OWL Cyber Defense

OLFS

Owl Log Forwarding Service
Software Module

FEATURES

- Real-Time Information Transfer

- Delivery of Log Files to Enterprise Network Managers

- Hierarchical Log File Naming for Enterprise Scalability

- Total Log-File Replication of File Transfers

- Automatic Administrator Email Notification of Anomalous Events

- Custom Client Log Support

Owl Log Forwarding Service

Owl Log Forwarding Service (OLFS) is a software application that allows privileged administrators to collect and monitor log information from Owl perimeter defense platforms. The logs provide information on one-way data transfer activity, system performance and health, and a wide range of alerts, such as error conditions and admin keyword notifications. Using OLFS, operators can oversee the health and effective throughput of a single one-way system, multiple application instances on a single system, or multiple discrete systems.

The Owl Solution

OLFS provides a secure, automated method for the collection of performance data from an Owl data diode. The performance information generated by Owl data diode products is captured from both the send and receive sides and is transmitted to a remote server for use with a monitoring and management tool, such as Owl OPMS or a third party tool like HP's Openview. Individual transfer applications (i.e. file transfers vs. video streams) operating on the Owl data diodes, along with overall system activities, can be tracked, examined, and performance levels checked.

LOG MANAGEMENT

When operators must use a network monitoring/management platform other than the Owl Performance Management Service web display, OLFS Receive decrypts the log replicate datagrams containing information on system performance, Owl application status, and registered third-party keyword log entries.

Datagrams are then sent to an third-party enterprise-level network manager (like HP OpenView), or in file format for administration and analysis.

DATA DIODE

LOG TRANSFER

LOG MONITORING & MANAGEMENT
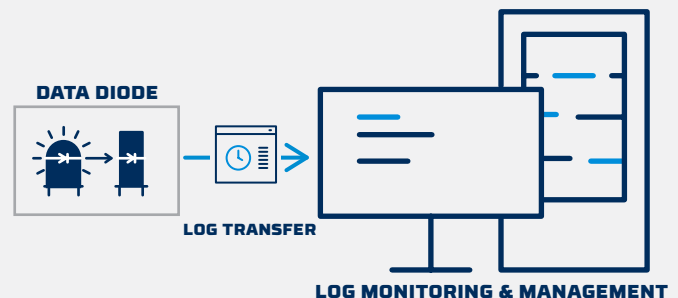
Regulatory Compliance, System Reliability

DATA DIODE TECHNOLOGY

Owl's data diode technology is built around patented circuitry which physically only allows data to flow in one direction, thereby preventing all network-based cyber attacks. The design also includes a protocol break which terminates all Ethernet traffic, transfers the payload via the ATM protocol and then converts it back to Ethernet. This has the unique benefit of hiding all the IP and MAC address information from the outside world and preventing any probing of the network. This technology comes in different form factors depending operational environment.

The administrators of electronic perimeter security and cross-domain deployments are required by regulation or best practices to offload log activity records for analysis, archiving and possible retrieval. This task is often performed manually at a deployment's local management console. OLFS provides a secure, automated method for the remote collection of log data, and its subsequent use by network managers.

Compatible Platforms

OPDS-100D
OPDS-100
OPDS-1000

OWL ENTERPRISE PERIMETER DEFENSE SOLUTION (EPDS)

Owl uses a pair of Dell PowerEdge servers or equivalent.

OWL Cyber Defense

Owl Cyber Defense Solutions, LLC leads the world in data diode and cross domain network cybersecurity. With a constant focus on customers in the military, government, critical infrastructure, and commercial communities, Owl develops market-first, one-way data transfer products to meet a variety of operational needs, from entry level to enterprise.

For more information on Owl, or to schedule a demo, visit www.owlcyberdefense.com

@OwlCyberDefense   203-894-9342 | Info@owlcyberdefense.com