

KNOWIT DATAUNIT

Triton SP™ – Triton Secure Platform™

Is a modular and lightweight highly flexible security platform for systems handling classified information up to the level of Swedish national HEMLIG/SECRET (comparable with NATO SECRET).

Triton Secure Platform provides a high level of security combined with a modular lightweight concept, allowing for a security solution tailored to the security needs of different systems. An important part of the concept is to limit the need for extra servers for pure security functions.

TRITON SECURE PLATFORM CONCEPT

Triton Secure Platform is a modular security solution aimed for use in IT-Systems intended to handle classified information up to the level of HEMLIG/SECRET. On Triton SP, different applications can be integrated to ensure a high level of security

The Platform is module based to ensure a high grade of flexibility and the possibility to meet the diverse needs that occurs in such a complex environment as that of the Swedish Armed Forces.

The Triton SP consists of Hardware, Core Services and separate modules depending on the customers' requirements.

HARDWARE

Hardware depends on specific customers' requirements but can consist of Tempest certified computers, printer, card reader, crypto etc

CORE SERVICES

HARDENED OS

The installation of Triton SP hardens the operating system (Windows 7). The hardening can be modified to conform to certain hardening requirements.

AUTHENTICATION USER/NODE

The core services of Triton SP support authentication both at a user level and at a node level. This means that apart from authenticating the user there is also authentication between clients and the server.

This is done in order to achieve a security domain that spans the entire IT-system.

TRITON SECURE PLATFORM

Triton SP consists of **Hardware**, **Core Services** and different modules depending on customers' requirements. These **modules** are at the moment:

SECURE DELIVERY

Triton SP includes a PKI-based infrastructure to ensure that the entire chain from source to delivered binaries can be trusted.

FILE VERIFICATION

The File Verification functionality of Triton SP enables a simple and quick way to certify that binary files present in the system are the correct version and has not been tampered with.

ANTIVIRUS

Triton SP includes an enterprise-quality antivirus solution based upon McAfee Antivirus with a tailored configuration.

SECURE STATE

Triton SP also contains a secure state function which puts the IT-System in a well-defined secure state whenever a Triton SP security function fails.

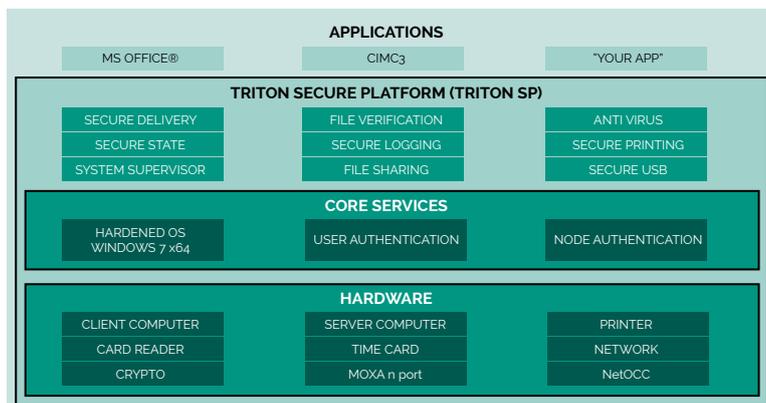
SECURE LOGGING

Triton SP facilitates a secure logging function which has been developed according to the Swedish KSF requirements for secure logging in HEMLIG/SECRET systems.

SECURE PRINTING

Secure Printing is a secure printing system which does not require extra hardware. It ensures that only authorized personnel can fetch the printout, through use of smart card authentication. The Secure Printing

YOUR TRITON SYSTEM



Example of system using Triton SP.

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Triton SP™ – *continued*

function also bypasses the OS printing subsystem in order to achieve a higher level of assurance.

SYSTEM SUPERVISOR

Triton SP contains a supervisor which supervises the system, in order to make sure important services are running correctly. This includes real time examination of process start/stop, active probing of firewall and anti-virus.

FILE SHARING

Triton SP contains an integrated solution for file sharing between clients. The files are stored on the server. Traceability to which user that accesses or changes a file is supported.

SECURE USB

Triton SP contains a mechanism for importing and exporting data using USB flash drives. First, in order to use an USB flash drive it has to be approved by a system administrator on an individual level. Secondly, files that are read/written from/to an USB flash drive are logged with corresponding user name, time, etc.

REFERENCES

Triton Secure Platform is the base of the security solution in the next generation of a Military Message Handling in the Swedish Armed Forces.