a DOS Command Prompt window and type **ipconfig /all**.
2. Press the  key.
3. In the Network Setup Map section in the Classroom Scenario document, document the **IP address** and **computer name** of the host machine.



Start the Virtual Server Image

1. Click the  button, and then click **All Programs>Microsoft Virtual PC**.

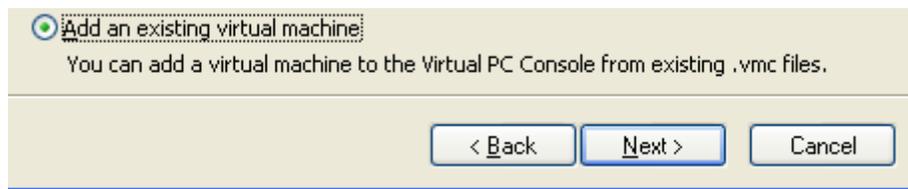
OR

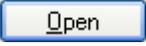
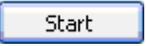
1. Click the  button and then click **Programs> Microsoft Virtual PC**.

RECOMMENDED: Create a shortcut to this program on your Windows Desktop.

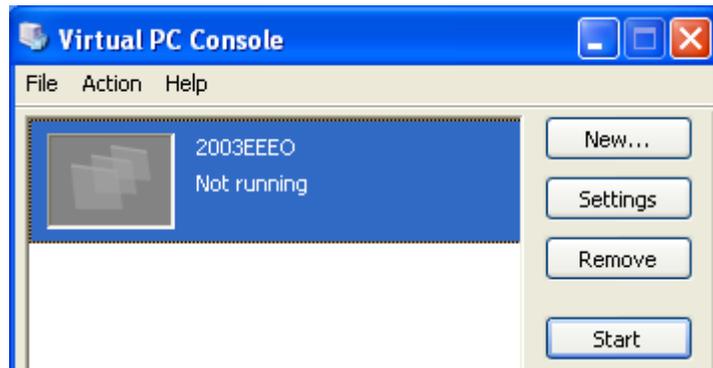


2. In the Virtual PC Console dialog box, click the  button.
3. In the New Virtual Machine Wizard dialog box, click the  Button.
4. Click the **Add an existing virtual machine** radio button and then click the  button.



5. In the **Name and location** field, click the  button, and browse to the location provided by the instructor.
6. Locate the copy of the virtual image and click the  button.
7. Click the  button.
8. Click to clear the **When I click Finish, open Setting** check box and click the  button.
9. If the  button in Virtual PC Console is unavailable (grey), close the console, and then reopen the console.

10. Click **2003EEEE** **Not running** and then click the  button; the virtual server starts, and the Microsoft Windows 2003 Server startup screen appears.



11. To log on to the server, hold down the right  key and then press the  key.
12. Leave the **User name** as **Administrator** and type **Equitrac1** in the password field.
13. Click the  button.
14. Hold down the right  key and the press the  key to switch to Full Screen mode.

Keystroke Equivalents in Microsoft Virtual PC

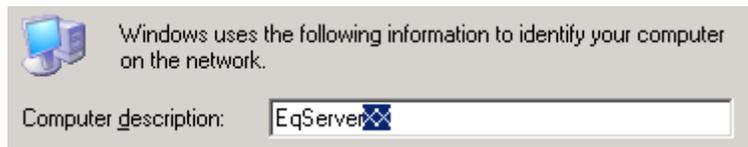
In Windows....	In Virtual PC
CTRL + ALT + Delete	Right ALT + Delete
Display the virtual machine in Full Screen	Right ALT + Enter
Normalize the virtual machine window	Right ALT + Enter

Configure the Virtual Server NetBIOS Name and IP Address

1. On the virtual machine, right-click the **My Network Places** icon and then left-click **Properties**.
2. Right-click **Local Area Connection** and left-click **Properties**.
3. Select **Internet Protocol (TCP/IP)** and then click the  button.
4. Enter the applicable information provided by the instructor.

NOTE: If you change the IP address after this step, it affects any PageCounter terminals.

5. In the Internet Protocol (TCP/IP) Properties dialog box, click the  button.
6. In the Local Area Connection Properties dialog box, click the  button.
7. Close the Network Connections window.
8. Right-click the **My Computer** icon and then left-click **Properties**.
9. Click the **Computer Name** tab.
10. In the **Computer description** field, type the following:



where **XX** is the number or letter assigned to you by your instructor.

11. Click the  button.
12. In the **Computer name** field, type **EqServerXX**.

where **XX** is the same number or letter provided by the instructor.



13. Leave the Workgroup field as **EQTRAINING** and click the  button.



14. In the System Properties dialog box, click the  button.
15. Restart the computer.

NOTE: The computer name can **NOT** be changed after you apply an Equitrac license.

Test the TCP/IP Configuration

Network services or devices cannot communicate amongst themselves if there is a firewall enabled anywhere in the configuration. To verify that the firewall is disabled on the Equitrac server, open a DOS Command Prompt window and ping the IP address of the Virtual server machine. If a response is returned, the firewall is disabled. If no response or a “Request time out” response is returned, something is blocking communication, and the issue must be resolved before proceeding.

To verify that no firewalls block your network traffic, perform the following tests:

1. Ping your host computer from your virtual server machine.
2. Ping your virtual server machine from your host computer.