

WikiSuite: The most comprehensive and integrated Free / Libre / Open Source enterprise software suite ever developed

# How to install Syncthing on ClearOS

[Syncthing](#) is a file synchronization tool. This app is "Syncthing for the server".

**Status as of 2017-11-24: The app is complete. The next step is to ask both ClearOS and Syncthing communities to test extensively.**

To install Syncthing within the WikiSuite environment, follow the next steps.

```
yum --enablerepo=clearos-contribs-testing,clearos-updates-testing install app-syncthing
```

To update

```
yum --enablerepo=clearos-contribs-testing,clearos-updates-testing upgrade app-syncthing  
syncthing
```

Note: Syncthing doesn't run as root and, thus, you need to create at least one user that has access.

Then, visit <https://example.org:81/app/syncthing> to configure

- Start / stop
- Configure access (three options)
- Configure firewall -> <https://docs.syncthing.net/users/firewall.html>
- You can configure your other devices to synchronize with this new device in this server as usual. See: <https://docs.syncthing.net/intro/getting-started.html#configuring> .

Each authorized user can then manage his or her Syncthing instance at: <https://example.org:81/syncthing/> (the trailing / is necessary).

If Syncthing is protected with *Two Factor Authentication*, users first need to log in to <https://example.org:81/> before accessing <https://example.org:81/syncthing/> .

## Screenshot

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The screenshot shows the Syncthing administration interface within the WikiSuite environment. At the top, there is a navigation bar with icons for Dashboard, Marketplace, Support, and Root. Below this is a green header with 'Community' and 'Syncthing' tabs. A search bar and a sidebar menu are on the left. The main content area includes a description of Syncthing, an 'Information' section with configuration details, a 'Settings' section with input fields for version, access, and limits, and an 'App Policies' table.

Syncthing is an alternative to proprietary sync and cloud services with something open, trustworthy and decentralized. You retain complete control over where your data is stored and who you choose to share it with.

**Information**

Syncthing is configured to access the GUI (file sync manager) through Webconfig's reverse proxy. The URL to access this administration interface is [https://\[redacted\]:81/syncthing/](https://[redacted]:81/syncthing/). Only users who belong to the syncthing\_plugin App Policy will be allowed to configure the server's file sync settings.

**Settings**

Syncthing Version	0.14.13
Web Admin Access	Access via Webconfig (reverse proxy)
Maximum Send Limit	No limit
Maximum Receive Limit	No limit

[Edit](#)

**App Policies**

Policy Name	Group	Action
Syncthing Administrator	syncthing_plugin	<a href="#">Edit Members</a>

**Syncthing**

Vendor	Avantech
Version	1.0.0-1
Status	Running
Action	<a href="#">Stop</a>

[Details](#) [Uninstall](#) [Rate App](#)

## Features

- Multi-user: Syncthing has the concept of devices and not users. But ClearOS's Syncthing user plugin now controls whether an individual user can configure her or his own Syncthing instance.
- Optional support with the [Dynamic Firewall](#) for additional security (like two factor authentication).

## Notes

- ClearOS manages the authentication to the Syncthing app (which is a good thing because it can offer additional protections like Multi-Factor Authentication). However, it means that you can't log in to Syncthing with user B if you are already logged in to ClearOS with user A. If you do, you'll get a message: "You are already logged in!"

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## Limitations

- After adding a new user in `syncthing_plugin` group, you need to click the button **Renew Webconfig Reverse Proxy Settings** to restart and regenerate webconfig config files with the new user.
- Syncthing cannot self-upgrade because all daemons (should) be running as non-privileged users, and an upgrade can only be done as root which we do not want running for security reasons. We will have to push upgrades out via RPM/contribs repo as needed. It is [quite easy](#). Thus, you'll see some warnings like "Automatic upgrade: open /usr/bin/syncthing746215824: permission denied".
- Even if a user's permission to use Syncthing is removed, it can take a day for Syncthing to remove the "running" label.

## Related pages

- [Syncthing](#)
- [Syncthing development](#)
- [Syncthing in WikiSuite](#)
- [TRIM and Syncthing for automated offsite backups](#)

## Related links

- <https://github.com/WikiSuite/syncthing>
- <https://github.com/WikiSuite/app-syncthing>
- <https://github.com/WikiSuite/app-syncthing-plugin>
- <https://github.com/syncthing/syncthing/issues/3473>
- <https://github.com/syncthing/syncthing/issues/2721>
- <https://forum.syncthing.net/t/im-handing-out-build-boxes/763>
- <http://koji.clearos.com/koji/packageinfo?packageID=324>
- <http://koji.clearos.com/koji/packageinfo?packageID=323>
- <http://koji.clearos.com/koji/packageinfo?packageID=325>

alias

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- [Install Syncthing on ClearOS](#)