

DriveLock Vulnerability Scanner

Documentation 2022.1

DriveLock SE 2022




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1 DriveLock vulnerability scan

DriveLock Vulnerability Scanner allows you to automate regular scanning for known Windows and third-party vulnerabilities.

To do so, DriveLock accesses a database that is updated several times a day. The [DriveLock Operations Center \(DOC\)](#) then displays the findings in a separate new view with a risk and impact assessment, including missing patches, outdated software or libraries of known vulnerabilities.

1.1 Requirements

Licensing options:

- Vulnerability Scanner Basic: Scan for operating system vulnerabilities (OS Vulnerabilities)
- Vulnerability Scanner Extended: Scanning for operating system vulnerabilities and third-party vulnerabilities

System requirements:

- DriveLock: starting with version 2020.1 HF1
- Agent operating systems: Windows 8.1, Windows 10; Server 2012R2, 2016, 2019

1.2 Configuration in the DriveLock Management Console

1.2.1 Vulnerability catalogs

The vulnerability scan is based on catalogs that are first uploaded from the cloud to the central DriveLock Enterprise Service (DES) and then distributed to DriveLock Agents.

There are separate catalogs for operating system and third-party vulnerabilities.

In order to load the catalogs, the DES accesses

- a web service at <https://service.drivelock.cloud> and
- a configuration at <https://download.drivelock.com/vulnerability-definitions/catalogs.json>.

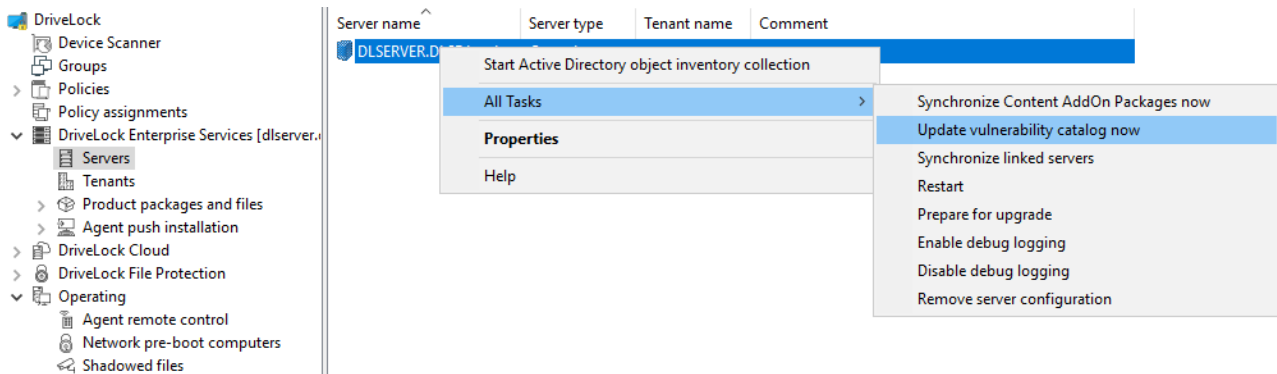
When setting up the vulnerability scan for the first time, it may take a while until the catalog is completely loaded on the DES. Any later updates only transfer the modifications and are thus considerably faster.

Note: After entering the license, either restart DES or **update** the catalogs in the Management Console.

1.2.1.1 Updating the vulnerability catalogs

Please do the following:

In the context menu of the respective DES, click **All Tasks** and then **Update vulnerability catalog now** (see figure).

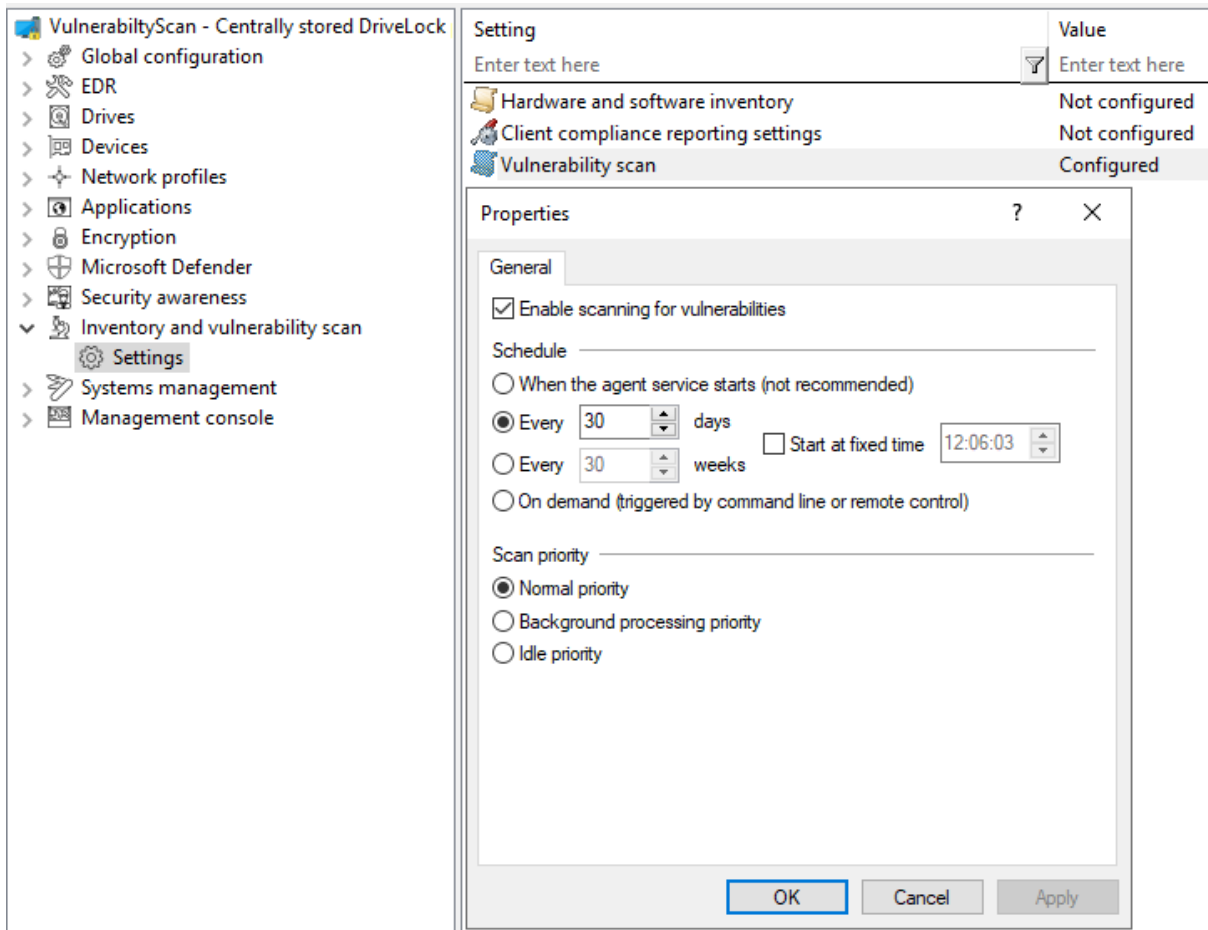


1.2.2 Configure vulnerability scan

Vulnerability scanning is disabled by default; you must first enable and configure it in the policy where you licensed Vulnerability Scanner.

Please do the following:

1. Go to the **Inventory and vulnerability scan** node and open the **Settings**.
2. Open **vulnerability scan**.



Setting	Value
Enter text here	Enter text here
Hardware and software inventory	Not configured
Client compliance reporting settings	Not configured
Vulnerability scan	Configured

Properties

General

Enable scanning for vulnerabilities

Schedule

When the agent service starts (not recommended)

Every 30 days

Start at fixed time 12:06:03

Every 30 weeks

On demand (triggered by command line or remote control)

Scan priority

Normal priority

Background processing priority

Idle priority

OK Cancel Apply

3. Check **Enable scanning for vulnerabilities**.
4. If you select the **On demand (...)** option, the vulnerability scan must be started via the [agent remote control](#) or alternatively via the [agent command line](#).
5. Using the options to **Scanner priority** you can set the process priority of the scanner on the agent. If you want to reduce CPU usage and accept a longer runtime, you can select **Background processing priority** or even **Idle priority** here.

1.3 Actions on the DriveLock Agent

1.3.1 Vulnerability scan on the DriveLock Agent

The vulnerability catalogs are downloaded from the DriveLock Enterprise Service (DES) to the DriveLock Agent and are updated on a regular basis.

You can find the catalogs on the agent under:

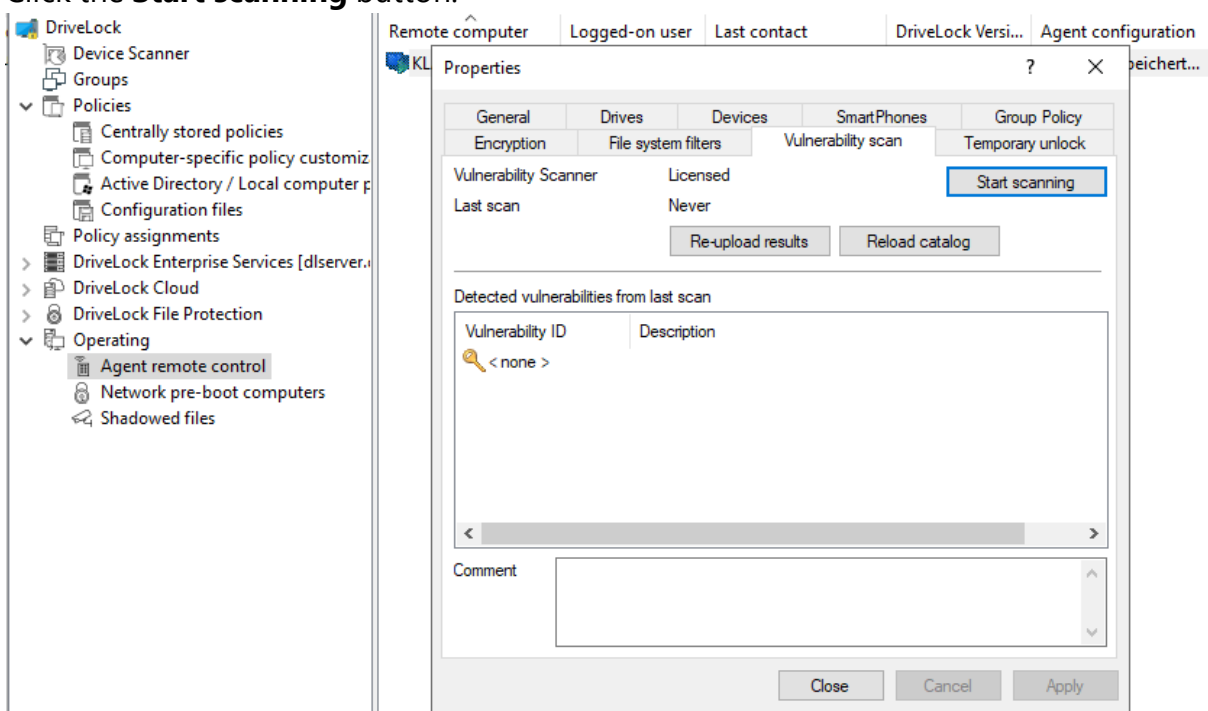
- C:\ProgramData\CenterTools DriveLock\VulScan\3P and
- C:\ProgramData\CenterTools DriveLock\VulScan\OS.

The actual vulnerability scan is performed by **DLVulScan.exe**. The **DLOvalHelper.exe** is also involved in transferring the catalogs to the agent. Both are located in the DriveLock directory on the agent.


1.3.1.1 Start vulnerability scan via agent remote control

Please do the following:

1. Connect to the respective agent via the **agent remote control**.
For more information on remote agent control, see the Administration Guide at [DriveLock Online Help](#).
2. Click the **Start scanning** button.



3. Click the **Re-upload results** button reload the scan results.
4. Or click **Reload Catalog** to reload the scan catalog.

 Note: These two options are intended mainly for troubleshooting.

5. If vulnerabilities were detected during the last scan, they will be displayed with ID and description in the dialog.

1.3.1.2 Start vulnerability scan via the command line

Actions can be triggered on the agent via command line.

For more information on **obtaining the agent status via the command line**, refer to the Administration Guide under [DriveLock Online Help](#).

Trigger actions via the following command lines:

```
drivelock -vulscan: Start scanning for vulnerabilities
```

```
drivelock -vsupload: Reload results
```

```
drivelock -vsresetcatalog: Reload or reset catalogs
```

The options are also available via "drivelock /?":

```
connected during boot as allowed devices
-resetdeviceusagepolicy ... Reset usage policy shown list for device
Vulnerability scan:
-vulscan ... execute vulnerability scan
-vsupload ... re-upload last vulnerability scan result
-vsresetcatalog ... reload vulnerability catalog
```

1.4 DriveLock Operations Center (DOC)

1.4.1 Vulnerability scan in the DOC

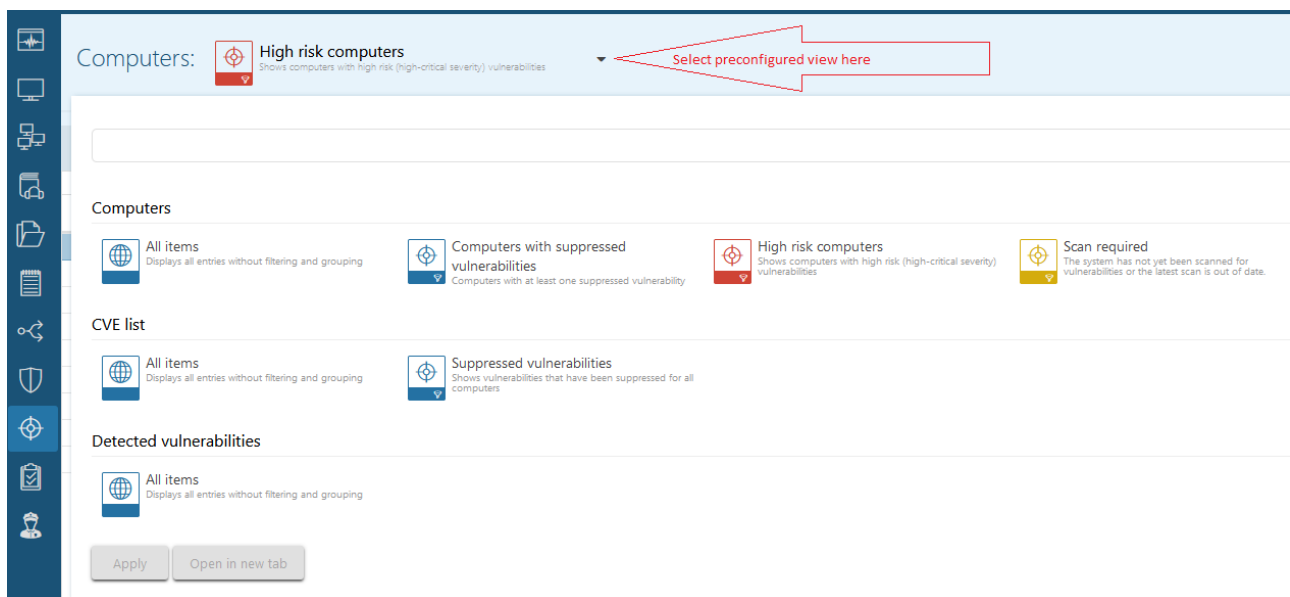
You can see the status of the vulnerability scan on the agents in the DriveLock Operations Center (DOC) in the **Vulnerability Scan** view.

To indicate the criticality of a vulnerability, the Common Vulnerability Scoring System is used as a rating system. The base score reflects how critical a vulnerability is. It ranges from S1 (uncritical) to S10 (highest criticality).

For more information about the DOC, see the **DriveLock Control Center** documentation on [DriveLock OnlineHelp](#).

1.4.1.1 Vulnerability Scan view

The default preconfigured view is **High risk computers**. This includes all computers that have open vulnerabilities with a base score $\geq S7$.



By clicking on the down arrow you can select more preconfigured views from three different lists:

1. **Computers** (computer overview)
 - Displays the open or suppressed vulnerabilities for a computer
 - Allows suppressing the vulnerability for one or for all computers
2. **CVE List** (Common Vulnerabilities and Exposures (CVE®))
 - Shows the existing CVEs
 - > Allows suppressing for all computers
 - Displays the computers at risk in the detailed view of a CVE
 - > Allows to navigate to the vulnerable computers (opens the Detected Vulnerabilities list).
3. **Detected vulnerabilities** (vulnerability overview)
 - Shows when a specific vulnerability was detected for a computer
 - Allows suppressing the vulnerability for one or for all computers

2 Inventory

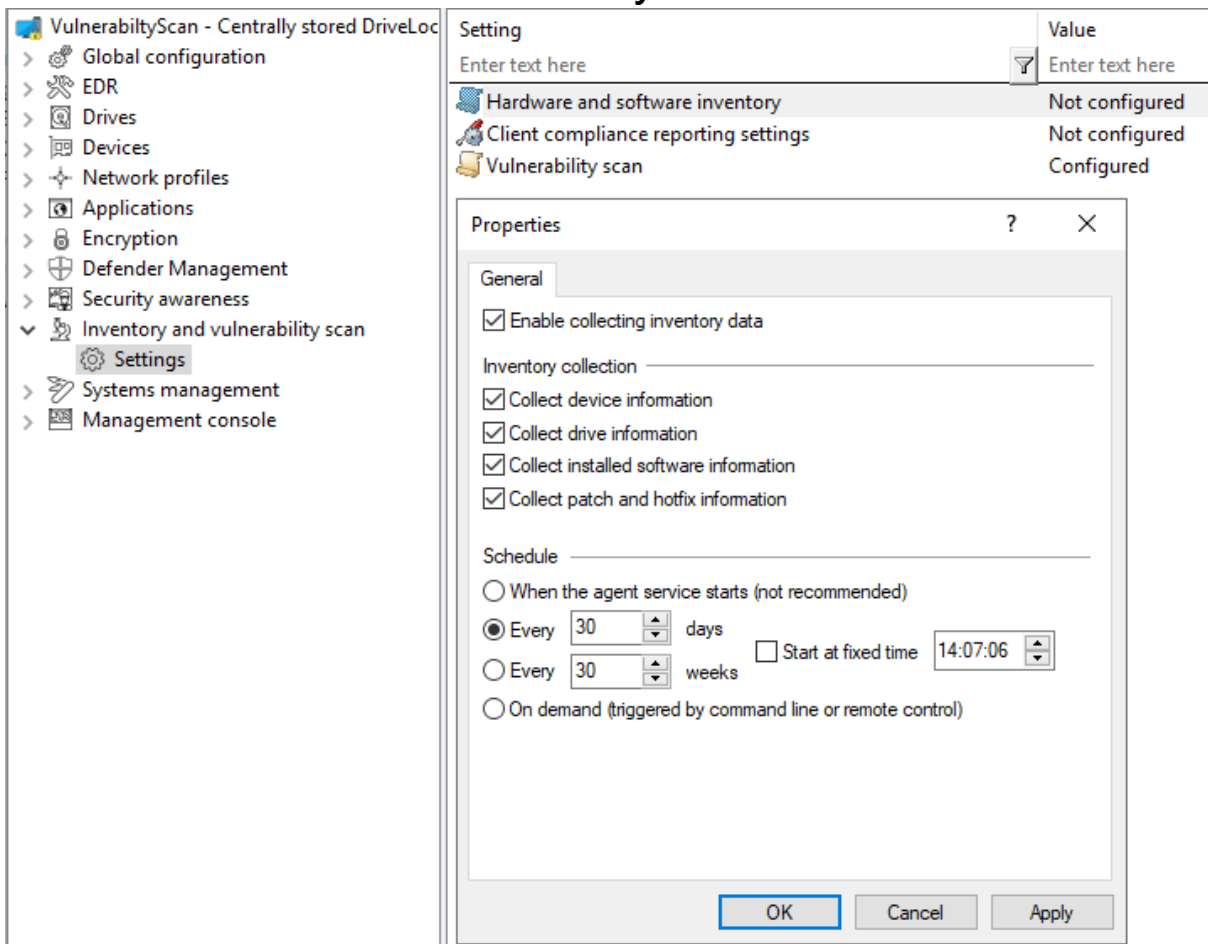
The DriveLock Agent retrieves information about the current hardware or software of the client computer regularly or at specified times; this information is then transmitted to the DriveLock Enterprise Service. The collected data can be analyzed centrally via the DriveLock Control Center (DCC) or the DriveLock Operations Center (DOC). That way, you get a quick overview of the programs or software patches that are installed on your computers.

2.1 Hardware and software inventory

Here you can specify when the DriveLock Agent collects certain information, and whether this feature stays disabled or not.

Please do the following:

1. Go to the **Inventory and vulnerability scan** node, open the **Settings** sub-node, and then click **Hardware and software inventory**.



2. To allow the agent to collect information about the computer, select **Enable collecting inventory data**.

3. Choose which data you want the agent to collect and send to the DriveLock Enterprise Service.
4. Next, define the time when the agent starts gathering information and when the data is sent to the DriveLock Enterprise Service.



Note: Please note that it takes some time for the agent to collect the data and the workload on the system is slightly higher than it would be otherwise. Therefore, the scan will also be delayed for a few minutes after the agent is started (if you have selected this option).

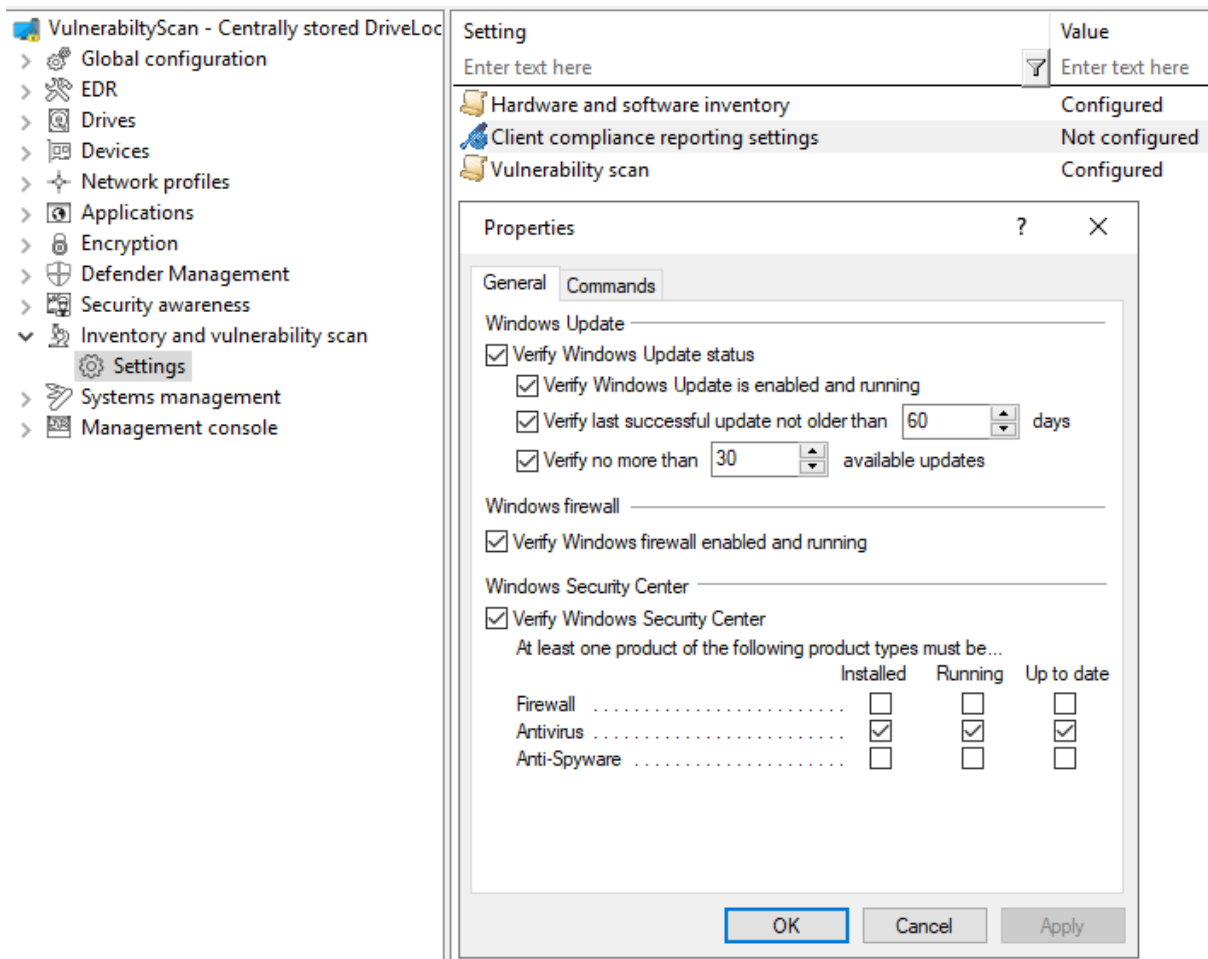
2.2 Client compliance

This option allows you to specify the parameters that will be checked on the computer for the client compliance status.

2.2.1 Client compliance settings

Please do the following:

1. Go to the **Inventory and vulnerability scan** node, open the **Settings** sub-node, and then click **Client compliance reporting settings**.



2. Select the required settings.

3. On the **Commands** tab you can configure executable programs or scripts of your choice.

Add them to the policy file store first and select them from there. The DriveLock Agent calls the programs or scripts on the clients; they must return 1 for compliant and 0 for non-compliant.

The DriveLock Control Center (DCC / Helpdesk) displays the compliance status of the agents in detail.

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