

Nextcloud Client: Enhancing the iOS App

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PROBLEM

- There is no way to change the theme from the mobile.
- There are a couple of theme options that a user can change on the desktop application but not yet o the mobile app including the following:
 - Background Color
 - Background Image
 - App Logo
 - App Slogan
- These theme options can't be changed through the database because they can't conflict with an organization's server theme.

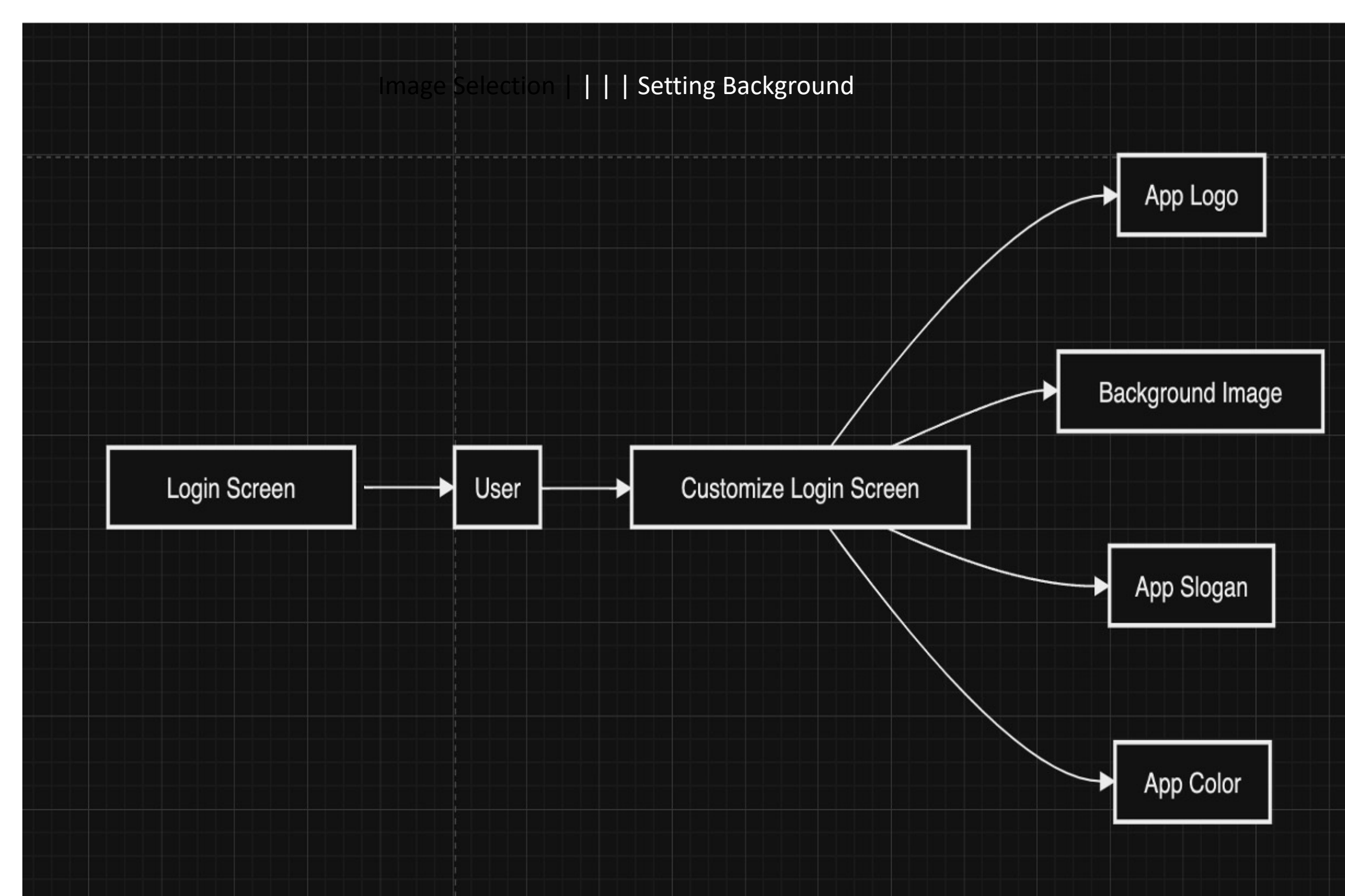
CURRENT SYSTEM

NextCloud's system currently lacks mobile accessibility for altering theme options, restricting users from adjusting server themes on their mobile devices. Theme modifications, such as logo, background image, slogan, and color, can solely be administered at an administrative level through the website application. This limitation confines users to making these alterations exclusively via the website, impeding mobile customization of NextCloud's themes.

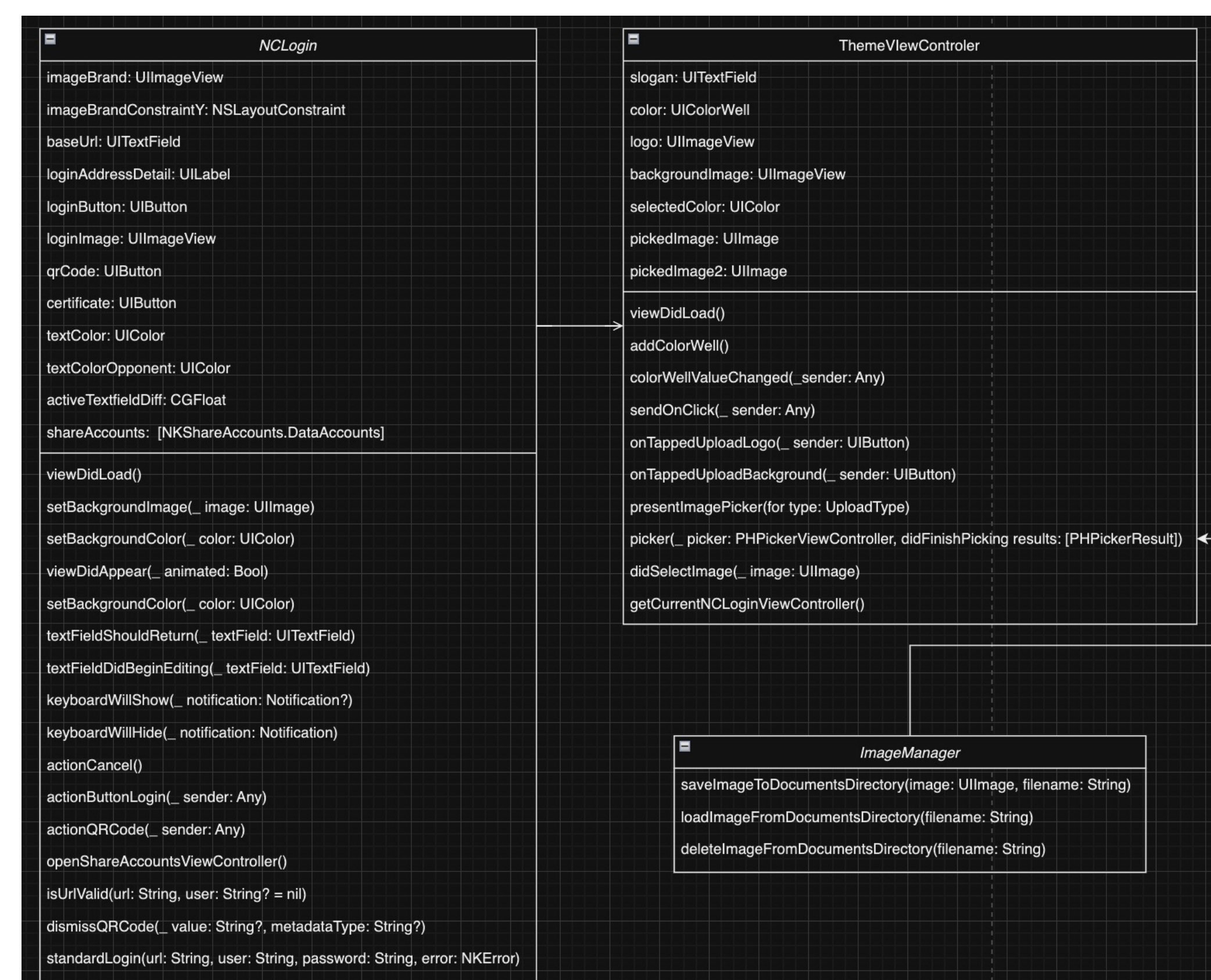
REQUIREMENTS

- The user must be able to change the app logo on the login screen
- The user must be able to change the background image on the login screen
- The user must be able to change the background color on the login screen
- The user must be able to change the app slogan on the login screen

SYSTEM DESIGN



OBJECT DESIGN



IMPLEMENTATION

- In the latest update to the NextCloud iOS app, a notable addition includes the ability for all users to individually adjust theme settings.
- This enhancement specifically incorporates options to customize logos, slogans, colors, and notably, background images within the app.
- When I implemented the feature for customizing the background image in the NextCloud iOS app, I designed it to store the selected image locally on the user's device.
- This meant that when a user picked a new background, the app would save that image directly onto their device, making it easily accessible whenever they accessed the app.
- Essentially, the app was able to retrieve and use the locally stored image as the new background, ensuring a seamless and personalized experience without affecting the server settings.

VERIFICATION

- The system was tested by entering the login view controller and theme view controller from the perspective of a user that is logged in and a user that is not logged in
- Once the theme view controller was presented all the theme options were tested individually and collectively

SUMMARY

- The recent update to the NextCloud iOS app introduced a feature allowing users to personalize their background image.
- This enhancement stores the selected image directly on the user's device, enabling easy access and utilization as the new background within the app.
- Users can now seamlessly customize their experience without impacting server settings, enjoying a personalized background stored locally on their device.

REFERENCES

- Nextcloud. (n.d.). Developer Manual. Retrieved from https://docs.nextcloud.com/server/latest/developer_manual/
- Nextcloud. (n.d.). Nextcloud iOS Repository. Retrieved from <https://github.com/nextcloud/ios>

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