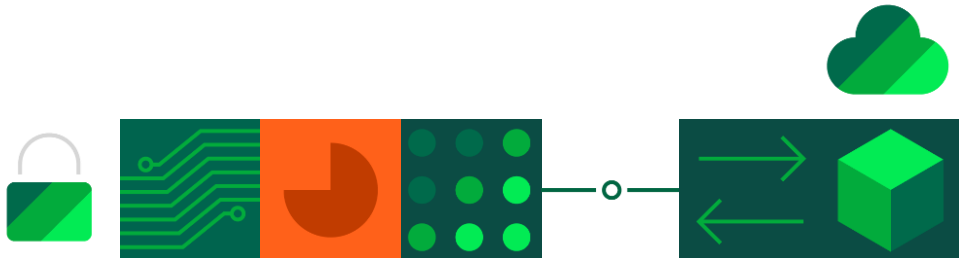
SECURITY code

Secret Net Studio



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Threats to the information system

Malware infection

Unauthorized access to confidential data

Unauthorized modification of the application software

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Threats to data

Data theft by an external attacker

Data loss as a result of an attack by an encryption virus

Data leakage as a result of the actions of an internal intruder

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Threats to the local network

Lateral movement of the attacker

Traffic interception

The spread of computer viruses

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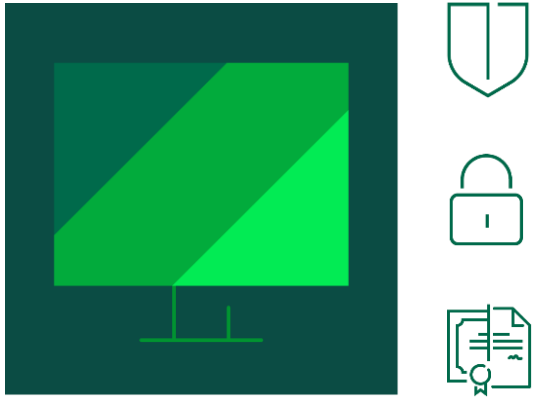
About the product



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Data Protection and Endpoint Security:

- Protection of confidential information
- Protection against intrusion and unauthorized actions of an attacker inside the system
- Protection from insider actions
- Protection against network attacks
- Protection against information theft in case of media loss

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Advantages

Reduction of expenses on information security system administration and personnel training.

High scalability, distributed infrastructure support.

Fast centralized security configuration according to Russian legal requirements.

Centralized Client management for Windows and Linux.

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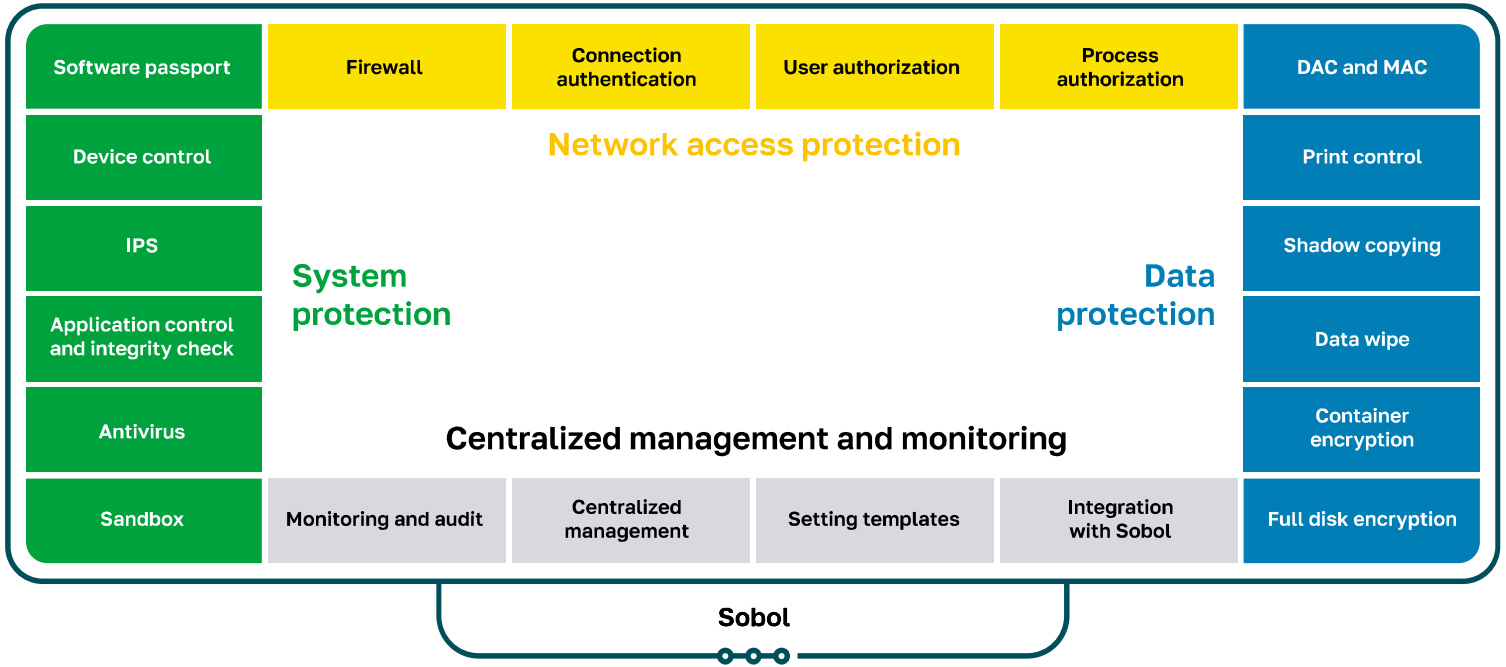

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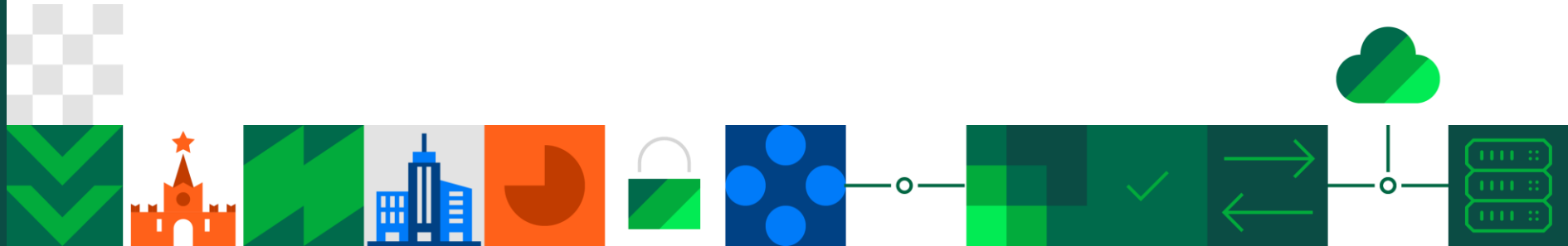
Key features



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Enchanced Login

- Sobol integration (single sign on)
- Two-factor authentication support using tokens (USB, SMART cards).
- Enforced password authentication, independent from internal Windows authentication.
- Session block on token ejection.
- Support of local and domain (AD) users.

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Mandatory Access Control

A category can be assigned to the following resources:

user session

system resources (physical and virtual)

files and directories

The mandatory access control mechanism ensures:

- ✓ control of user access to information with an assigned confidentiality category (confidential information);
- ✓ control of the connection and use of devices with assigned confidentiality categories;
- ✓ control of confidential information flows in the system;
- ✓ control of displaying confidential files in file managers;
- ✓ control of network interface use with assigned acceptable user session confidentiality levels;
- ✓ control of confidential document printing.

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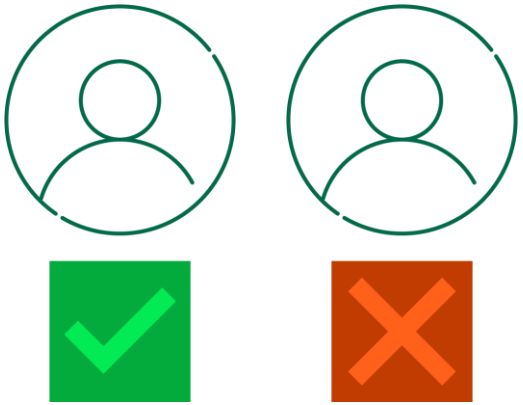
Discretionary Access Control



- Independent discretionary access control, additional to Windows DAC.
- Any file systems support, including FAT (not supported by Windows).
- Unified user interface.
- Discretionary access control to files, directories, devices, printers, etc.

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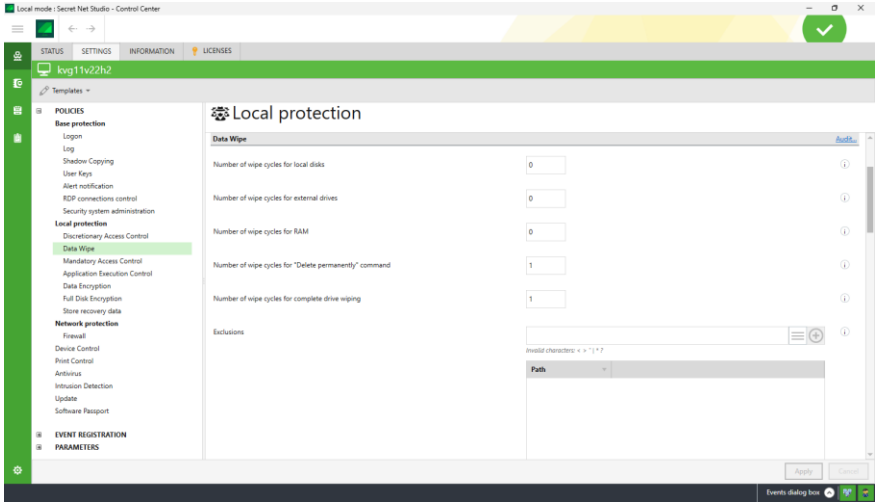
Data Wipe



- Automatically data wipe on regular delete.
- Wipe cycles settings.
- Wipe data on local disks and removable devices.

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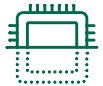
Device Control

Device control for groups, classes, models and individual devices.

Hierarchical inheritance settings.

Discretionary and mandatory access control.

Device connection and disconnection control.



Hardware integrity check.

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Application Execution Control

Inventorization of file system objects (creating Software Passports).

White list of executing applications.

Automated white list creation using installed software list, startup menu links and security events information.

Integrity control helps to be sure that executing application was not changed.

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Print Control

Print Control mechanism ensures:

- control of user access to printers;
- registration of the documents to be printed in Secret Net Studio log;
- printing out documents with a certain confidentiality category;
- automatic addition of markers to printers documents (document marking);
- shadow copying of printed documents.

Printed documents marks with stamp, including: document name, user name, document confidential level and other information.

Various markers for each confidential level.

Separate markers for first and last page.

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Shadow Copying

- Creation of shadow copies of the files copied to external devices.
- Shadow copying of printing documents.
- Local management of shadow copies.
- Protected storage for shadow copies.
- Incident investigation related with data leaks.

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Full Disk Encryption

Secret Net Studio Full Disk Encryption subsystem provides the following:

- Local encryption by the user with storing recovery data locally.
- Local encryption by the user with storing recovery data centrally.
- Local encryption by the administrator.
- Centralized encryption by the administrator.

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Data Encryption

- Encrypted containers are logically connected as a hard drives, but really stored as a file. All information placed on this virtual drive is encrypted.
- Encryption algorithm – Russian national standards.
- Encryption keys can be stored on tokens or external flash drives.
- User access management.
- The right to create encrypted containers is available to users with the respective privileges.
- Ability to backup Encryption keys.

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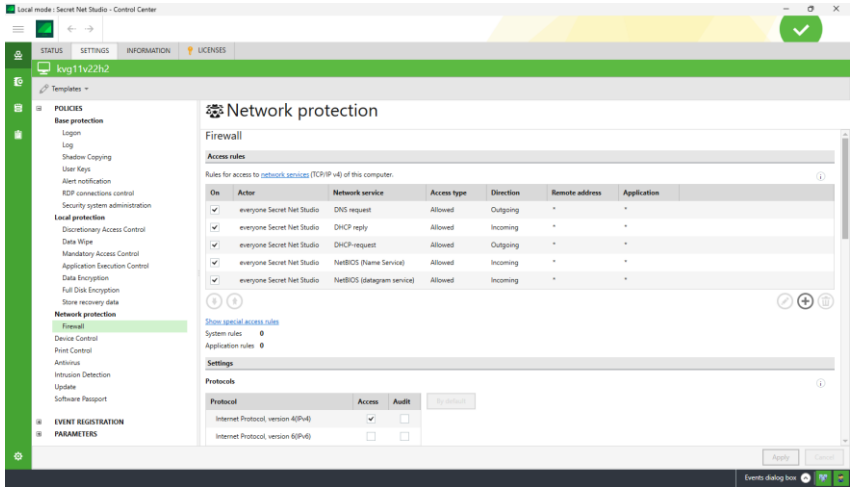
Sandbox

When a user works with software being analyzed, Sandbox monitors and analyzes its behavior:

- If the behavior of the software is abnormal, Sandbox force closes the program, adds it into the list of prohibited programs (black list) and notifies the user about the actions performed.
- If the behavior of the software is not suspicious and does not contradict the trust level indicated in the management program, Sandbox adds it into the list of trusted programs.
- If the user closes a program before the check is completed, Sandbox saves the context of the program analysis and uses it next time when the program is run via Sandbox.

Personal Firewall



- Filtration on the network layer with independent decision-making for each packet.
- Filtration of service protocol packets (ICMP, IGMP, etc.) required for diagnostics and management of network device operations.
- Filtration considering the incoming and outgoing network interface, for the authentication of network addresses.
- Filtration of requests for the establishment of virtual connections (TCP sessions) on the transport layer.
- Filtration of requests for application services (filtering by character sequence in packets) on the application layer.
- Filtration considering network packet fields.
- Filtration considering date/time.

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Network Connection Authorization

- Kerberos and IPSec technologies, protection against MITM-attacks.
- Ability to add users and user groups to working firewall rules.
- Terminal servers support, creation of network access control on user level additional to IP/computers level.
- Creation of software VLANs.
- Network traffic encryption on local network.

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Antivirus and attack detection

Antivirus

- Kaspersky anti-virus protection technology
- Scheduled scanning
- Setting protection levels

Secret Net Studio antivirus enables you to check file objects for malware registered in the **signature database** and **via heuristic data analysis**.

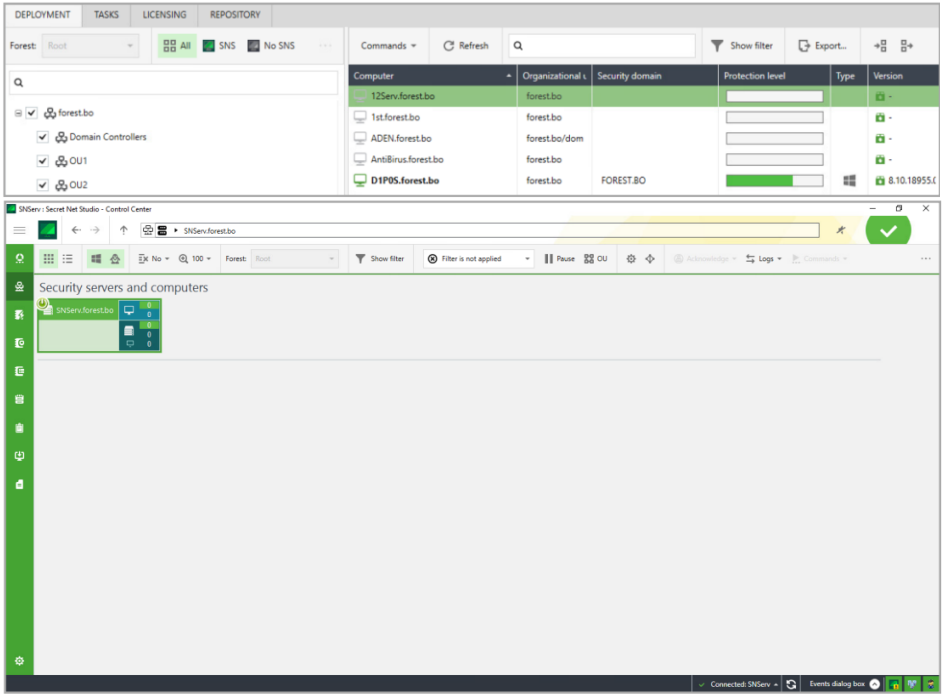
When scanning the PC, hard drives, network folders, external drives and other objects are scanned.

Antivirus detects and blocks the external and internal attacks targeted at protected computers.

Personal IDS/IPS

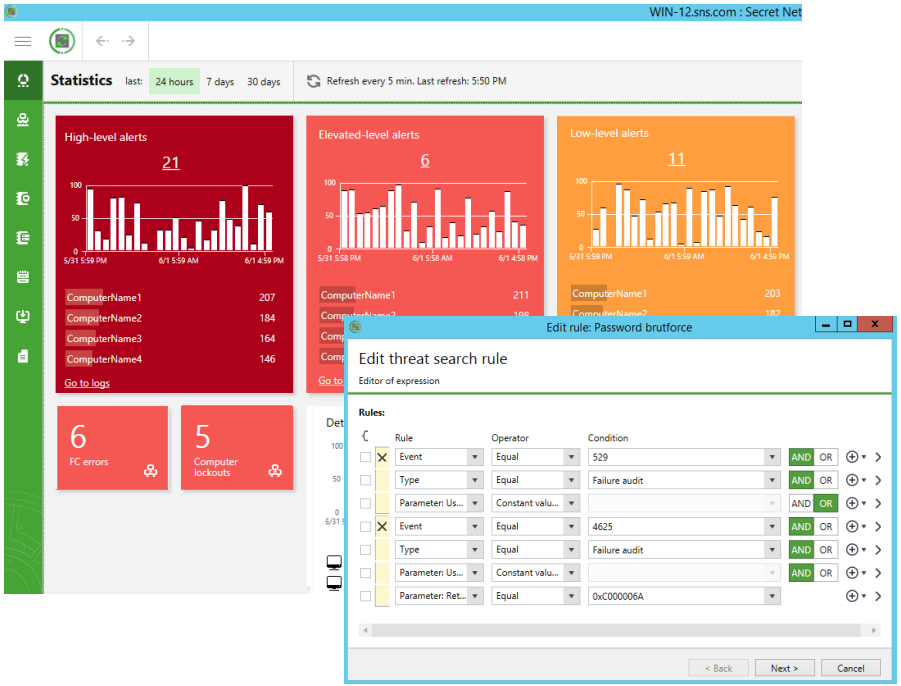
- Heuristic intrusion detection and prevention, protection against port scanners, Denial of Service attacks (including Distribute DoS), anomaly blocking, etc.
- Signature attack detection methods.
- Temporary block attackers hosts ability.
- Blocking:
  - Malicious IP & URL;
  - Phishing URL;
  - Botnet networks

Centralized Deployment and Management



- Centralised deployment, update, and maintenance.
- Single point of administration and management.
- Delegated hierarchical policies.
- Convenient grouping of protected objects.

Monitoring and Investigation



- Centralised logging.
- Risk based Administrator alerting.
- Single pane-of-glass dashboard.

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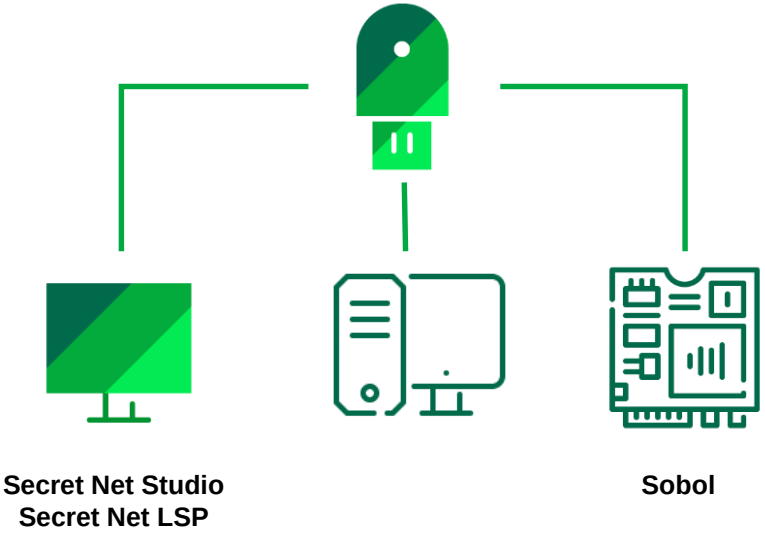
Joint mode



Single identifier for:

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

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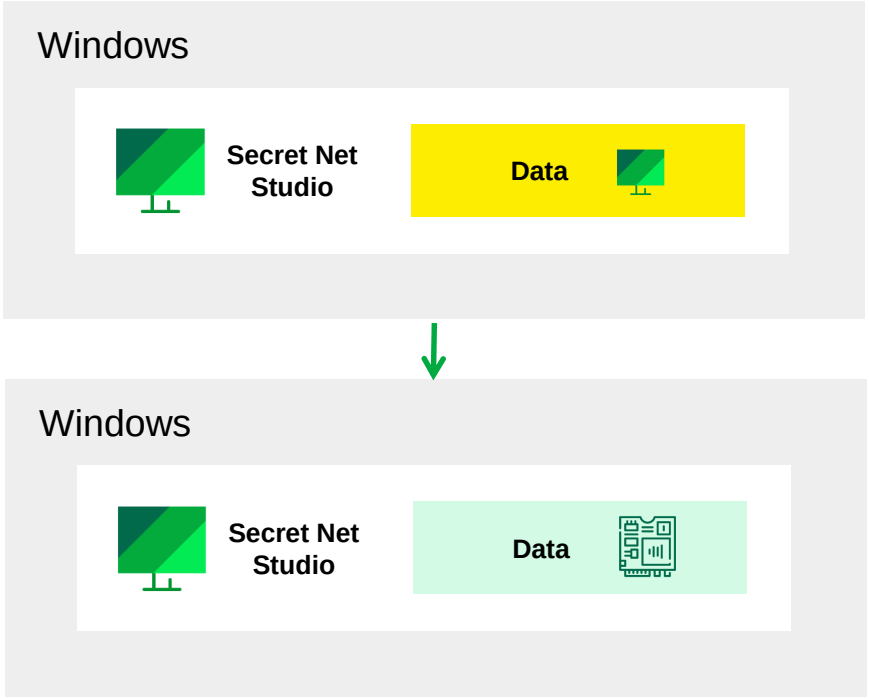
Joint mode



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

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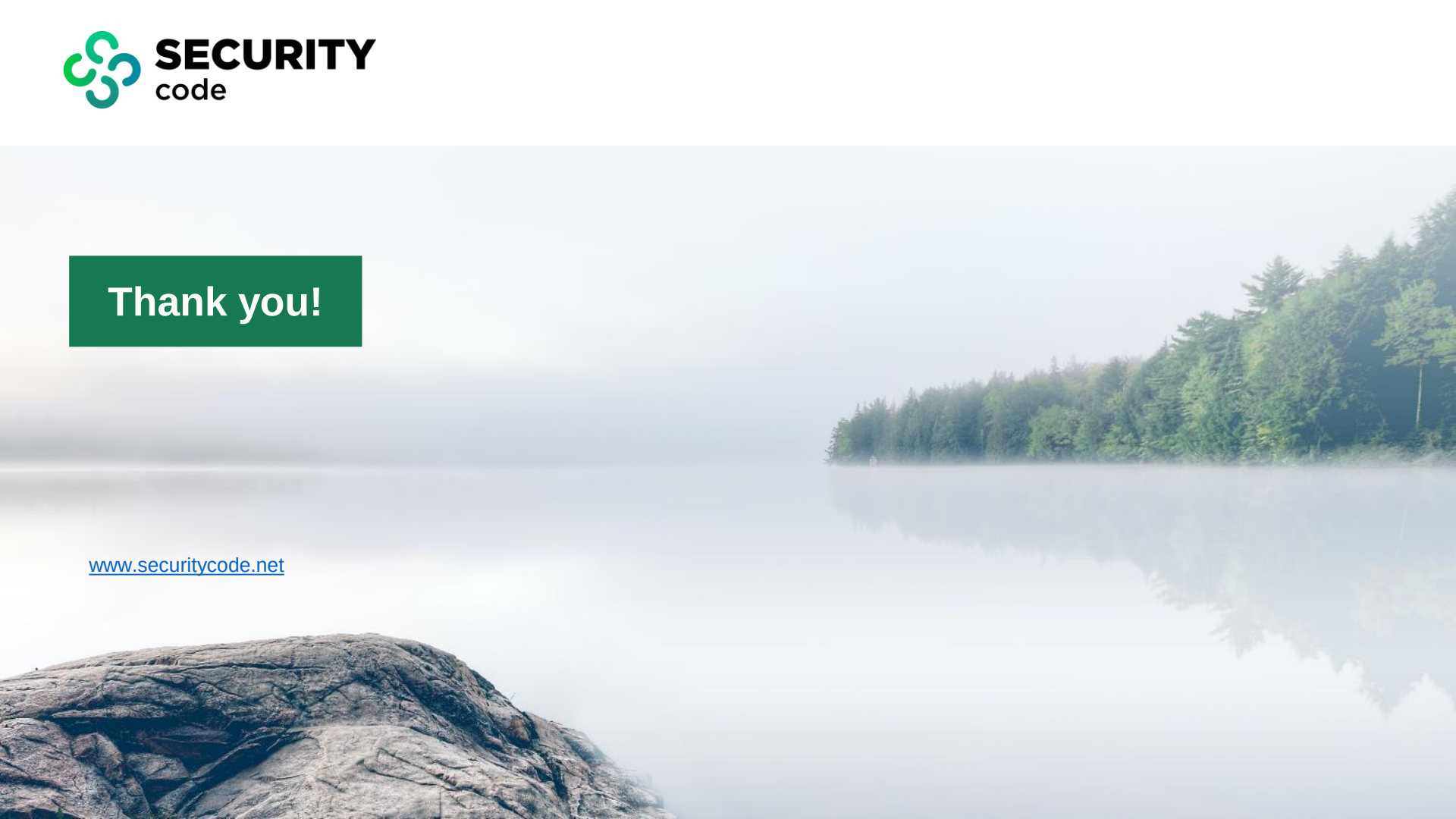
Thank you!



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