Many-To-One Remote Monitoring

Distributed Network Protocol 3 (DNP3) is a many-to-one remote monitoring communication industrial protocol. Utilized by a variety of Critical Infrastructure verticals, DNP3 is commonly used for telecontrol equipment and systems that require data transmission for monitoring geographically widespread practices remotely.

Secure DNP3 Communications

Any application utilizing the DNP3 protocol will have a master (controlling station) and one or more slaves (controlled stations). The master controlling station will constantly monitor the data from each slave in the network. The power transmission and distribution industry has a need to secure the communications between their master control station and their slaves, however, DNP3 is inherently un-secure. When DNP3 is paired with an industrial firewall, it is susceptible to attacks. Combining DNP3 with a hardware-enforced Owl data diode secures DNP3 remote monitoring communications for power transmission and distribution organizations.

Combine DNP3 with a Data Diode

Unlike industrial firewalls, the DNP3 protocol combined with an Owl data diode, provides hardened security that cannot be hacked. With less maintenance compared to industrial firewalls, this combined solution is the most effective method for power transmission and distribution organizations to securely collect monitoring data from their substations.
Owl Vendor, Application, and Protocol Support

Owl products allow users to streamline their operations by supporting a variety of vendors, applications, data formats, and protocols to send data securely.

**VENDORS**
- ABB
- Cisco
- Dell
- General Electric
- Honeywell
- IBM
- Industrial Defender
- Mitsubishi
- OSIsoft
- PAS Alarm Company
- Rockwell Automation
- Rockwell Collins
- Rolls Royce
- Schneider Electric
- Scientech
- Siemens
- Stratus
- Symantec
- Tripwire

**APPLICATIONS**
- FoxGuard Patch Management
- GE Historian
- GE OSM Support
- PAS Alarm Management
- Schneider Electric
- AVEVA Wonderware eDNA Historian
- Scientech R*Time
- OSIsoft PI System
- Rockwell Automation RSLinx Classic
- Rockwell Automation FactoryTalk Gateway
- Rockwell Automation FactoryTalk – Historian
- Rolls Royce PMS

**NATIVELY SUPPORTED PROTOCOLS**
- Email (SMTP)
- FTP
- Remote File Transfer
- SNMP Traps
- Syslog
- TCP
- UDP Unicast
- UDP Multicast
- UDP Broadcast

**AVAILABLE PROTOCOL ADAPTORS**
- DNP3
- HTTP
- ICCP
- IEC-104 Monitoring
- Modbus
- OPC A&E
- OPC DA
- OPC UA
- Remote HMI Screen Replication
- SQL Database Replication
- SFTP