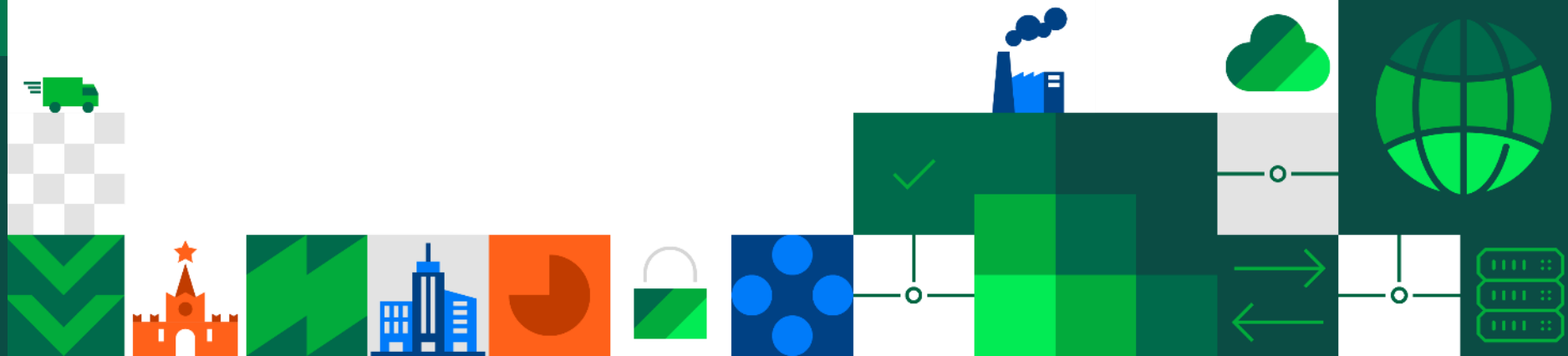




Sobol



About the product

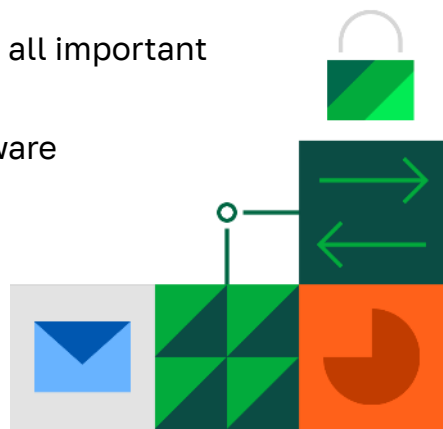


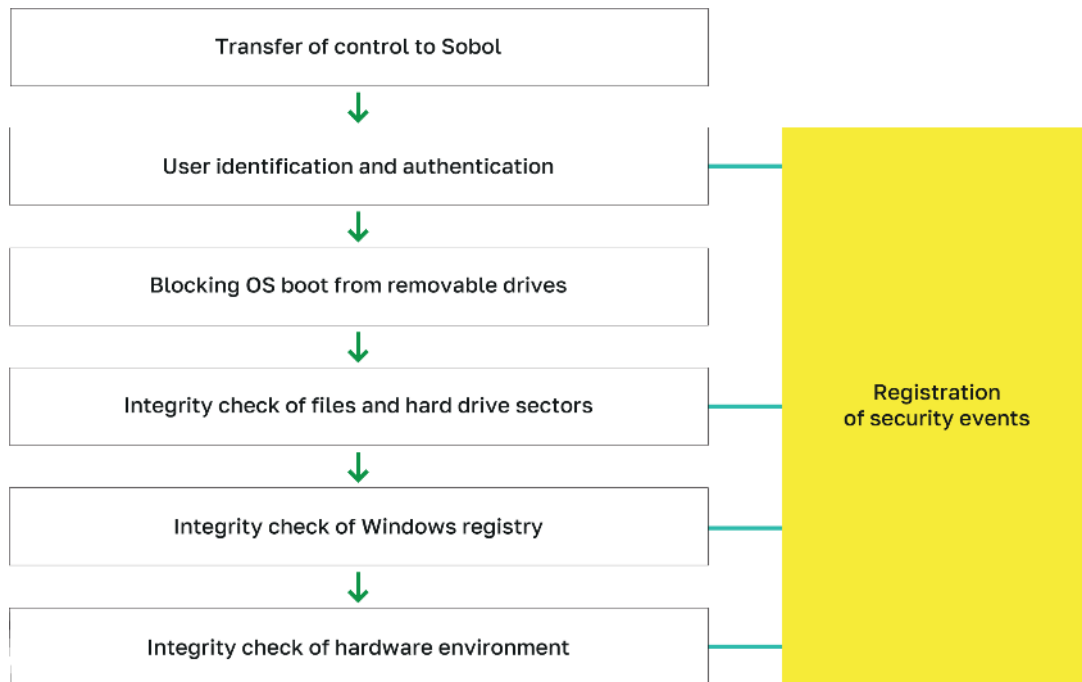
Sobol

Reliable software and hardware complex for trusted boot of operating system.

Designed to solve the following tasks:

- ✓ Protection of confidential information, personal data
- ✓ Prevention of unauthorized users from accessing information processed on the computer
- ✓ Informing the administrator of the complex about all important information security events
- ✓ Provision of random numbers to application software





File system

- NTFS
- FAT 16
- FAT 32
- EXT2
- EXT3
- EXT4

Operating system Windows

Guaranteed compatibility with Windows OS versions:

- Windows 10 x64/x86
- Windows 8.1 x64
- Windows 7 x64 Edition
- Windows 7 (SP1)
- Windows Server 2008 R2 (SP1)
- Windows Server 2012 R2
- Windows Server 2016
- Windows Server 2019

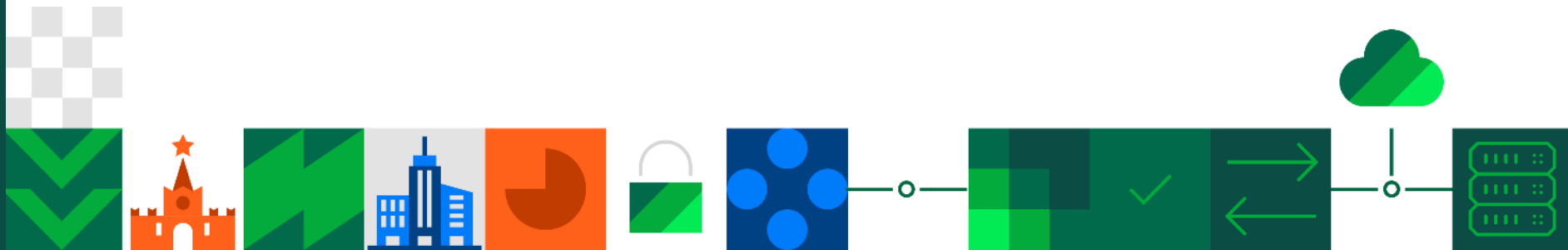
Operating system Linux

Guaranteed compatibility with Linux OS versions:

- CentOS
- Continent OS
- Debian
- ROSA RED
- Oracle Linux
- SUSE Linux Enterprise
- Ubuntu
- ESXi



Product line





PCI Express
























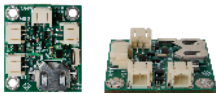



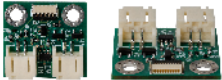


Mini PCI-E Half



M.2 A-E

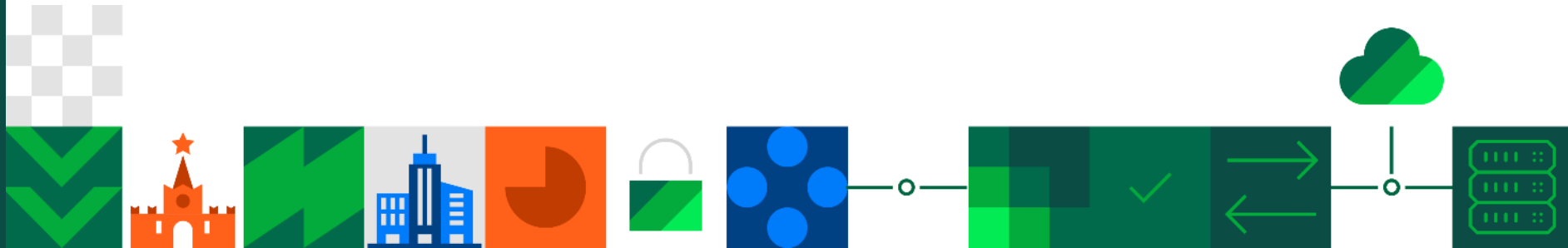


Adapter	Connector RJ-12 (External iButton reader socket)	Connector TM (Internal iButton reader connector)	Connector RST (Reset button cable connector)	Connector WD (Watchlog cable connector)	Connector X5
1 					
2 					
3 					
4 					

Adapter (WD-модули)	Connector TM (External iButton reader connector)	Connector TM (Internal iButton reader connector)	Connector RST (Reset button cable connector)	Connector WD (Watchlog cable connector)	Connector TAMP (Chassis intrusion connector)
1 					
2 					
3 					



Key features



- ✓ The identification and authentication mechanism of Sobol ensures the verification of user credentials to access a protected computer each time a user attempts to log on.
- ✓ User identification and user authentication are performed each time a user logs on to the system protected by Sobol.
- ✓ Sobol identifies a user by a security token unique identifier. To authenticate, Sobol verifies a user's password using a user Secure ID.



Security tokens:

- iButton
- USB token
- Smart card

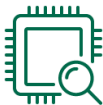


Ready to be used on:

- Servers
- Desktop computers
- Laptops



Sobol functionality:



Hardware configuration integrity control



Files integrity control before loading the OS



Windows registry integrity control

Result of use:



Detecting advanced attacker activity



Rapid response to a security incident



Reducing resources for liquidation

Sobol functionality:



Sobol denies access to removable drives (floppy disks, ZIP, USB drivers, etc.) until an OS is loaded. Access is granted after a successful OS boot.



A boot using removable drives is denied for all users except the administrator.

Result of use:



Reducing the risk of unauthorized access to data.



Sobol functionality:



The watchdog mechanism blocks access to the computer if the UEFI/BIOS Option ROM is not provided with control after the computer is turned on and the specified time interval, called a watchdog timer timeout, expires.

Result of use:



Prevention of bypass of the complex by an intruder.



Sobol functionality:

Events logged by Sobol

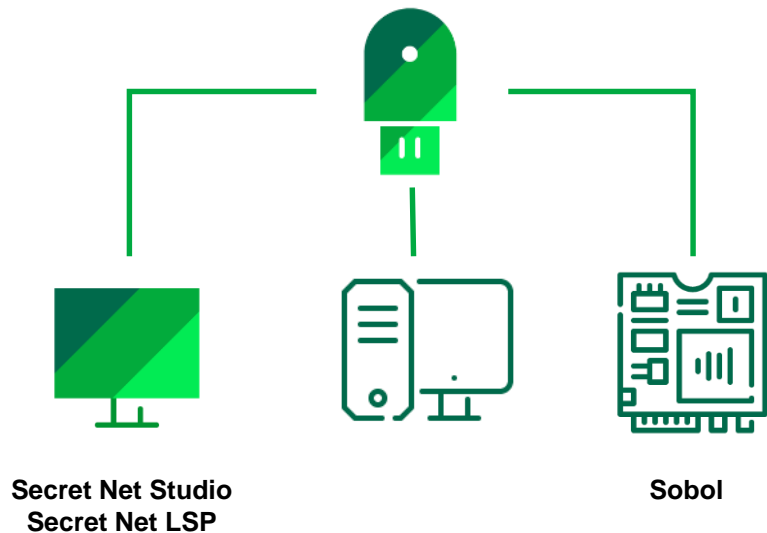
- ✓ Login fact and username
- ✓ Presentation of unregistered identification
- ✓ Entering an incorrect password
- ✓ Exceeded number of login attempts
- ✓ Date and time of unauthorized access attempts

Result of use:



Assistance in incident investigation





Single identifier for:

- Sobol
- Secret Net Studio/Secret Net LSP
- Login to operating system



Windows



Secret Net
Studio

Data



Windows



Secret Net
Studio

Data



- Strengthening integrity control on workstations and servers
- Full-disk encryption support Secret Net Studio



Thank you!

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