Company Overview

A regional US bank with over 150 branch locations, 100,000 customers and a high demand transaction environment.

Cybersecurity Challenge

To mitigate cyber threats, the bank isolated their transaction center from all external networks. However, due to the high demand on the system, bank operations needed to be monitored constantly to assure peak performance and downtime as close to zero as possible. The bank required a way to enable on-call IT staff to remotely monitor banking operations 24x7 without opening the transaction center back up to external cyber network threats.

Requirements:

1. Preserve “disconnected” architecture of transaction network, with no connections or access from external networks
2. Permit alarm and event notifications to be transferred to on-call IT staff for remote monitoring of transaction center systems

Benefits:

- ALARMS
- TRANSACTION PROCESSING
- EVENTS
- ON-SITE MONITORING
- NO OFF-SITE MONITORING
SOLUTION
OPDS-100 was selected to preserve disconnected nature of the bank transaction network and enable deterministic, one-way data transfer of performance, alarm and event files to IT staff for remote monitoring.

Deployment

Results

1. Provided deterministic outbound flow of performance, alarm and event files, including email notifications.
2. Enabled IT staff to remotely monitor performance, alarm and event data from transaction center.
3. Created secure, hardware-enforced boundary around the bank transaction network to preserve disconnected architecture.

OPDS-100
Owl Perimeter Defense Solution - 100
Self-contained 1U data diode, purpose-built for network segmentation and deterministic, one-way data transfer.