Data Forwarding Application

Working to become a dependable partner of choice

BAE Systems Insyte's information security products enable classified information sharing, while enforcing network segregation. Highly evaluated, these products provide unrivalled data security and are available off-the-shelf or as part of a total system solution.

The Interactive Link Data Diode (IL-DD) and Data Pump Applications (DPAs) enable organisations to share information over networks operating at different classifications. Data transfer into a higher classification is achieved while data flow in the opposite direction is prevented, ensuring data confidentiality.

Data diode
The Data Diode is a 100Mbps fibre optic hardware device connected between two servers attached to their respective security domains. DPAs, installed on the servers, provide a unidirectional mechanism for transmitting different data types through the Data Diode. These basic DPAs, provided by BAE Systems, can be integrated to meet an organisation's specific data transfer requirements.

Data forwarding application
Data Forwarding Application (DFA) is a DPA used to transfer of internet protocol (IP) packets from lower to higher classifications. It is used by organisations that need to transfer streaming data such as video, audio and sensor data with minimal latency. DFA works by redirecting IP packets addressed to specific IP addresses and ports on the lower classification through the Data Diode to the higher classification. DFA also supports multiple UDP and TCP IP streams.

Features
– Supports multiple UDP and TCP data streams
– Packet delivery with minimal latency
– Extensive audit and trace logging
– Configuration client for intuitive local and remote administration
– Tunable parameters optimise the system for the specific environment.

Security certification
The first and only product in the world awarded the highest security certification, EAL 7+, under the NIAP Common Criteria scheme.

INTEGRATED SYSTEM TECHNOLOGIES
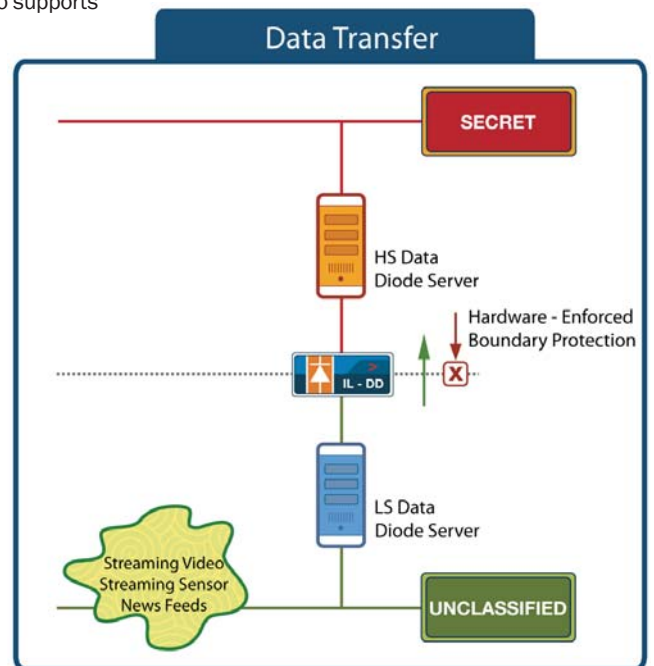
BAE SYSTEMS

SERVER REQUIREMENTS

Technical requirements for servers running the DFA software and connected to the Data Diode.

Operating system

These server operating systems are tested and supported by BAE Systems' software solutions and servers:

– Microsoft® Windows 2003/2008 Server

– Redhat® Enterprise Linux 4 & 5.

System requirements

The minimum requirements for Interactive Link server components are:

– Pentium® 4 or equivalent CPU (for Windows or Linux)

– 512 MB memory

– 1 GB of free hard disk space.

Higher server specifications increase the system's ability to perform at greater throughput rates.

The DFA software requires the Data Diode.

The Interactive Link product suite is originated from Defence Science and Technology Organisation (DSTO) technology.

FOR MORE INFORMATION CONTACT: