



Owl ScanFile Management System OSMS

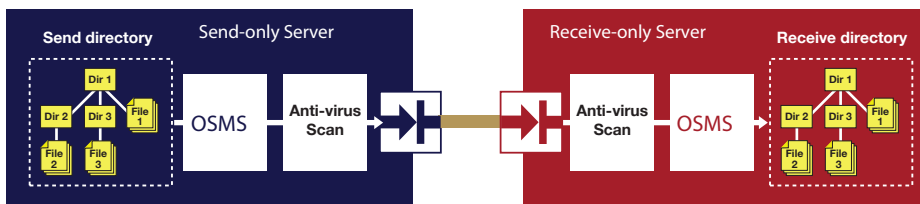
Owl Computing OSMS is designed to support the efficient and safe transfer of data from a lower security network to a higher security network, and to operate as a network service permitting multiple, authorized users. OSMS processes document malware scanning and quarantine subsystems and efficiently reports the results — exceptions, transaction audit information, and syslog data. OSMS delivers the processed document to the DualDiode® controlled interface for transfer to the higher security network destination.

Owl ScanFile Filtering

OSMS is a directory and file transfer application that incorporates one or more user-defined virus scanners to perform malware and virus scanning of content to be sent between network domains. In UNIX environments (with other OSs shortly), OSMS first filters on file extension type (e.g., .txt, .doc, .ppt). Purifile™ software may also be selected to examine content. Accepted file types are scanned for malware and viruses; file types not meeting user file-extension criteria are quarantined.

For the malware scanning component of OSMS, Owl software is structured to allow any antivirus scanner to be incorporated. Users most often will obtain the necessary licenses for the anti-virus file scanner they intend to use. These include McAfee VirusScan Command Line Scanner™ and Symantec Scan Engine™.

Owl information transfer applications and communication cards function in a wide range of operating system environments, including Windows, Solaris, and Linux. All applications support the Owl log file-management system, and the maintenance of historical information on data transfers (such as data archiving, aging, etc.).



Owl ScanFile Management System
showing virus scanning at both Send and Receive

- Absolute one-way transfer
- DualDiode® Technology
- Total network isolation/Discrete domain separation
- Trust-nothing design/No backchannel



SECURE. RELIABLE. FAST.



NIAP Common Criteria EAL-4 Certified*

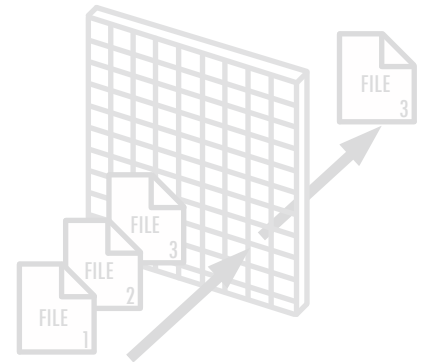
* Owl 2500 cards and Owl 155 v.3 & v.4 cards
EAL-4; Owl 155 v.1 & v.2, EAL-2

APPLICATIONS:

- Low-to-high security upguard
- Automated cross-domain solution
- Real-time information transfer

FEATURES:

- Drop-in deployment transparency
- Broad OS support
- Wide support of anti-virus/malware scanning applications
- Log file-management system
- Editable file processing scripts



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DualDiode® Technology

A pair of Owl Communication Cards (Send-only and Receive-only), with Owl internally developed drivers, forms a Dual in-line Diode; each card is custom-manufactured to permit one-way-only data transfer. Security for the one-way transfer is enforced at both the send and receive nodes in this exclusive Owl design - neither diode requires a trusted state with the other. Application-specific software (for files, TCP packets, etc.) completes the individual Owl product offering.

Owl One-Way DualDiode Technology design securely protects the send- and receive-network domains. No information of any kind, including handshake protocols (TCP/IP, SCSI, USB, serial/parallel ports, etc.), pass from the destination computer/network back to the source computer/network. Owl's one-way transfer is a dedicated point-to-point link and requires no additional machine configuration (such as IP). This "trust-nothing" design ensures that data residing on each isolated network is fully protected.

Owl products have "Authorization-to-Operate" ATO status within many government agencies. There are over 1000 deployments Secured by Owl throughout the Department of Defense and the US Intelligence community, and the industrial control system industry.

About Owl Computing Technologies: a U.S.-owned & operated Small Business Owl Computing Technologies, Inc., based in Ridgefield, Connecticut, is a privately funded US company.

Owl has an exclusive licensing agreement with Sandia National Laboratories, with worldwide rights to develop and market products originally based on Sandia's patented data diode technology. Sandia National Laboratories is a U.S. National Laboratory operated by Sandia Corporation, for the U.S. Department of Energy.

Owl Computing develops and markets Secure Information Transfer Systems for files and directories, UDP- and TCP-based traffic, for multiple streaming video sessions, and other formats — please call for more information.

Visit us at www.owlcti.com



SPECIFICATIONS:

DualDiode® Technology hardware

Two custom-designed network interface communication cards – one Send-Only, one Receive-Only

Owl 155 Communication Cards

Fiber-optic multimode, 62.5/125 ST-ST
155.52Mbps link speed
15 MegaBytes/s user throughput

Owl 2500 Communication Cards

Fiber-optic single mode, LC-LC
2.488Gbps link speed
Clear-channel 2500 – 270+ MegaBytes/s user throughput
Channelized 2500 — supports up to 8 discrete application connections across 1 physical link; user throughput 65+ MegaBytes/s per connection

Owl 052 RJ-45 Communication Cards

Copper cabling
52Mbps link speed
5 MegaBytes/s user throughput

DualDiode Communication Card

Software:

Secure Transfer System Send/Receive drivers & Send/Receive install software

User Application Software

A wide range of Owl applications for file/directory, TCP/IP, UDP, and UNIX syslog message & SNMP TRAP one-way transfer

Compatibility

Dell PowerEdge, Sunfire and Sun Blade, HP Proliant (for other platforms, contact Sales)

Operating Systems:

SPARC SOLARIS® 8, 9, 10
SOLARIS® on Intel®
TRUSTED SOLARIS®
RED HAT® LINUX® [SE LINUX®]
Microsoft WINDOWS® XP
Microsoft WINDOWS® 2003