SAHAB | 2D
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CROSS DOMAIN NETWORK SOLUTION

#InformationTechnologies

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CROSS DOMAIN NETWORK SOLUTION

SAHAB 2D is a unique cross domain solution that realizes mission-critical real-time operations fundamentally by preventing transit TCP/IP traffic.

SAHAB 2D is designed for public or private organizations and government agencies that require exchange of information through defined services to full fill mission-critical operations.

SAHAB 2D runs on internal and external host machines on top of customized and hardened Linux operating system and mediates the information flow with the support of external security devices installed in its environment.

SAHAB 2D system is deployed between an external network and private network and does not use IP-based communication internally. Therefore, the SAHAB 2D actually forms a "virtual air gap" border providing high-level security.

SAHAB 2D is protected by a number of security components in order to function appropriately. These components include firewall (FW), network-based intrusion detection system (NIDS), protocol filter and host based intrusion detection system (HIDS) working on both servers.

Information flow over SAHAB 2D is bi-directional; through external to internal network and vice versa.

The communication between SAHAB 2D Servers is encrypted and signed.

Software and Security
- Customized and hardened Linux Operating System
- Internal Firewall
- Internal IDS
- System Integrity Control
  - Signed Codes
  - Obfuscation
  - Message Encryption Algorithms
- Audit/Log Software

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