Test network access procedures:
All operating systems

There are two tests you can run to ensure that your network connection is operating properly.

- **Step 4a - Network speed test**
  The speed test utility will test the network bandwidth between your workstation and the IBM Gateway – Dublin, Ohio network. If you experience connectivity issues during the course, you may be asked to run this test and report the results to the support team or the course instructor.

- **Step 4b - Resource access test**
  If you are going to be accessing a VM image for class lab exercises, the resource connection test ensures that you can access a lab test image. The VPN session is operating properly if you are able to successfully access the test lab image. When your class begins you will be assigned a lab image that you will use to perform exercises.
Step 4a - Network speed test

1. Make sure you have an open VPN session to the IBM Gateway – Dublin, Ohio network.


3. The first network test checks the network bandwidth speed for your VPN session. To start the test, click Begin Test. The test will check both upload and download speeds.
4. Compare your test results against the legend:

- Less than 1.0 Mbps: Expect significant performance issues.
- 1.0 Mbps – 2.0 Mbps: Expect adequate performance.
- Greater than 2.0 Mbps: Expect excellent performance.

5. Test complete.

Step 4b - Resource access test

1. Make sure you have an open VPN session to the IBM Gateway – Dublin, Ohio network.

3. Click **lab test image**. A new browser window will open.

   ![Step 4a - Network speed](image1.png) ![Step 4b - Resource access](image2.png)

   If you are accessing a virtual machine image in order to perform class lab exercises, this test ensures you can connect to the lab environment. The virtual private network (VPN) connection is operating properly if you are able to successfully access the lab test image. When the class begins you will be assigned a separate course image to perform the exercises.

   **Important Note:** To perform this test, an open VPN session must already be established.

   Follow this link **lab test image** to test your ability to access a lab test image on the IBM Gateway - Dublin, Ohio network.

4. If prompted with a security warning, click **Run**. Optionally, you may check **Always trust content from this publisher**.

   ![Warning - Security](image3.png)

   The application’s digital signature has an error. Do you want to run the application?

   - Name: vncviewer/VNCViewer
   - Publisher: RealVNC Limited
   - From: http://172.16.78.34:5800

   ![Always trust content from this publisher](image4.png)

   The digital signature was generated with a trusted certificate but has expired.

5. The RealVNC logo and copyright will eventually appear in the upper-right corner of the browser. To begin the new VNC Viewer connection, click **OK**.
6. When prompted enter the password ‘anonymous’. Click OK.

7. When the lab image appears your test connection is successful. Your actual lab image will not be available until the day of class. Close the VNC window using the Close button located in the upper-left.
8. Test complete.