**Peraton**

# SECUREIO RAPID PROVISIONER

## Automated Configuration of Windows and Android End-User Devices in Compliance With CSfC Capability Packages

## THE CHALLENGE

The National Security Agency's (NSA'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) include requirements for the separation of IP stack for outer and inner Virtual Private Network (VPN) tunnels, diversity of VPN clients, and separation of security credentials for the two tunnels.

Manual separation of IP stacks, installation and configuration of VPN 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 EUDs to end users.

## THE SOLUTION

SecureIO Rapid Provisioner is an industry-leading solution, available for Windows and Android devices. It provides an automated, turnkey process so that all necessary CSfC deployment and configuration steps can be performed accurately with a few clicks of the screen.

Rapid Provisioner has been shown to reduce configuration time from more than 2-4 hours per device to 15 minutes, saving agencies resources and valuable time. It delivers speed, security compliance, and scalability, while eliminating manual steps, improving accuracy of device provisioning, and reducing the training required for the personnel performing the provisioning.

### SecureIO Rapid Provisioner for Windows Laptops and Tablets

SecureIO Rapid Provisioner for Windows operates like a familiar wizard-based Windows application installer. SecureIO Rapid Provisioner for Windows first deploys and configures an inner IPsec client and 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, including an application to monitor the system before the user logs on, when the user logs off, and when the desktop is locked. This full-spectrum monitoring capability provides necessary information where pre-connect features are necessary, for example, for Active Directory based login checks.

See below for a series of screens showing the SecureIO Rapid Provisioner for Windows in action.
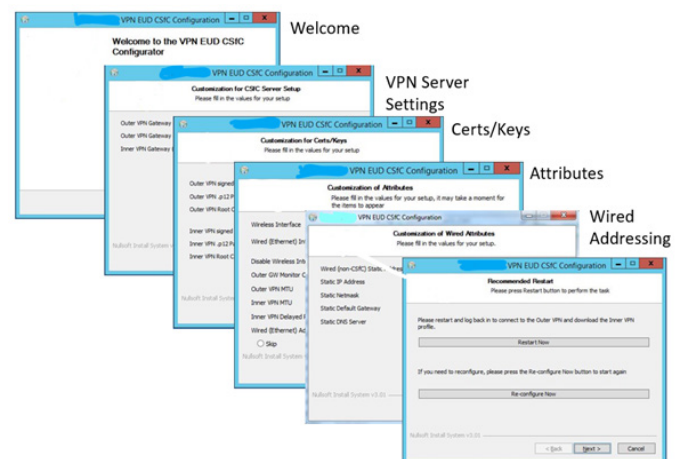
## SecureIO Rapid Provisioner for Android Smartphones and Tablets

SecureIO Rapid Provisioner for Android provides an easy-to-use web interface through which an administrator first creates categories of device types. Each category supports users with similar device needs (e.g., different user groups require different apps). An administrator uses the SecureIO Rapid Provisioner GUI to assign a new device to a specific user within a group. When the device is powered on, provisioning staff initiate the provisioning process by simply tapping it with a near-field communication (NFC)-capable provisioning device. The new device then autonomously downloads, authenticates, decrypts, and installs a provisioning package customized with the new user's credentials and containing the configuration and software required for users in that user category. Shown below is the system architecture for the SecureIO Rapid Provisioner for Android.



For more information about Peraton Labs' SecureIO solutions and our services as a CSfC Trusted Integrator see SecureIO - Peraton Labs and CSfC trusted integrator - Peraton Labs or contact us at trusted.csfc@peratonlabs.com.

## BENEFITS

- **Faster speed and lower costs:** Rapid Provisioner can reduce configuration time from over 2 - 4 hours per device to 15 minutes, significantly speeding up provisioning, saving resources, and lowering cost.

- **Error-free provisioning:** Using an automated, turnkey approach, SecureIO Rapid Provisioner eliminates error-prone manual steps and improves the accuracy and security of device provisioning.

- **Built-in VPN clients:** Auto-install of National Information Assurance Partnership (NIAP) validated VPN 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 popups.

- **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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