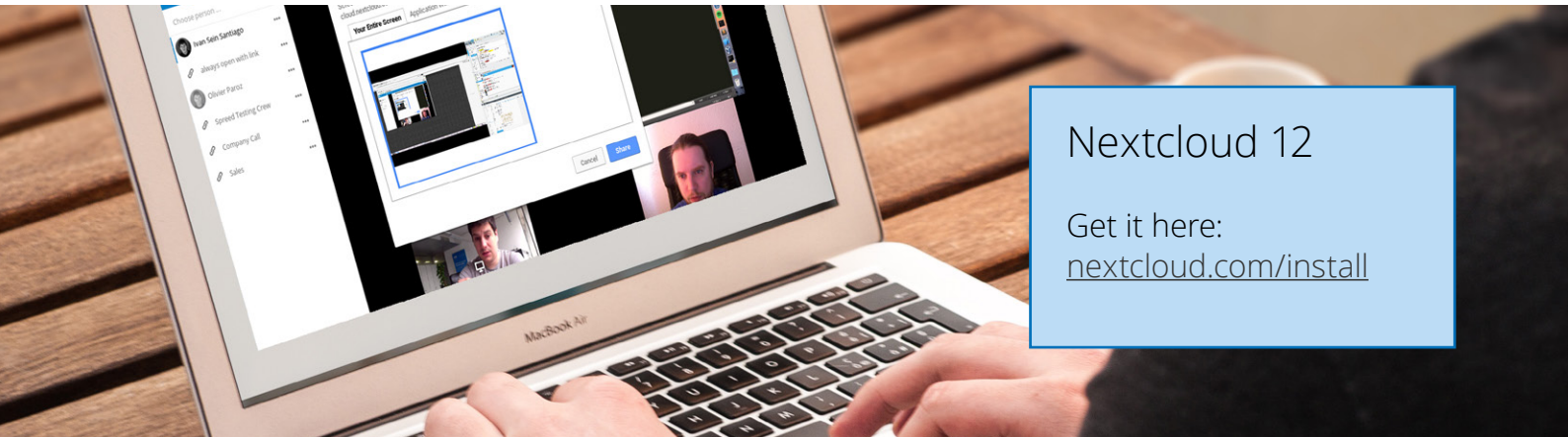


# Nextcloud 12 feature enhancements

The next generation of secure collaboration



Nextcloud 12

Get it here:  
[nextcloud.com/install](https://nextcloud.com/install)

Nextcloud 12 redefines enterprise file sync and share, bringing it to the next level with built-in collaboration and communication capabilities. This release builds on the scalability and reliability improvements introduced with Nextcloud 11, bringing a combined doubling of performance and far improved scalability. Security remains the primary focus with new, innovative hardenings and protections. In this Data Sheet we present a short overview of what is coming in Nextcloud 12.

## Collaboration

Nextcloud 12 introduces significant enhancements in the area of collaboration and productivity.

- Secure Drop and file sharing improvement: create multiple independent file upload or download links for multiple recipients, each with different sharing permissions, password, expiration date etc.
- Push Notifications on mobile devices
- Quick access to all your Contacts with the Contact Menu
- Instant communication with video calls now features screensharing
- Verify Federated Cloud IDs using twitter
- Integrated sharing on social media
- Federated Activities shows file changes on other servers
- Writable public links allow real time collaboration on documents over public link without requiring an account
- Enabled expiry date on internal shares
- Users now have the ability manage their own contacts in groups using the Circles app
- Calendar app allows better calendar sharing for the recipient and search across events
- Instant chat available across a Nextcloud instance
- Show the size of previous versions of files.
- Files or folders deleted or moved out of shared folders by share recipients can be restored by the owner from the trash.

## Security

- Support for numerous authentication mechanisms
  - OpenID Connect
  - OAuth2
  - JWT
  - Anonymous user access
  - Any SQL database
  - DBM files
  - Lookup in plaintext files
  - CAS
  - Shibboleth
  - General SAML
- Improved Two-Factor authentication
- Brute force protection
- Rate limiting
- Further Content Security Policy hardening
- Verified Certificates signature in Nextcloud App Store
- New login system for clients enabling them to handle any type of authentication supported by the server
- TOTP and U2F now require password confirmation when changing their settings to ensure a malicious attacker cannot simply disable them
- U2F can have multiple tokens
- NFC tokens are now supported
- 2FA actions now show up in the Activities app

## Performance

- SWIFT performance improvement (caching authentication)
- Significantly decrease round trips, improving performance with encrypted external storage
- General optimizations and scalability improvements



Security is the biggest strength of Nextcloud and the new release continues our track record of introducing new, innovative technologies to protect Nextcloud servers. In Nextcloud 12, a number of improvements for Brute Force Protection were made and we introduced Rate Limiting as an option for app developers to make it harder to spam users on Nextcloud servers.

## Administration

- PHP 7.1 support
- Sharepoint is supported as external storage
- E-mail and Activity Notifications when password/e-mail change
- App Bundles to adapt specific usecases
- Push notifications via command line
- Apps are no longer disabled by updating on systems with PHP 7. When an app breaks due to the upgrade, it will be automatically disabled.
- Users can be disabled via Nextcloud web interface
- SAML Group support
- Better error messages for objectstack swift configuration
- Ability to exclude specific directories from being shared
- Global Shares for users, comparable to Samba and Windows Servers
- Multi-language User Interface thanks to External site language
- The Excludedirs app enables a specific folder pattern to be excluded from being indexed and made visible in Nextcloud, useful to, for example exclude snapshot subfolders as used on enterprise storage systems
- The Quota-warning app can tell users when they are reaching the limits of their storage
- The DownloadActivity app allows users and administrators to be notified when shared files are downloaded
- The JSLoader app can enable integration of arbitrary javascript, enabling administrators to use monitoring tools like Piwik or Google Analytics to track usage of their server
- The Guest app enables creating a restricted Nextcloud account for guest users
- The Impersonate app lets an administrator take temporary control over a user account.

## About Nextcloud

Nextcloud offers a unique-in-the-industry fully open source solution for on-premise data handling and communication with an uncompromising focus on security and privacy. Nextcloud brings together universal access to data with next-generation secure communication and collaboration capabilities under direct control of IT and integrated with existing compliant infrastructure. Nextcloud's open, modular architecture, emphasis on security and advanced federation capabilities enable modern enterprises to leverage their existing assets within and across the borders of their organization.

For more information, visit [nextcloud.com](http://nextcloud.com) or follow [@Nextclouders](https://twitter.com/Nextclouders) on Twitter.

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