



# KUZGUN

## KUZGUN v1N Cross Domain, Secure Data Exchange Solution

A Standalone Gateway Solution for Secure Data Transmission  
Integrity Guaranteed.



Designed and developed for the ever increasing security threats over cross domain communications.

Futureproof technology to enable; secure, directional / bi-directional data transmission between networks of different clearance levels without compromising; disclosure, leakage or data intercept attempts.

Protect your data and network simultaneously.



### End-to-End Protection

Solution utilizes COTS hardware and power of a customized Linux operating system, for high speed data analysis and data transmission between networks. Software analysis tools handle deep data scanning to guarantee data transmitted is free of potential threat signatures.



### Secure Data Exchange

Product supports on the fly data encryption/decryption for unsecure interim data networks. System eliminates intrusion in between connected networks using a middleware storage processor. Storage hosts the data to be transmitted temporarily and the data is encrypted during the transaction.



### Agentless Cross Platform Solution

Solution isolates clients behind the VAG solution not against direct access, man-in-the-middle type hacking attempts and with the deep scanning capability, ensures that the transferred data is fully compliant to the security challenges of the safe network. No agent software is required.



# Secure Data Gateway

## Technical Specifications

### Hardware Specifications

#### Virtual Air Gap Configuration

Server Quantity : 2  
Storage Server Quantity : 1

##### Server Specifications

- Internal and External servers are identical
- Servers include Intel Xeon type CPUs
- Servers utilize fiber optics NICs for connectivity
- Servers are compatible with 19" racks
- HBA fiber controllers are used for storage access
- Operating System runs on 2 drives in RAID1 mode
- Local storage runs on 3 drives in RAID5 mode
- Servers include dual - redundant - hot plug power supplies

##### Storage Server Specifications

- Storage is compatible with 19" racks
- Quantities for drives are in 8 - 12 - 24 stacks
- HBA fiber controller is used for Internal and External servers

#### Data Isolator Configuration

- Data Isolator filters traffic in a uni-directional state
- System has a web based management user interface
- Server hardware specifications are identical with Virtual Air Gap servers
- System utilizes the following techniques for traffic inspection; packet filtering, semantic filtering & rate filtering
- IP address & MAC filtering capability
- External syslog export and remote connection capability

#### Options

- Integrated Firewall
- Mobile Management Console
- Integrated Log Server
- Switches and routers
- IPS & IDS

#### Environmental Specifications

- Operational temperature: +10°C / +35°C
- Humidity: %10 - %80 @23°C
- Power: 220V AC 50Hz (+/- %5 tolerans)
- Mechanical: 10U rack space needed