SDoT Software Data Diode.

SDoT
Software Data Diode

Security at the highest level.

At a time when cyber threats are constantly on the rise and the security of sensitive data is a top priority. The uni-directional data transmission ensures the protection of your sensitive systems by controlling the flow of data in one direction, minimizing the risk of data leaks/data loss.

Unlike traditional optical based software data diodes, we offer transparent communication: with HTTP Status Codes, users receive immediate feedback on the status of the data transfer (e.g. success, error, forwarding), which facilitates troubleshooting and the management of data streams.

Improved monitoring: HTTP Status Codes enable detailed monitoring and logging of data transmissions, which supports incident analysis and compliance with security policies.

External proxies are not required. The SDoT Software Data Diode can be implemented either as a semi-ruggedized version (standard red version) or as a ruggedized version (green version). Our security cleared experts configure and implement your SDoT Software Data Diode according to your specific requirements.

In 2024 the infodas SDoT Software Data Diode received the approval from Bureau Veritas (Certificate number 75695/A0 BV) in accordance with the IACS standards UR E26 and UR E27 as well as the CC EAL5+ approval.

DEU SECRET EU SECRET NATO SECRET COMMON CRITERIA BUREAU VERITAS

Transmission confirmation with HTTP Status Codes: Simple feedback options between server and client using status queries via HTTP Status Codes.

Uni-directional data transfer:
Fast and secure high-performance uni-directional data transfer via numerous protocols between two differently classified networks.

Unique and evaluated security architecture:
Our SDoT Software Data Diode was developed according to the principle of "Security by Design" and is based on a L4 microkernel operating system, which ensures the logical isolation of services and thus reduces the attack surfaces.

Strictest security requirements:
We meet the highest security requirements and hold approvals up to DEU SECRET, EU SECRET and NATO SECRET.

Bureau Veritas Certification Number 75695/ AO BV

Common Criteria CC EAL5+

Application scenarios.

Defense sector | Intelligence services | Authorities | Industry

Use Cases:

- Oil platforms
- Power plants
- Water treatment
- Transfer of sensor data (e.g. radar, ELINT)
- IT service management
- Video and audio streaming
- Patches and malware signatures
- Logging and backup
- Transfer of OT data
- Managed Security Services (e.g. SIEM to SOC)

Functioning of the SDoT Software Data Diode.

Permitted and prohibited data transfer

Cybersecurity Made in Germany.

SecurITy made in Germany

Since 1974, **infodas** has been a pioneer in its sector, offering hardware & software based Cross Domain Solutions and consultancy for Cyber- and IT-Security. Since 2024, infodas is an Airbus subsidiary specialized in Cyber & IT.

Our Cross Domain Solutions cover a wide array of uni- and bi-directional use cases with structured and/or unstructured data supporting various protocols. They hold **DEU SECRET, EU SECRET, NATO SECRET accreditations and some of them are certified for NITES and Common Criteria.**

Get in touch with our cybersecurity experts:

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infodas
connect more. be secure.