### Learn on Demand Systems Network Connectivity Test for Labs

**Please provide the following information regarding the network connectivity used:**

|  |  |
| --- | --- |
| Type of network connection (Wired, Wireless): |  |
| Network speed: |  |
| Maximum number of allowed users at once (If limited): |  |
| Available upload/download bandwidth: |  |

As a guidance we do recommend 128kb/s per student.

**Please provide the following information regarding the physical location of the event at which the labs are used:**

Internal Microsoft subsidiary (Corpnet connection)

Microsoft subsidiary (DTAP connection)

Microsoft subsidiary (GUEST WIRELESS connection)  
  External CPLS or other partner venue

Full venue address:

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**Please perform the following tests to verify network connectivity:**

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| --- | --- | --- |
| **Task** | **Outcome Explanation** | **Outcome** |
| **Network Requirements**  Please view and understand the Hyper-V Hosted Lab network requirements at: <https://lms.learnondemand.net/Lab/HyperVSupport> | *e.g. Understood, no questions* |  |
| **Network Validation Testing**  In order to validate the quality and consistency of the internet connection being tested, Learn On Demand Systems utilizes a Java based connection test tool.   1. From the internet connection and devices (if applicable), please Open the following URL: [Server Connection Test](http://speedtest.learnondemand.net/hyperv-ports) @ <http://speedtest.learnondemand.net/>. Alternatively, you can use the ‘Launch Speed Test’ link from the Network Requirements section above.      1. Click “Start Test” 2. The test will take approximately 60 seconds to complete. Multiple checks will be done:    * Port test – Validates that the necessary ports are open    * Speed test – Validates that the route has sufficient bandwidth    * Route test – Maps the network route hops at time of test    * VoIP test – Validates conditions relating to connection quality of service    * RTT test – Measures Round Trip Time Consistency 3. When the test is complete, use the Scroll icon at the bottom of the tabs on the left hand side to scroll to the bottom and then click Advanced.   and then   1. This page contains a summary. At the bottom of the page is a link that is titled “View Text”, which opens a new window. Please copy & paste the results from that window into the “Outcome” cell on this document.   An example is included to the right.  Learn on Demand Systems staff will be able to access this information and access more comprehensive reports of your test upon receiving this summary from you. | **Example only:**  **Replace with your results.**  *Speed test statistics*  *---------------------*  *Download speed: 16732 kbps*  *Upload speed: 5635 kbps*  *Download consistency of service: 27 %*  *Upload consistency of service: 98 %*  *Download test type: socket*  *Upload test type: socket*  *Maximum TCP delay: 378 ms*  *Average download pause: 2 ms*  *Minimum round trip time to server: 69 ms*  *Average round trip time to server: 70 ms*  *Estimated download bandwidth: 51419 kbps*  *Route concurrency: 3.0730207*  *Download TCP forced idle: 85 %*  *Maximum route speed: --*  *VoIP test statistics*  *--------------------*  *Jitter: you --> server: 2.8 ms*  *Jitter: server --> you: 0.7 ms*  *Packet loss: you --> server: 0.0 %*  *Packet loss: server --> you: 0.0 %*  *Packet discards: 0.0 %*  *Packets out of order: 0.0 %*  *Estimated MOS score: 4.2*  *General information*  *-------------------*  *IP address: 104.200.154.92*  *Local time: Dec 7, 2015 3:18:53 PM*  *Test server: http://speedtest.learnondemand.net/* |  |
| **Launch a lab**   * Click on the following link to verify that you can launch a lab.   <https://labondemand.com/Launch/122B02AA>   * Once lab is launched, you will be presented one screen which should be at a desktop. * Once you have verified that the environment shows up, click **Exit**. Then click **Cancel Lab.** * Confirm by clicking **Yes, cancel my lab**.      * This verifies that you are able to run the lab environment from your computer. | *e.g. Lab environment launched successfully*  Include screenshot |  |