CSfC Deployer

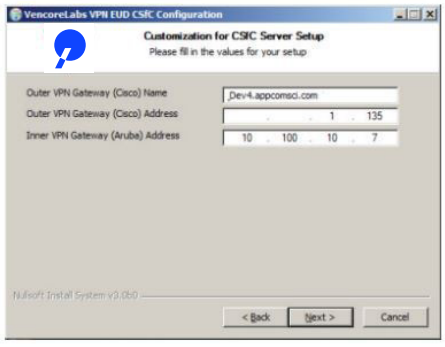
Industry-leading self contained CSfC solution package deployer for windows end-user devices

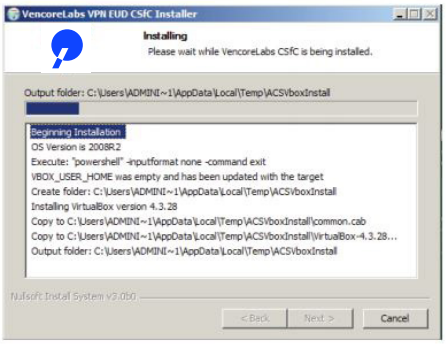
The challenge

National Security Agency's Commercial Solutions for Classified (CSfC) Capability Packages mandate necessary security constructs under which end-user devices (EUDs) can connect to secure networks. The Mobile Access Capability Package (MACP) defines EUD requirements that include separation of IP stack space for outer and inner Internet Protocol Security (IPSec) tunnels, diversity of IPSec clients and separation of security credentials for the two tunnels. Manual separation of IP stacks, installation and configuration of IPSec clients and further configuration of in-host routing to achieve the desired networking and security posture is a time consuming procedure fraught with possibilities of user and administrator error at each step. For an enterprise-wide deployment, this leads to excessive delays in formulating plans for installation, testing and eventual release of EUDs to end users.

The solution

The Perspecta Labs CSfC Deployer is an industry-leading solution that provides a system administrator a clean package to perform all necessary CSfC deployment and configuration steps with a few button clicks. The solution deploys and configures an inner IPsec client and type-2 hypervisor on the host. It then creates a virtual machine (VM), which hosts the outer IPSec client, and sets up internal host-only interfaces and appropriate routing rules. It additionally deploys and configures monitoring applications for the Windows system tray and an application to monitor the system even before the user logs on or when the user logs off or when the desktop is locked. This aspect is critical for setups where pre-connect features are necessary, for example, for Active Directory based login checks.





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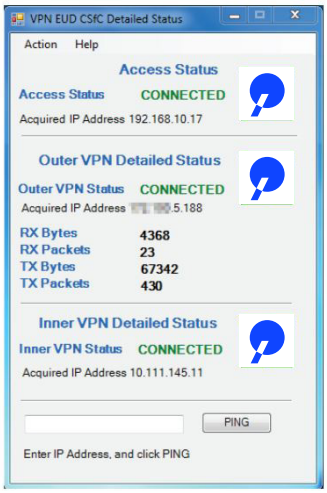

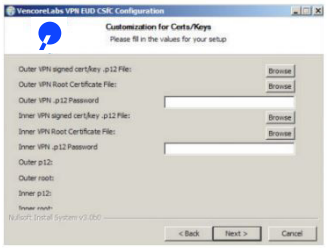

CSfC Deployer key benefits

- **Built-in hypervisor:** One click installation and setup of a Type-2 Hypervisor with a Security Technical Implementation Guide (STIG)-compliant VM provides IP stack separation. Routing between host and VM and out of the physical host are automatically performed
- **Built-in IPSec clients:** Auto-install of National Information Assurance Partnership (NIAP) validated IPSec clients for the VM and host from two separate vendors
- **Pre-logon and lock-state monitoring:** OA Pre-Logon Monitoring application provides the user with an indication of the access IP address, outer VPN state and inner VPN state. The application can be made available for view when the screen is locked or when no user is logged in
- **Post-logon tray monitoring:** Independent Windows system tray icons to monitor outer, inner and system wide VPN status. Changes get promptly presented to the user using bubble pop-ups
- **Pre-connect CSfC VPN formation:** Pre-connect of CSfC VPN can be configured to allow the dual layer IPSec VPNs to be formed when host boots without any user actions like Logon
- **Quick and repeatable:** Quick deployment from USB or DVD with repeatable results. Uninstallers also enable quick removal of all software deployed and roll-back of all configuration changes for the host

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