



SecureOffice® NetTop®

BENEFITS

- Allows simultaneous desktop access to multiple security levels
- Allows access to Windows applications in an accredited environment
- Lowers total cost-of-ownership through reduced infrastructure
- Based on NSA's SELinux
- Patented, developed and accredited by NSA

For government agencies and commercial organizations, SecureOffice® NetTop® eliminates the need for multiple desktop computers when access to more than one network is needed at the desktop. NetTop provides users with the ability to access multiple independent Microsoft Windows® sessions at different classification or sensitivity levels. Each level is securely separated from others by the operating system layer, which enforces a strong protection security policy that prevents cross-domain contamination. Using only a single desktop workstation, users can access and operate at all of the disparate classification levels with National Security Agency (NSA)-approved security mechanisms protecting the session.

Reduced Costs and Increased Productivity without Compromising Security

In the past, accessing a new security domain required the addition of a separate workstation and the entire associated infrastructure costs. This segregation of systems ensured that critical information was protected and not subject to cross-domain contamination or compromise. NetTop reduces this footprint while still protecting the most sensitive classified information. Using VMware, a virtual machine technology, NetTop is able to replace multiple physical machines with a single workstation and still provide a foundation for secure, high assurance computing. This configuration reduces desktop hardware, infrastructure costs such as HVAC and network requirements, and desktop 'real estate'. The total cost-of-ownership decreases dramatically while exponentially increasing the users' efficiency.

Secure, but User-friendly Environment

The learning curve for NetTop is extremely modest. Users access a Microsoft Windows operating system with standard desktop applications, allowing for immediate productivity. The familiarity of the

desktop hides the underlying complexity of the security architecture protecting the system. The security foundation for NetTop is Security Enhanced Linux (SELinux) – a NSTISSP 11 compliant operating system that has been certified by NSA to run in PL4-rated environments. SELinux is the result of years of study from NSA researchers working in NSA's Information Assurance Directorate. SELinux provides a framework to enforce security requirements for domain separation. The end result is that users have the best of both worlds – a familiar working environment that conceals the intricacies and complexity of the secure operating system needed to protect sensitive and crucial information, as well as access to Microsoft applications on multiple networks.

Concurrent Connection to Multiple Networks

Each virtual machine has its own virtual operating system and its own virtual hardware. NetTop provides interfaces to allocate the local peripherals to the appropriate virtual machines. NetTop provides users with a secure separation between data and computing environments of different sensitivities. For example, a warfighter can concurrently connect to the Joint Intelligence Communications System (JWICS), the Secret Internet Protocol Router Networks (SIPRNET) and a Coalition Wide Area Network (CWAN), enabling access to the Intelligence Community, Command & Control and Coalition resources from a single desktop.

NSA Designed and Accredited

NetTop is based on a research project of the NSA and is licensed by Trusted Computer Solutions (TCS) under a Patent License Agreement with the Agency. NetTop joins the TCS product line as the company's first Linux-based application and is a valuable addition to the SecureOffice suite of secure information sharing and multi-level secure applications.