

kaspersky

Kaspersky Scan Engine and Nextcloud

Integration Guide

Kaspersky

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Introduction

Nextcloud, the industry-leading, on-premises content collaboration cloud platform, and Kaspersky, a leading global cybersecurity company, present an innovative anti-malware app for Nextcloud.

With online collaboration tools becoming central to remote and distributed work in modern organizations, risks of malicious files spreading over the internal network have to be mitigated. The secure, on-premises content collaboration technology from Nextcloud integrates Kaspersky Scan Engine, Kaspersky's flagship integrated security product, to automatically scan user files when they are uploaded to the cloud and ensure no dangerous malware can spread.

NextCloud Integration

Integration with NextCloud consists of the following steps:

- 1) Request a trial version of Kaspersky Scan Engine from Kaspersky web site:
www.kaspersky.com/partners/technology/contact
- 2) Request a commercial Kaspersky Scan Engine license by mailing to ta_sales@kaspersky.com or contacting an authorized Kaspersky partner.
- 3) Install and set up Kaspersky Scan Engine according to the following guidelines:
<https://support.kaspersky.com/help/ScanEngine/2.1/en-US/226466.htm>
- 4) Install Nextcloud Antivirus App from Nextcloud Marketplace
- 5) Set up Nextcloud Antivirus App:
 - After installing the Nextcloud antivirus app you can configure it in the security section of the admin settings.
 - You can configure the antivirus app to use the Kaspersky Scan Engine by setting the mode to "Kaspersky Daemon" and entering the host and port where the scan engine can be reached.
 - Additionally, the maximum size of files to be scanned can be configured, and the behavior of infected files found during the background scan can be changed.

6) Install Kaspersky Scan Engine

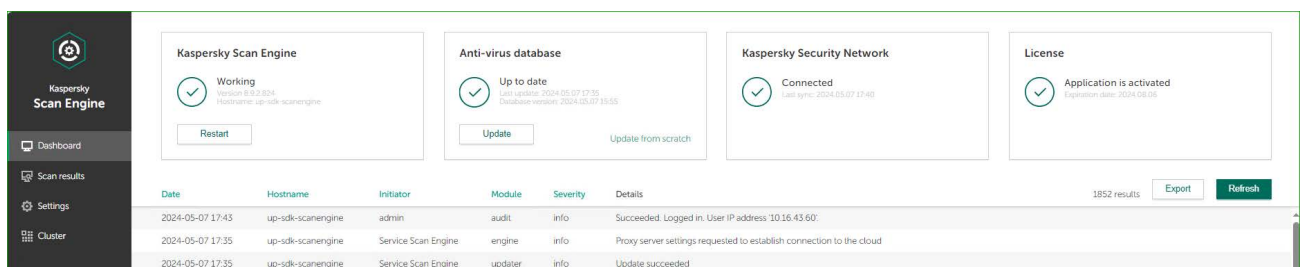
Please perform the installation based on the following documentation:

PostgreSQL installation – <https://support.kaspersky.com/ScanEngine/2.1/en-US/192975.htm>

KSE Linux installation – <https://support.kaspersky.com/ScanEngine/2.1/en-US/192977.htm>

As an alternative, you can use ScanEngine PoC Guide to install Scan Engine.

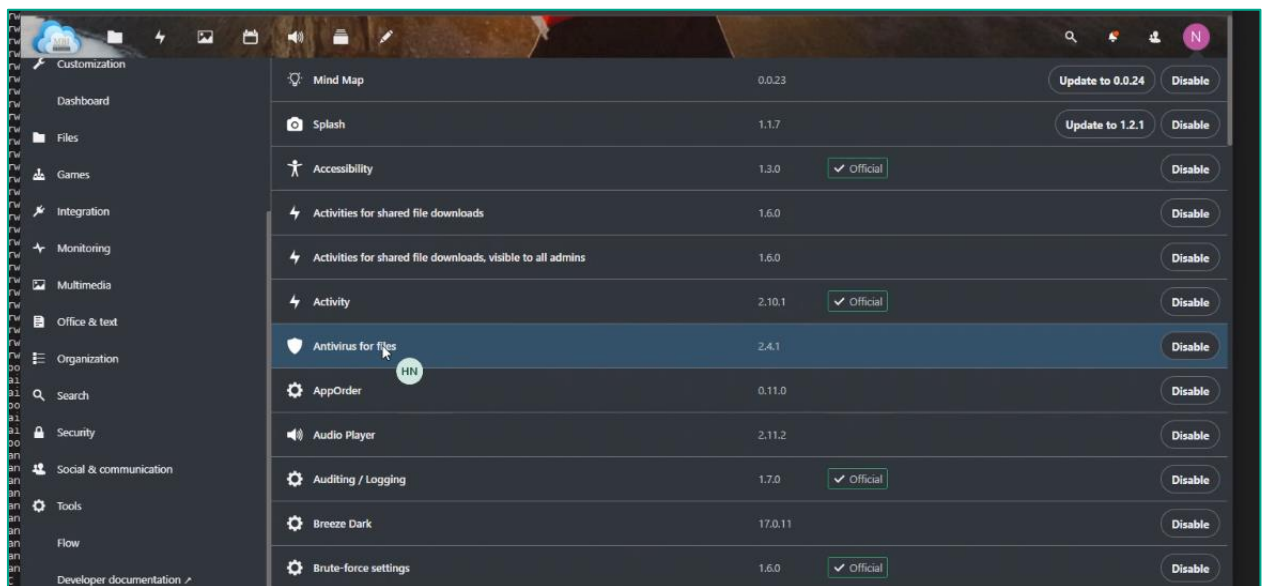
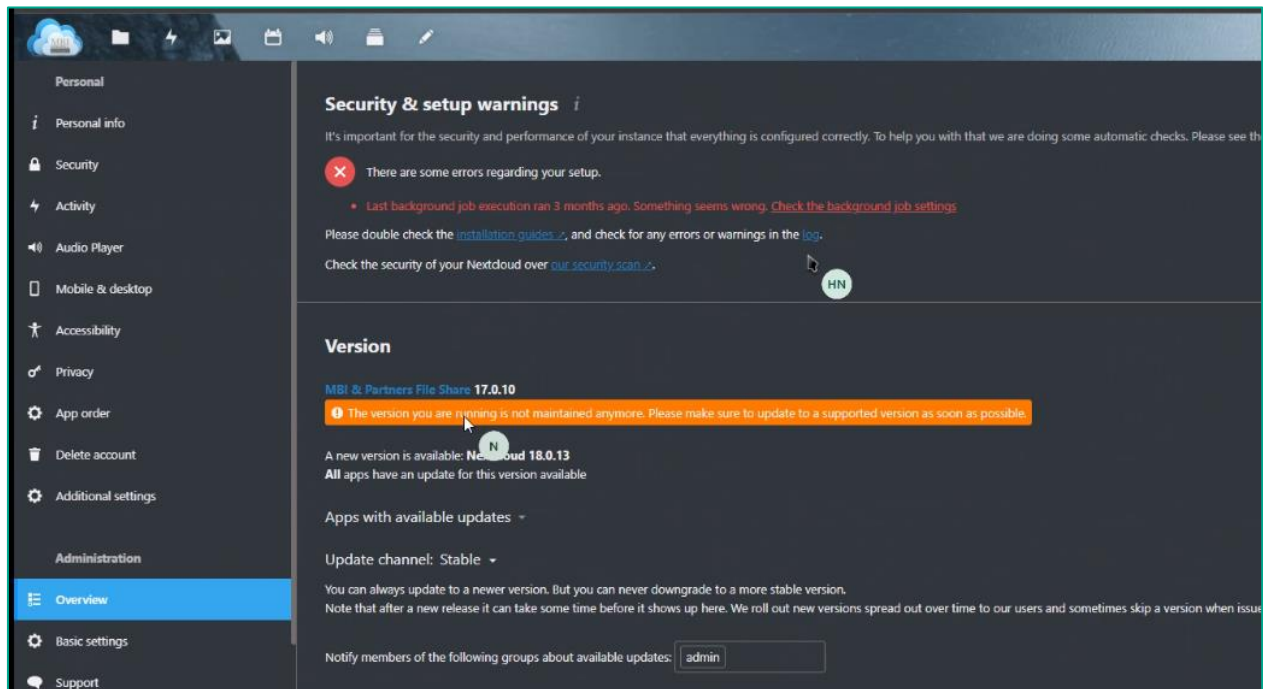
Once the installation process is completed, proceed to connect to the administration console:



Please check that the solution is working as expected, the Anti-Virus database is updated, and the License is active.

2. Install Nextcloud Antivirus App from Nextcloud Marketplace

To integrate NextCloud with ScanEngine solution, you should update NextCloud to the latest version.



If you have not updated Nextcloud, you will be able to update and use the latest Anti-Virus application that supports Kaspersky Scan Engine from Nextcloud Marketplace.

Security & setup warnings ⓘ

It's important for the security and performance of your instance that everything is configured correctly. To help you with that we are doing our best.

○ Checking for system and security issues.

Check the security of your Nextcloud over [our security scan ↗](#).

Version

MBI & Partners File Share 20.0.5

A new version is available: **Nextcloud 20.0.6**

All apps have an update for this version available

Apps with available updates ▾

Open updater Download now

Update channel: Stable ▾

You can always update to a newer version, But you can never downgrade to a more stable version.

Note that after a new release it can take some time before it shows up here. We roll out new versions spread out over time to our users

Notify members of the following groups about available updates:

Personal

- Personal info
- Security
- Activity
- Mobile & desktop
- Accessibility
- Sharing
- Splash
- Flow
- Privacy
- App order

Administration

- Overview **N**
- Support **N**

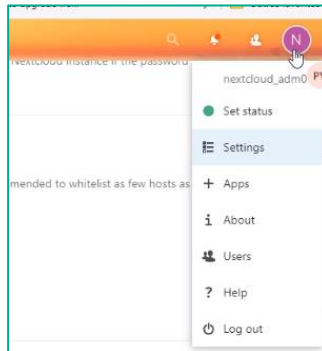
App	Version	Status	Action
Antivirus for files	3.1.1	Update to 3.1.2	Disable
Accessibility	1.6.0	✓ Featured	Disable
Activity	2.13.4	✓ Featured	Disable
AppOrder	0.11.0		Disable
Auditing / Logging	1.10.0	✓ Featured	Disable PV
Brute-force settings	2.0.1	✓ Featured	Disable
Collaborative tags	1.10.0	✓ Featured	Disable
Comments	1.10.0	✓ Featured	Disable
Contacts Interaction	1.1.0	✓ Featured	Disable

Your apps

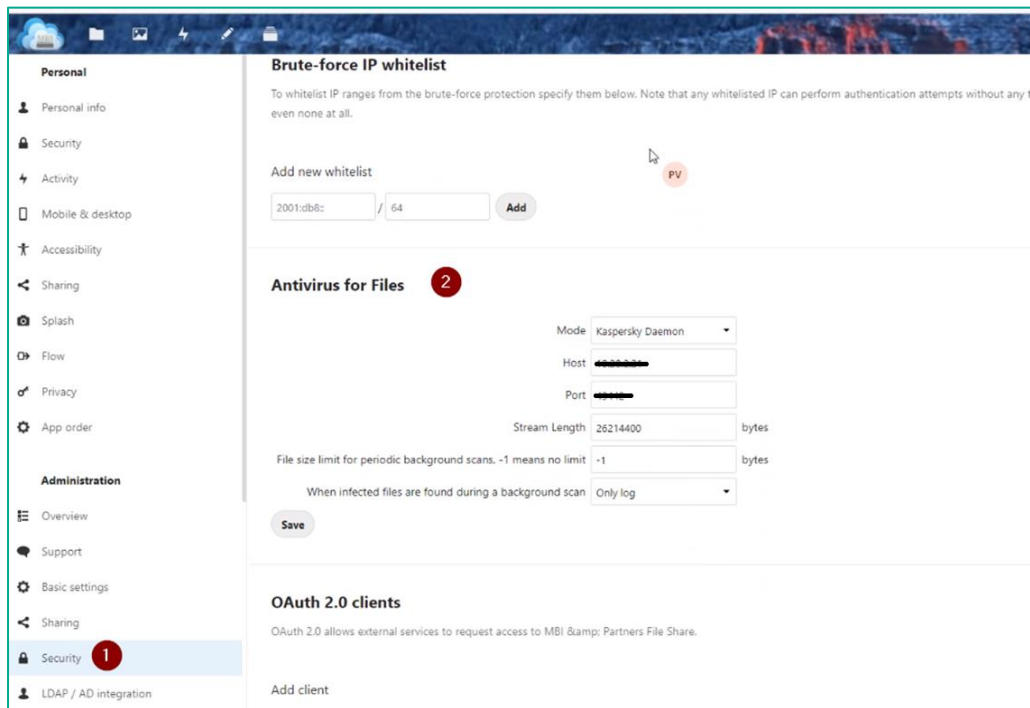
- Active apps
- Disabled apps
- Updates
- App bundles
- Featured apps
- Customization
- Dashboard
- Files
- Games

3. NextCloud and KSE integration:

a) In the Nextcloud console, open "Settings"



b) Open "Administration" → "Security", choose "Kaspersky Daemon" and specify the IP address and port used by Scan Engine. Then Save the settings.



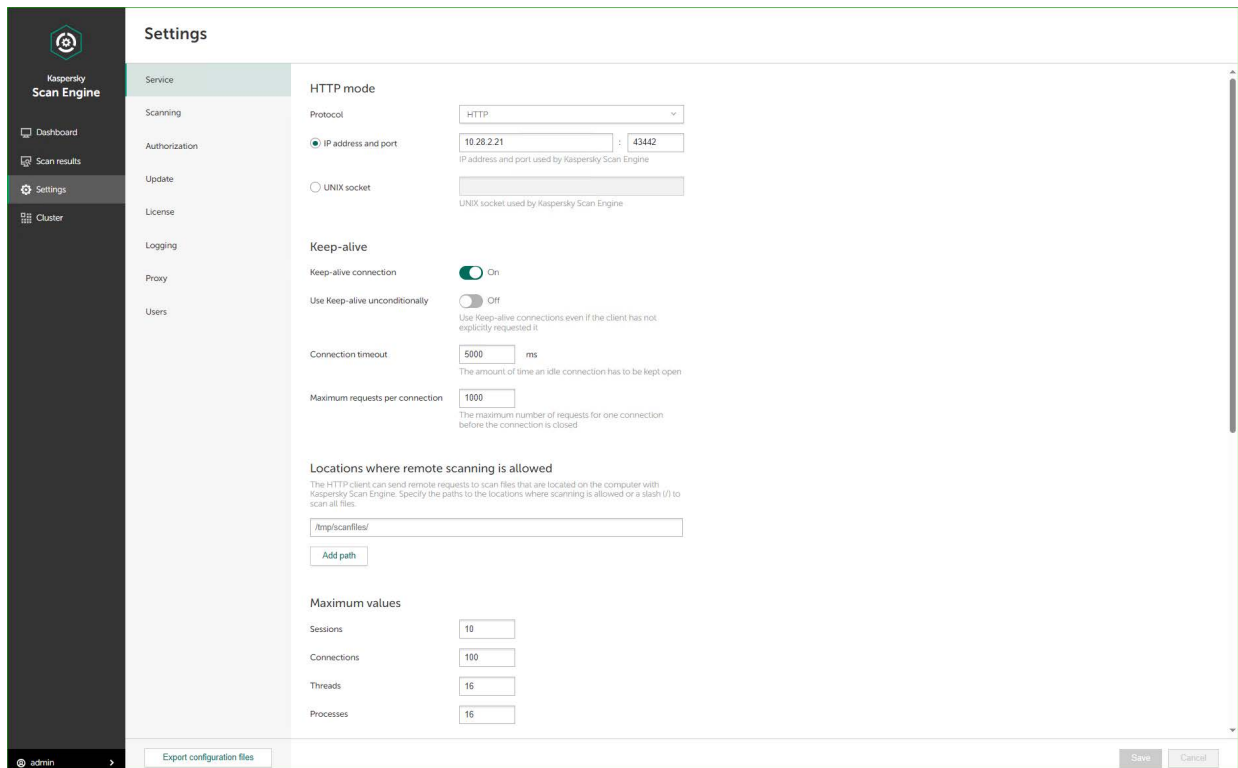
Capability Scenario

After Scan Engine and Nextcloud integration is done, try to upload a clean file and the EICAR file to Nextcloud. Then check the Scan Engine scanning results.

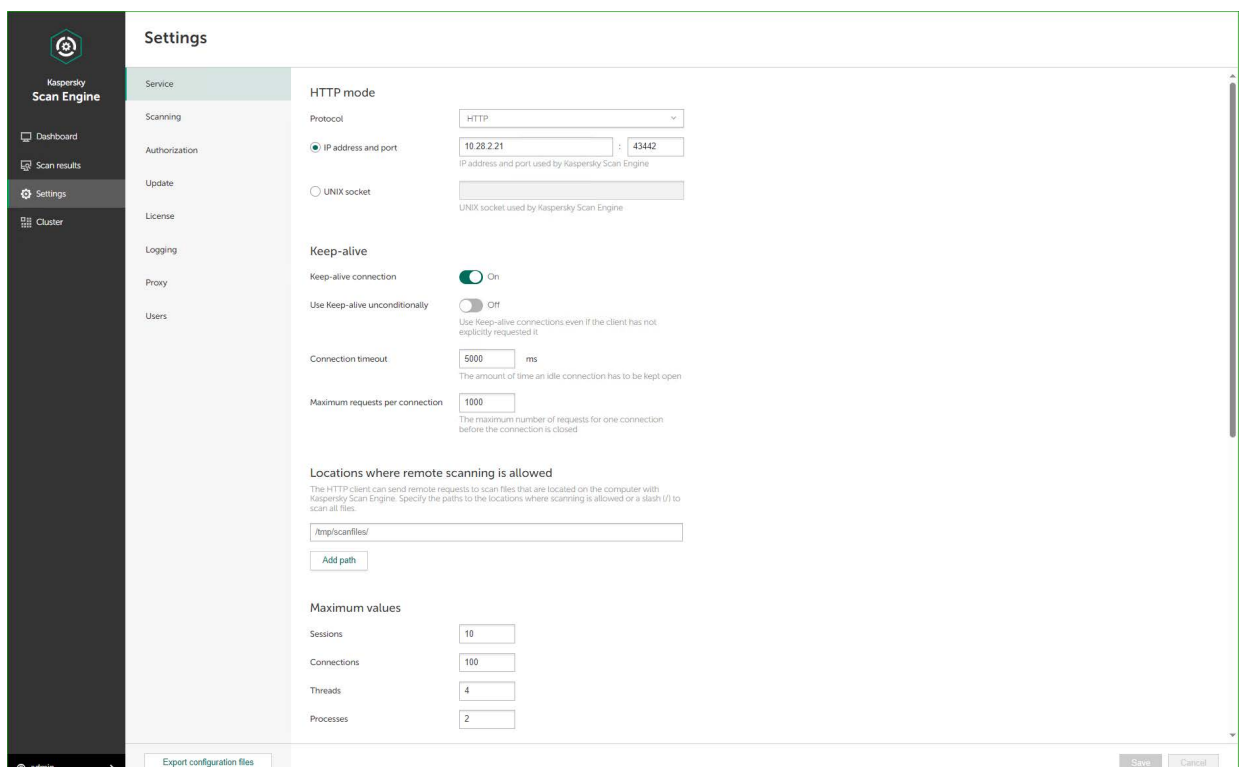
Scan results							Reset statistics	Export	Refresh
Total scan status Total: 2 774 Malware: 443 Adware, etc: 98 Clean: 2 233									
Date	Hostname	Client	Info	Scan result	Details	2774 results			
2024-03-19 11:06	up-sdk-scansengine	127.0.0.1	Object: /home/testadmin/Documents/collection/double_infected.com	Virware: Virus.DOS.Ueslic.888 Action: Skipped	Scanned with database version: 2022-12-21 06:19:00 MD5: DEAESD4778AA141B7B7E6AC1D9C7440A SHA256: 1A60C39D62C1D25C62A4AF1DB9417B29775F86B781AE051BF22D7BF798F4131				
2024-03-19 11:06	up-sdk-scansengine	127.0.0.1	Object: /home/testadmin/Documents/collection/RmsTest_MakeSilent_warn_rqs	Clean	Scanned with database version: 2022-12-21 06:19:00 MD5: D41D8CDB98F00204E9800998ECF8427E				
2024-03-19 11:06	up-sdk-scansengine	127.0.0.1	Object: /home/testadmin/Documents/collection/eicar_multipart.7z.001	Virware: EICAR-Test-File	Scanned with database version: 2022-12-21 06:19:00 MD5: 1D1A69808524E77831801AF119F2190				
2024-03-19 11:06	up-sdk-scansengine	127.0.0.1	Object: /home/testadmin/Documents/collection/clean_file_multipart.7z.002	Clean	Scanned with database version: 2022-12-21 06:19:00 MD5: 10CF9A8049858DF5FB720262E0A3EE7				

Scan Engine tuning

By default, the number of Scanners value is 16 and Threads 16.



You should change the number of scanners (1x) and threads (2x) to conform to the number of CPUs installed in the server where ScanEngine is installed. For example, if vCPU is 2 then set 2 for Scanners and 4 for Threads.



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www.kaspersky.com/
www.securelist.com