

# Neon - A framework for building cross-platform Nextcloud clients

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# Why do we need a cross-platform approach?

- ▶ Existing clients usually only run on a single platform or device type
- ▶ Some platforms completely lack a suitable client
- ▶ Every client has its own codebase with high maintenance cost
- ▶ User experience and implemented features differ a lot between platforms

# The stack

- ▶ Dart and Flutter
- ▶ No dependence on non-FOSS libraries
- ▶ Generated Nextcloud Dart SDK
- ▶ Neon app framework

# The Neon Framework

- ▶ The heavy lifting is already done for developers
- ▶ Many common UI components and utilities are ready to use
- ▶ Client developers only need to implement their own logic and UI
- ▶ Implemented apps work cross-platform by default

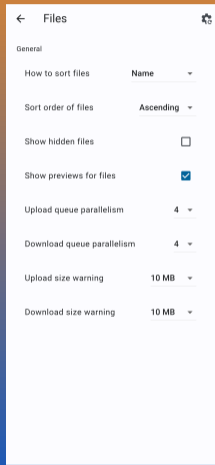
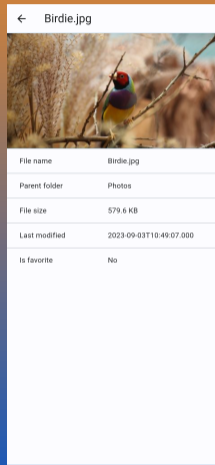
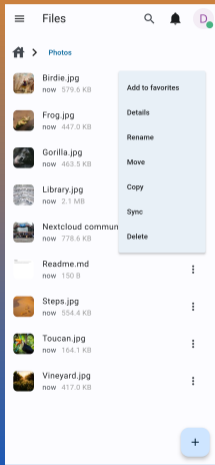
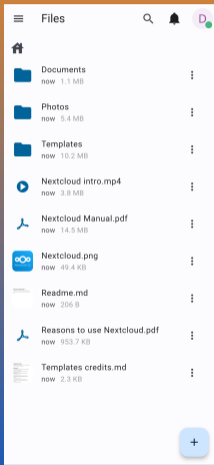
# What features are already implemented?

- ▶ Cross-platform
  - ▶ Android
  - ▶ Linux
  - ▶ Web (experimental)
  - ▶ iOS, macOS and Windows will come in the future

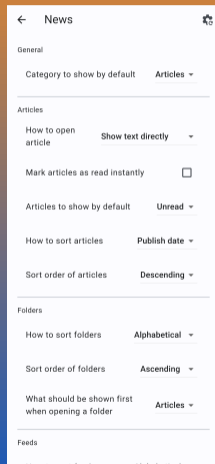
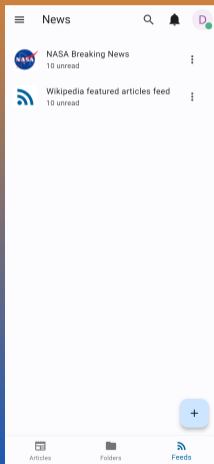
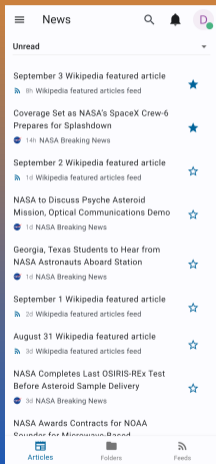
# What features are already implemented?

- ▶ Offline mode that caches server responses
- ▶ Multiple accounts
- ▶ Single or multiple app clients
- ▶ Reference implementations available

# Files

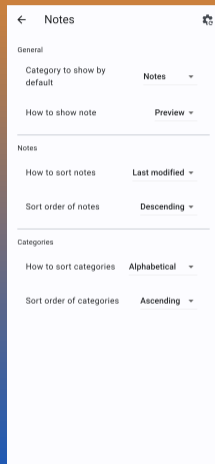
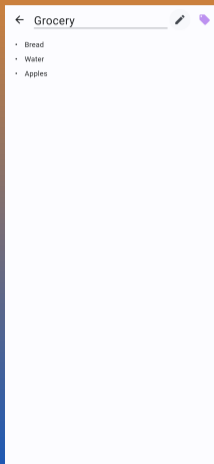


# News

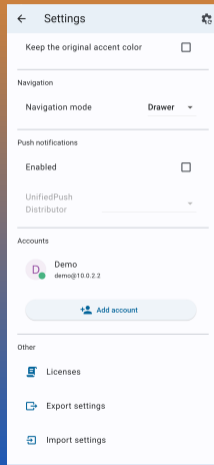
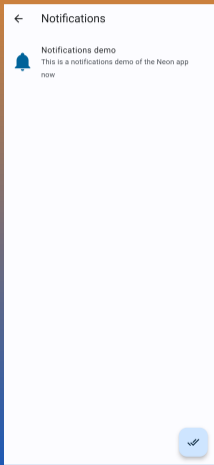




# Notes



# Notifications



# What features are next?

- ▶ Offline mode that caches user actions
- ▶ Implement more apps like Dashboard, Contacts, Talk etc.
- ▶ Support more convenience features
- ▶ Tell us what you want to see!

# How can you try out Neon?

- ▶ Checkout the source code:  
<https://github.com/nextcloud/neon>
- ▶ Attend the workshop about Neon
- ▶ Hack on it together with us during the contributor week
- ▶ It will be published soon on F-Droid, Google Play, Flathub