Owl Computing Technologies®

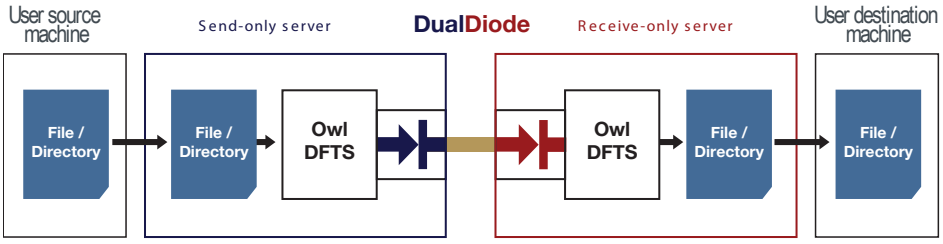
DFTS GOV

Secure File/Directory Transfer System DFTS

Owl Computing DFTS application software enables secure, reliable, fast, one-way file-based information transfer. In conjunction with Owl DualDiode® Communication Cards and related software drivers, DFTS securely transfers files and directories unidirectionally between discrete networks, in certified and accredited cross-domain solutions.

DFTS transfers files of any type, with no size limitations, and replicates directory tree structure. In a low-to-high security example, file data originates anywhere on the lower-security network. It is moved into a file or subfolder within a designated directory of the user source machine, or the Owl server equipped with an Owl Send-Only communication card. DFTS examines the directory; finding a file identified for transfer, it exploits DualDiode technology, transferring the information from the Owl Send-only platform across a fiber-optic or copper link, to the Receive-Only Owl platform. The received file may then be manipulated via Owl editable scripts or customer programs for further transport to storage or an actionable user destination.

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.).



DFTS Directory/File Transfer System

Applications:

- Cross-domain solutions
- Real-time information transfer
- Upguard / downguard operations
- Controlled interface
- Sneaker-net / walk-net replacement
- Double-firewall architecture replacement

Features:

- Drop-in deployment transparency
- Broad OS support
- Log file-management system
- Editable file processing scripts

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

SECURED BY OWL

DualDiode TECHNOLOGY

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

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DFTS GOV

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
Server-mounted custom-designed 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

Owl CDS Small Form Factor
Two custom-designed communication cards – one Send-Only, one Receive-Only in PC104 form factor, each integrated with independent servers within an Owl CDSSFF chassis -- fiber optic link speed 104Mbps, with user throughput at 10 MBytes per second

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