

HIGH BANDWIDTH SERVICES

Accessing remote equipment inside your customer's network is critical to your business. ION Networks Internet Services Delivery Platform provides fast, reliable, inexpensive connectivity into the customer network and eliminates the conflict between enterprise security policy and Service Provider access requirements.

ION has adapted SSL VPN technology, already widely embraced by enterprises, and tailored it to meet the unique connectivity requirements of Service Providers.

Whether through faster patch downloads, reduced connection time, or real-time delivery of critical alarm information, the efficiency gains from ION's Internet Services Delivery Platform on existing services will be seen immediately. ION also paves the way for additional revenue opportunities by enabling new services not possible with traditional dial-up access, such as QoS, Syslog monitoring and more.

ION Services SSL VPN™

IPSec VPN Solutions, while adept at providing secure bidirectional communication, are difficult to administer and unable to handle complex NAT and routing environments. Traditional SSL VPN's are unsuitable for service-delivery applications because they lack support for outbound communication from inside the network.

ION's Services SSL VPN combines the best of both technologies, providing **secure bi-directional connectivity, eliminating manual configuration**, and handling **NATing with ease**. An ION Appliance located within the customer network contacts the PRIISMS server in the Service Provider NOC via SSL, leveraging the same mechanism as a SSL browser session. Once connectivity is initiated, the appliance and PRIISMS automatically establish a secure, resilient connection. All routing, NAT traversal, and address resolution is handled by the platform, enabling easy access and alarming.

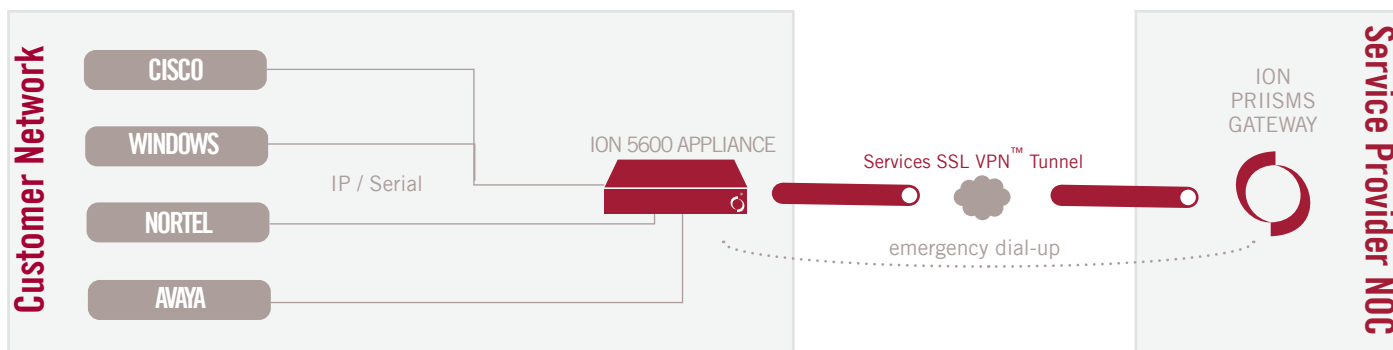
Features

- Always-on, bi-directional connection to customer network via Internet or Dedicated Connection.
- Zero-configuration VPN connection with automatic reconstruction of tunnels upon interruption
- Strong encryption (3DES, AES) of all management traffic while in transit across public networks
- Automatic NAT traversal, handling of redundant IP addressing
- Automatic secure dial-up for emergency connectivity
- Universal connectivity with support for Serial, SSH, Telnet, http(s), ftp, sftp, scp, SNMP, syslog, Remote Desktop applications, etc.
- Embedded 3DES two-factor authentication

Customer Acceptance

New legislation, internal policies, and the increasing frequency of security breaches have led to enterprises demanding more secure access mechanisms for external network access. Most Service Providers struggle to provide a remote access solution that meets their needs for connectivity without violating corporate security requirements.

ION Networks' solutions have been recognized and implemented by the most security-conscious organizations in the world such as the US Department of Defense and major financial services firms as well as by leading service providers across the globe. ION has leveraged our customer relationships to create a solution that combines state-of-the-art connectivity, security, audit, and scalability features in an affordable, easy-to-deploy package.



An ION appliance initiates secure communications to an ION PRIISMS Gateway from *inside* the customer network. Once established, PRIISMS and the ION appliance maintain a secure, persistent tunnel for inbound access, outbound alarming, and delivery of advanced, bandwidth intensive services. Secure emergency dial-up is available for alarming and access even in network-down conditions.