

TENS — TRUSTED END NODE SECURITY



TECHNOLOGY

TENS, formerly known as LPS, is a family of products focused on providing network access in the most secure way possible. By booting from read-only media and installing nothing, TENS creates a temporary RAM-based, secure end node on almost any computer.

Public is available to anyone on our website, at no cost. It provides secure web browsing, as well as other capabilities. Public Deluxe is packaged with OpenOffice, an open-source productivity software suite.

Professional is available only to U.S. government personnel. Your organization's IAM/IT manager can request a customized build from our website. TENS Professional offers secure web browsing as well as VPN, VDI, and more. It is available for a cost to each organization.

Bootable Media is similar to Professional but is only available to the Department of Defense (DoD), at no cost to each organization. It provides secure web browsing, VPN, VDI capabilities, and more. It is the only approved DoD-enterprise remote access solution for using non-GFE.

USE CASES

TENS supports many use cases while providing the highest level of end node security possible. Many non-government personnel use TENS for secure online banking and web browsing. Also, if you know or suspect a computer has been compromised with malware, TENS can create a pristine, temporary operating environment. Many government personnel use it for teleworking in disaster/COOP scenarios or when unable to use their government-issued computer. There are many other use cases; however, the highest level of security is prevalent among all use cases.

CERTIFICATIONS

In 2009, LPS was evaluated by NSA, approved by the ASD NII (DoD CIO) for DoD-wide use during pandemic emergencies. In 2011, it received a Certificate of Networthiness from the US Army and was certified by AFNIC/EV for general telecommuting to the AF-GIG. Bootable Media has an ATO issued by DISA.

DEPLOYMENT

For Professional and Bootable Media, initial deployment and support documents are provided with the customized ISO image. The files and Tier 3 support are included; organizations incur any costs for deployment and sustainment. New versions can be re-deployed by requesting another build.

CUSTOMIZATION

Public is not customized for individual users. As we release new versions, they are available on our site for download. Our Professional and Bootable Media products are customized for each organization. Once contacted by your organization's IAM/IT manager, we create a custom build for your specific connectivity and remote desktop infrastructure. Our team will work with you to hone your build by setting specific ports, protocols, and services, and adding any optional application software. Start by visiting our website.

High Security, Tightly Focused Solution

- TENS was designed for maximum security, focusing specifically on providing temporary remote access only. The operating system boots from a Live CD and resides in RAM; the local disk is not touched. It intentionally lacks drivers for hard drives and most USB devices. Its firewall can be customized to allow only outbound connections to authorized addresses.
- TENS implements Information Assurance's highest principles. Booting a pristine operating system assures integrity. Encrypted communication and non-persistence provide confidentiality and privacy. One's smart card, login, and password provide authenticity and non-repudiation. Using almost any computer provides availability and continuity. Finally, keeping data and tools centralized minimizes costs and exfiltration, enables full audits, and eases compliance.

REQUIREMENTS

System Requirements

- x86 PC or Mac, bootable CD-ROM drive, 1.2 GB RAM
- Wired, WiFi, or Cellular Broadband Internet connection
- CAC/PIV in CCID-compliant USB smart card reader
- USB or local network printers supported

Support Organization Prerequisites

- Request, receive, and burn ISO images
- Deploy CDs, USB smart card readers, and user materials
- Network resources to support remote users
- Tier 1 and 2 support of your custom build and network

Learn more at www.TENS.af.mil • Contact us at TENS@us.af.mil

