Sobol

Trusted boot module

Integrity check before OS startup
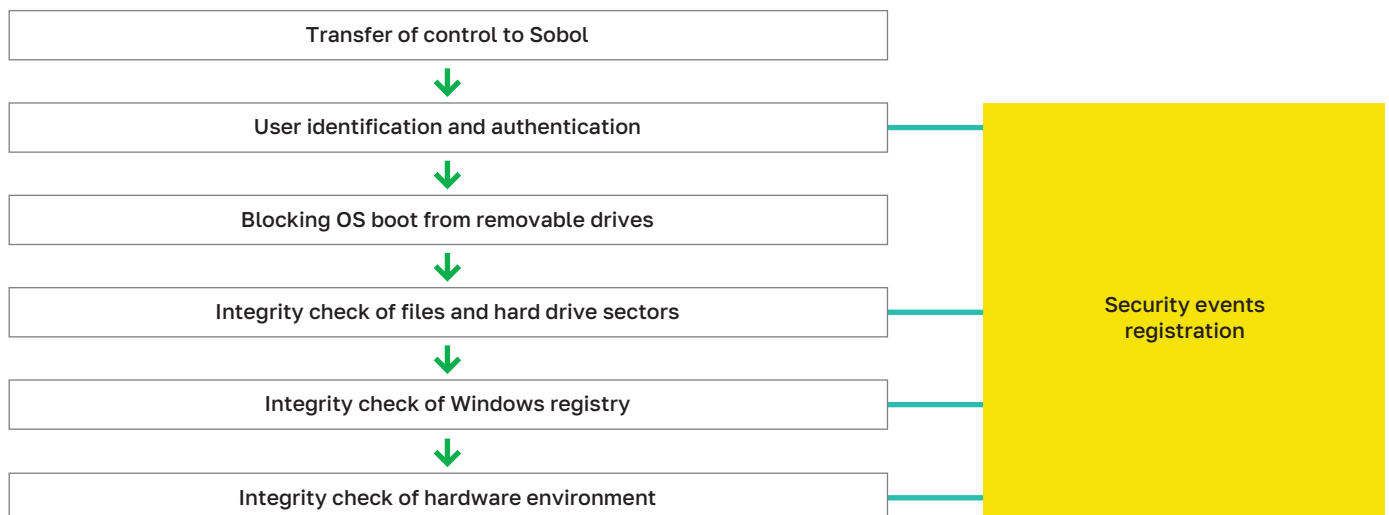
Integration with Secret Net Studio and Secret Net LSP

Easy to install, set up and operate

Operating principle

Transfer of control to Sobol
⬇
User identification and authentication
⬇
Blocking OS boot from removable drives
⬇
Integrity check of files and hard drive sectors
⬇
Integrity check of Windows registry
⬇
Integrity check of hardware environment

Security events registration

Key features

Software environment integrity control
- Integrity control of files and physical sectors of the hard disk, as well as file systems: NTFS, FAT16, FAT32, EXT2, EXT3, EXT4 in Linux and Windows OS.
- Compatible with a wide list of Windows and Linux versions.

Identification and authentication
- Compatible with personal electronic identifiers:
  - USB tokens;
  - Smart cards;
  - iButtons.
- Allows the operating system to boot from the hard disk only after presenting a registered electronic identifier.

Secret Net Studio and Secret Net LSP seamless integration
- Enhance integrity control on workstations and servers protected by Secret Net Studio.
- Automatic transfer of security event log to Secret Net Studio.
- A single identifier for Sobol, Secret Net Studio, Secret Net LSP, operating system login and electronic signature storage.
- Secret Net Studio full-disk encryption support:
  - Allows Sobol to access resources on encrypted disk partitions created by Secret Net Studio encryption tools.

Logging
- User login fact and user name.
- Presentation of an unregistered identifier.
- Entering an incorrect password.
- Exceeding the number of login attempts.
- Date and time of unauthorized access events.
- The log entries are stored in a special non-volatile memory.

Live-CD boot prevention
- Ensuring the prohibition of loading the OS from removable media (USB, FDD, DVD/CD-ROM, LPT, SCSI ports, etc.).

Windows registry integrity control
- Protection of workstations from unauthorized actions inside the operating system.

Hardware environment integrity control
- Immutability control of PCI devices, SMBIOS and other hardware.

Watchdog timer
- Blocks access to the computer, if control is not transferred to Sobol, when it is turned on.

Able to solve

- Unauthorized access prevention.
- Integrity check of information system's components.
- Prohibition of loading the OS from external media.
- Protection of confidential files.

Available interfaces

PCI Express	Mini PCI Express Half Size	M.2 A-E
57x80 mm	26x30 mm	22x30 mm