Secure networking for commercial IoT, M2M, and legacy systems

Our unified and flexible identity-defined fabric that can span all environments and connectivity mediums, even Layer 2 / Layer 3, resulting in a simpler and more flexible secure networking model.

SIMPLE	FLEXIBLE	SECURE
INCREASE PRODUCTIVITY BY UP TO 5X	REDUCE TIME TO PROVISION BY UP TO 90%	REDUCE ATTACK SURFACE BY UP TO 90%

CHALLENGES

Organizations today are dealing with a large spectrum of devices which all need to be securely networked, often times using costly ISDN or MPLS lines to securely communicate with remote locations. Every time a device is added to the network, new network and security policies are needed, yet according to a recent study, 95% of organizations report they do not have enough skilled IT staff to keep up. One consequence is the average time to get a device on the network, can be up to 7 weeks. As the number of devices continues to grow, and there is a shortage in the supply of workers with relevant IT skills, organizations must look for a new approach.

SOLUTION

Tempered Networks' IDN solution solves the problem of securely networking IoT, M2M, building automation and legacy devices. With our lightweight software, organizations can embed provable identities from the start for any IoT or M2M device, or use the integrated capabilities of HIPswitches such as cellular modem with automatic failover to eliminate the need to purchase multiple security and connectivity appliances to achieve secure connectivity over underlying IP networks. For example, many of our customers are using HIPswitches to replace their old IP radios, or to achieve secure connectivity for kiosks, PoS systems, HVACs , robotics, manufacturing, p2p web services, etc.

For systems that can't protect themselves, organizations can deploy physical HIPswitches to securely connect legacy equipment that use a combination of many different protocols and topologies, BACnet, serial-over-IP, cannot install clients on the hardware, or is simply running outdated or end-of-life software (such as XP).

SIMPLE MANAGEMENT OF IDENTITIES IN A HIGHLY SCALABLE WAY

Customers can simply and securely connect and protect any device in their network with a Tempered Networks solution that is cost effective and scalable. In this example, commercial IoT endpoints and BACnet building automation systems are securely cloaked behind HIPswitches, while also being seamlessly integrated into the corporate network.

TEMPERED NETWORKS

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