

Installing TestNav – Quick Start

This document describes best practices for installing the TestNav test delivery application. It covers installation, firewall and content filtering exclusions, wireless clients, and other general considerations.

Installation

1. Install TestNav to a file server within your school's LAN environment (whenever possible), and use shortcuts to run the application from the client machines.
 - If you install TestNav on a file server, any changes to TestNav (for example, changing proxy settings) will be propagated to testing workstations that have shortcuts to the TestNav file server.
2. To ensure consistent installation across client machines, install TestNav to a file server from a client workstation. To do this, execute the installation file, and then point the TestNav installation directory to a shared drive on the file server.
3. During the course of testing, TestNav will write data to the TestNav installation directories. Ensure that all client machines refer to these directories as defined during the install (mapped drives), and that all user accounts used during testing have sufficient privileges.

Required privileges for the TestNav installation directories:

- Windows: Full Control, Change, and Read permissions
- Netware: RWCEMF (Read, Write, Create, Erase, Modify, and File Scan) permissions
- Mac: Read and Write permissions

Other Installation Considerations

- To save student response files if connectivity is lost during testing, specify a primary and an alternate save location. A **network location** is the recommended primary save location, and a **local client workstation location** is the recommended alternate location. Note that specifying both save locations on the network is not an ideal configuration.
- Pearson strongly recommends that the Flash Player update function be disabled during test delivery windows. The Adobe Flash Player download is integrated in the installation of the new version of TestNav. Disabling the update feature will eliminate the possibility of an independent third party update negatively affecting the TestNav test delivery engine. TestNav will use the Flash Player that is bundled with the TestNav installation regardless of the version of the Flash Player installed on the student workstations.
- If you use desktop imaging tools (like Deep Freeze), note that the contents of the TestNav/Logs and TestNav/temp directories are necessary for resuming tests and diagnosing technical problems.
- For test security reasons, avoid application virtualization, terminal services and thin clients. These solutions are currently not supported by Pearson.

Firewall & Content Filtering Exclusions

The following domains and ports must be allowed to pass through your Internet firewall or proxy system.

| <i>Domain</i> | <i>Port</i> |
|-------------------|-------------|
| etest.pearson.com | 80 |

| | |
|----------------------------|---------|
| www8.etest.pearson.com | 443 |
| www9.etest.pearson.com | 80 |
| launcher.etest.pearson.com | 80 |
| www.pearsonaccess.com | 80, 443 |

Wireless Clients

TestNav works well in wireless network environments, assuming that the underlying network is healthy. To provide additional protection against communication issues within the lab environment, use a mapped network drive as the primary save location so that students can resume testing on another machine, if necessary.

Other Considerations

- Insufficient network bandwidth is the main cause of performance issues for online testing. Use online bandwidth testers (e.g., dslreports.com) to gauge available bandwidth for different hours of the day.
- Use Proctor Caching to significantly reduce the amount of bandwidth required to deliver tests.
- Use your program's online Training/Practice Center (if available) to validate your lab configuration.
- If possible, limit other internet usage during testing, or configure your network infrastructure to give priority to online testing traffic.
- Disable or configure auto-update, anti-virus, and other third-party applications to not prompt user during testing. Any screen that pops up while TestNav is running will interrupt the student's test session.

For More Information

- eMeasurement Services users see *eMS Infrastructure Guidelines* on your eMeasurement Services *Resources* page.
- Call **800-597-1103** for Pearson technical support.