

[BD142] AI Toolkit Scikit-Learn, TensorFlow and Keras

**Classroom & System Requirements
Technical Setup Guide**

Requirements

The client is responsible for provisioning the equipment and setup listed in this document.

CLASSROOM REQUIREMENTS (for in-class presentation):

Digital Projector (w/ cables and display unit)	Whiteboard, dry erase markers and eraser
Tables, desks, chairs to accommodate attendees	Easel, flipchart paper and markers
Two (2) power strips	

STUDENT REQUIREMENTS:

- Individual Laptop or PC

SYSTEM REQUIREMENTS:

Processor	2 GHz Pentium processor or faster
RAM	4 GB or higher
Available Hard Disk Space	2 GB Free Hard Drive space
Operating System	Windows 7/8/10, Mac OS X
Network	INTERNET CONNECTIVITY REQUIRED
Browser Software (HTML5 compatible)	Internet Explorer 10 or higher Safari (latest) Firefox (latest) Google Chrome (latest) Opera (latest)

SETUP NOTES

TEKsystems uses Inspired vLab as a hosted service that allows students to access a virtual training environment over the Internet. Each user is connecting to their own remote lab in a browser-based environment. The remote lab is pre-loaded with the software required for the training. Users access the remote system through a web portal using a unique access code and password.

The lab environment does NOT require any additional browser add-ons and operates over standard HTTP and HTTPS connections.

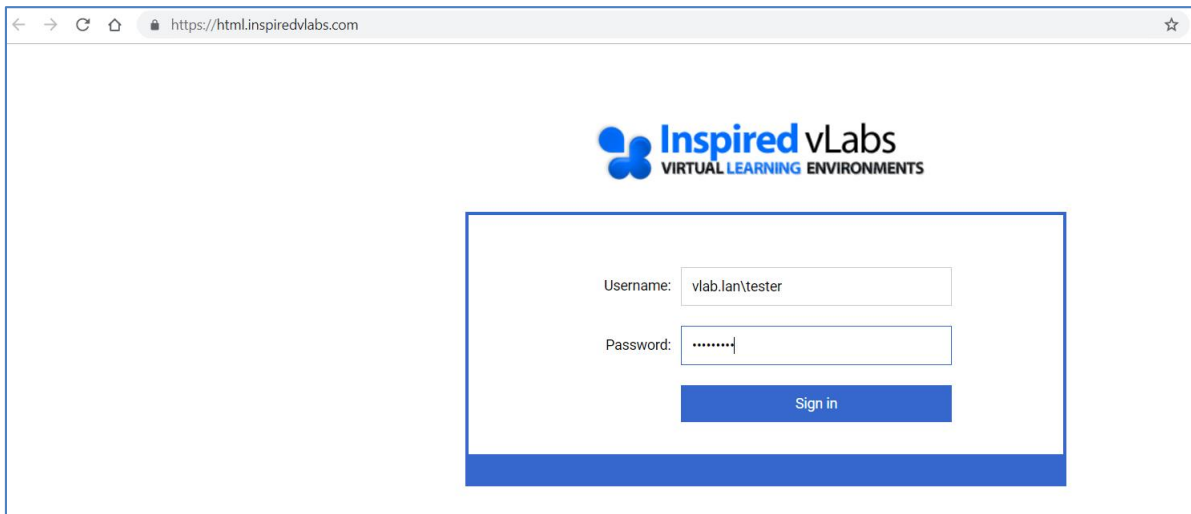
NOTE: Slow response times have been reported when using wireless networks. It is STRONGLY RECOMMENDED that wireless networks NOT be used. If a wired network is not available or not an option, the connectivity test should be run concurrently on multiple machines in the classroom where the training will be conducted in order to verify adequate bandwidth is available.

CONNECTIVITY TEST

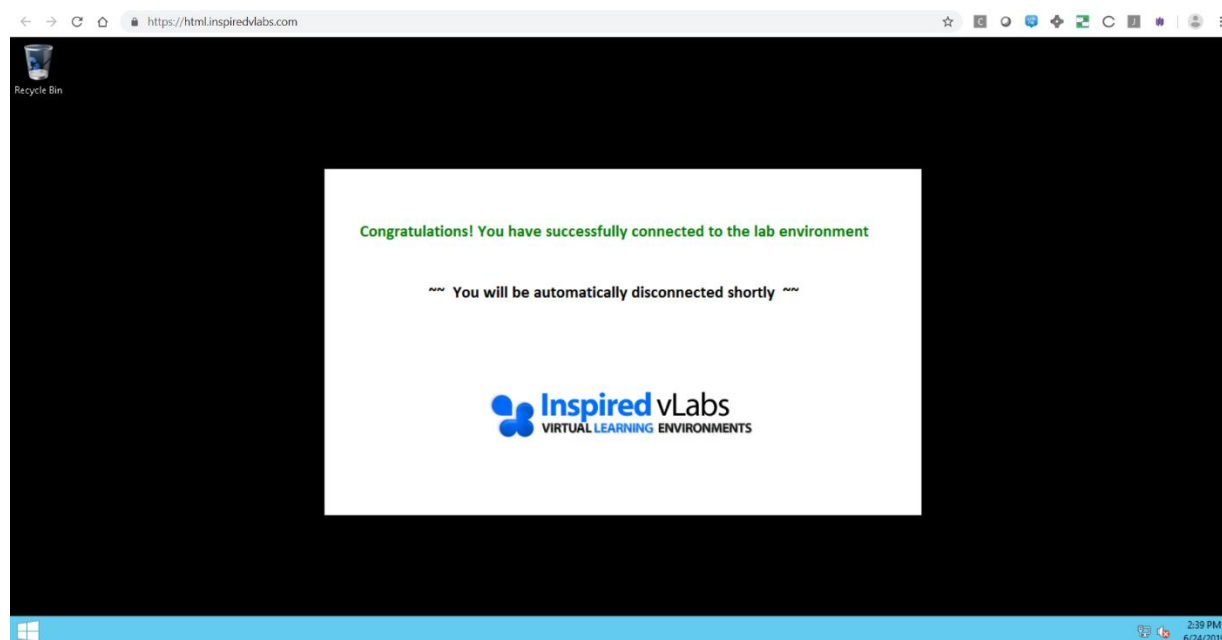
IMPORTANT! It is required that students test connectivity to our service prior to the start of class. This will ensure enough time for our support team to assist the student if needed.

To access the lab environment, use an HTML5-compatible browser, such as Firefox, Internet Explorer 10 or higher, or Google Chrome.

- Open your Internet browser and go to <https://html.inspiredvlabs.com>

A screenshot of a web browser window showing the login page for Inspired vLabs. The browser's address bar displays "https://html.inspiredvlabs.com". The page features the "Inspired vLabs VIRTUAL LEARNING ENVIRONMENTS" logo at the top. Below the logo is a login form with two input fields: "Username:" containing "vlab.lan\tester" and "Password:" containing masked characters. A blue "Sign in" button is positioned below the password field. The entire login form is enclosed in a blue rectangular border.

- Enter the user name **vlab.lan\tester**. Enter the password **Connect1!**.
- Click the **Sign In** button.
- The virtual machine will launch and you will be presented with a successful log on window.



- At this point you have verified connectivity to the Inspired vLab environment.
- **On the first day of class** the instructor will provide each student with a unique access code to enter the virtual lab environment.
- In the event there are issues connecting, contact Chris Porter at cporter@teksystems.com

Troubleshooting

In order to get the best training experience possible, we recommend the following options in the event the students experience connectivity or latency problems:

- A wired connection is **ALWAYS** preferred, as wireless connections share bandwidth with all devices on the local network
- Limit the use of streaming services (YouTube, Netflix, etc.) on the wireless network during class times
- Disconnect from any Virtual Private Networks (VPN)
- Clear your browser cache
- Switch to a different browser (Chrome, Firefox, Internet Explorer, etc.)
- Switch to a different system (laptop or desktop)

END