

# Cyber Security Solutions - Assure6i™

Assure6i provides total protection for your network—today and tomorrow



## Government and Industry Partner

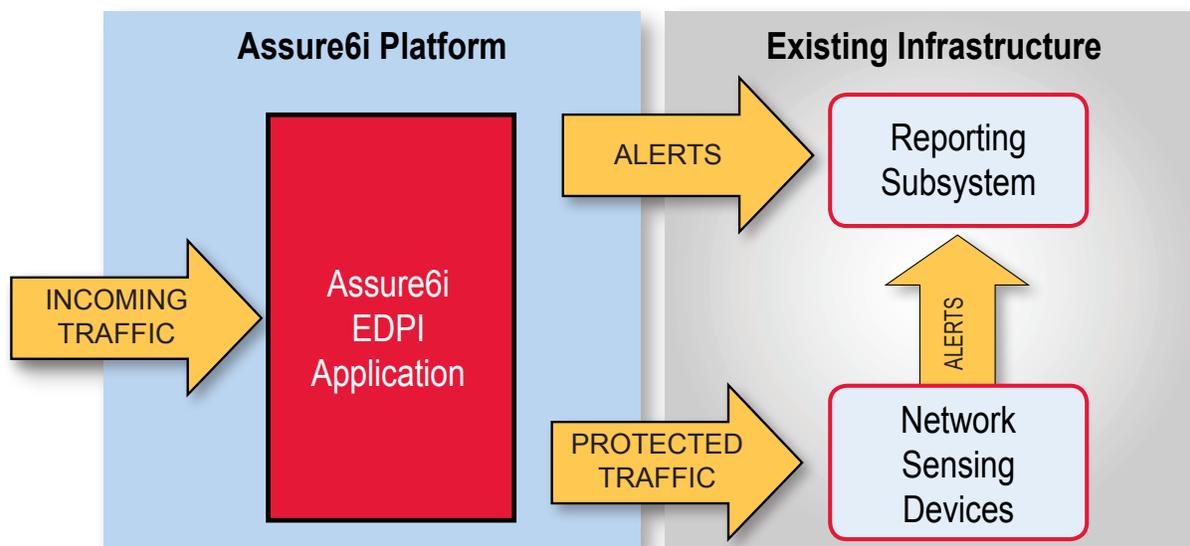
For more than 20 years, leaders across government and industry have trusted Salient CRGT's advanced networking security and systems engineering to protect their global networks. Building on the needs of our customers, Salient CRGT developed and successfully deployed the first cyber security IDS/IPS to detect and block IPv6-based threats. Assure6i enhances the ability to secure information regardless of traffic type and detects IPv6 security threats in existing networks. This ensures the complete protection of networks while also providing a safe and reliable transition to IPv6.

### Cutting-Edge Technology

Many cyber security devices cannot detect all the potential IPv6 vulnerabilities due to the significant differences between IPv4 and IPv6 protocols. Responding to needs identified by our customers and industry experts, Salient CRGT designed Assure6i from the ground up specifically to safeguard IPv6 traffic. Using Enhanced Deep Packet Inspection (EDPI) technology, Assure6i can detect and inspect tunneled IPv4 and IPv6 traffic for known attack vectors. Assure6i integrates with existing infrastructure to send alert notifications and store captured packets. If desired, Assure6i will drop policy violating traffic.

### IPv6 Threats

- ▶ Undetected IPv6 traffic
- ▶ DoS or DDoS inflicted by flooding IPv6 fragments or spoofed ICMPv6 packets
- ▶ Illusive tunnels ideal for data exfiltration and command and control
- ▶ Hijacked unconfigured IPv6 networks within the corporate WAN
- ▶ Abuse of IPv6 header fields for covert channels
- ▶ Security device evasion through the misuse of the IPv6 extension headers



# Cyber Security Solutions - Assure6i™

Assure6i provides total protection  
for your network—today and tomorrow



## Flexible and Adaptive

The Assure6i suite is now a commercial-off-the-shelf (COTS) product that allows enterprise-wide policy management of IPv6. Utilizing DPI methods, Assure6i can inspect IPv4 packets for encapsulated IPv6 headers and identify unusual tunneling protocols which do not belong on the enterprise network. If desired, Assure6i provides the ability to drop network traffic containing either native or tunneled IPv6 packets effectively hindering any IPv6 traffic attempting to transverse the enterprise network. Organizations are given the ability to enforce DoD recommended milestone goals for the transition to IPv6. Given the versatile nature of IPv6 tunnels, Assure6i is the only way to completely secure IPv6 traffic across the enterprise.

## Features

- ▶ Protects against IPv6-related vulnerabilities
- ▶ Define specific IPv6 rules constraining IPv6 tunneling and extension header features to those deemed appropriate for the network
- ▶ Captures packets for additional analysis of native and tunneled IPv6 traffic
- ▶ Provides central and secure policy-based enterprise management consistently throughout the network
- ▶ Integrates with existing enterprise infrastructure to include event and reporting management systems
- ▶ Multi-platform availability for optimal integration into customer environment

*Assure6i is the most trusted IPv6- centric COTS intrusion prevention and detection system among the federal, defense, intelligence, and civilian agencies.*

## Configuration

Assure6i sensor can be used as both an IDS or IPS device at the network edge or within the internal network topology. It can also be used as a tool for remote end-point assessments. Please contact Salient CRGT to discuss enterprise deployments or IPv6 assessment capabilities.

## Future

Identifying corporate strategy for the processing and handling of IPv6 is critical as the global internet continues to embrace IPv6. Corporations must manage the exposure and growth that IPv6 adds to a security infrastructure.

- ▶ The Assure6i product line provides protection from IPv6 related threats.
- ▶ It ensures a safe transition to IPv6.
- ▶ Supports localized detection, incident response, and mitigation efforts.

Assure6i fills the IPv6 security gap left open by other network security devices.

