



## **Solution Summary**

### **Overview**

Closing the vulnerability gaps of traditional network security, *STTealth Shield*<sup>™</sup> converges NAC with dynamic encryption protection on every computer node on the network. This pioneering software-only solution safeguards Subscribers against espionage, from both inside and outside their network.

### **Strength in Silence**

Not a firewall...more than whitelisting... *STTealth Shield* does not respond to port probes, effectively ignoring DoS perpetrator attacks, fake IP attempts, and all unauthenticated and unapproved network messages. Clients are concealed from the Internet by an orb of imperceptible security. All activity within *STTealth Shield*'s "invisibility cloak" cannot be observed or ascertained by unauthorized users.

### **Defense is in the Details**

On a sub-net or across the internet, *STTealth Shield* encrypts individual computer nodes utilizing multiple layers of rotating encryption algorithms, and changing keys at less than one-minute intervals. Encrypted journals report each node's activity to a master node. All inquiries and responses between nodes are also encrypted and recorded to an encrypted database. (No risky plaintext log files or parsing needed!) No PKI required.

*STTealth Shield* nodes communicate *only* with other *STTealth Shield*-authenticated nodes. Strong distributed authentication and device subscription management identifies all nodes. Contaminated nodes are obstructed from further interaction with cleared nodes, shutting down malicious infiltration. Corrupt nodes are black-listed until reauthorized.

### **Relentless Security**

The *STTealth* Management System encrypts data-in-motion, data-at-rest, and individual computer nodes, securing all zones, unmanaged machines, and remote users. The agile and efficient security system operates with minimal overhead, low CPU utilization, and a small memory footprint.