

Accreditable, & Readily Deployable

OCDS-ST01 integrate all the elements of a source-to-destination firewall cross-domain solution. In the tactical space, this certified, approved-to-connect, cross-domain solution operates in a Secure Extensions Linux® "locked down" environment. OCDS-ST01 can be configured to meet a range of deployment needs -- two such applications are the secure transfer of streaming full-motion video, and files examined by user-selected virus/malware scanners & filters. Intelligence may be gathered in an unclassified environment, and moved across domain boundaries to a classified analysis network. Owl proprietary DualDiode® technology is at the center of OCDS-ST01, providing the data confidentiality and domain separation elements of a robust information transfer system.

The Owl Solution

The OCDS-ST01 can be configured to meet a range of deployment needs, including the secure transfer of files and streaming full-motion video. Owl proprietary DualDiode® technology is at the center of the OCDS-ST01, providing the data confidentiality and domain separation elements of a robust information transfer system. Intelligence gathered in an Unclassified environment can be examined by user-selected virus/malware scanners & filters and then moved across domain boundaries to a Classified analyst enclave. Accreditable, and readily deployable, the OCDS-ST01 can be deployed in both back-office enterprise environments or out at the tactical edge to expeditiously meet the demands and needs of theatre commanders.



Owl Uses a Pair of Dell PowerEdge Servers

Features

- Readily deployable CDS
- Integrated support for full-motion video, sensor data, & file transfers
- Firewall-to-firewall CDS solution

Benefits

- "Locked-down" SE LINUX OS
- DualDiode data confidentiality
- Wide support of anti-virus/malware scanning applications
- 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

Owl delivers the OCDS-ST01 product ready for deployment to environments, like the tactical edge, to expeditiously meet the demands and needs of theatre commanders.

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 OCDS-ST01 has been approved for deployment and has a completed certification risk rating, which simplifies and speeds accreditation requirements for user-specific deployment instances.

Owl provides all the documentation sought by accreditation entities, and users, alike. And, Owl provides singlepoint-of-contact service & support for accredited and operationally deployed OCDS-ST01 units.



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Hardware 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 10G v7 Communication Cards:

DualDiode® Technology OCCs, and drivers enable one-way-only data transfer at 1.25, 2.5 and 10Gbps.

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

Operating Systems:

RED HAT® LINUX® SE LINUX®



Owl Uses a Pair of Dell PowerEdge R620 Servers

About Owl

For over 16 years Owl Computing Technologies has been implementing next generation cybersecurity solutions for critical networks. Owl's DualDiode Technology®, a proprietary data diode, boasts 24 technology patents and has over 2,000 successful deployments globally across intelligence, government, military, financial services, utility, energy, and other critical infrastructure networks. Owl's hardware-enforced technology ensures secure networks and enables the reliable and robust transfer of all data types and file sizes.

