

Overview

Appendix

→ File cloud

# File services

- Centralized remote file storage.
- Proprietary protocols.
- File Up- and Download.
- Multi client synchronization.
- Network file system support.
- Ubiquitous access.

# Customer demands

- Integrated backup.
- Versioning.
- Sharing on user / group level.
- Secure access, Encryption
- Consistent availability.
- Federation support.

# Driving factors

- Local hardware does not scale:
  - Systems interoperability
- Storage as a service
- Economy of scale: Cheap hardware, distributed system

# Selected cloud file services

- Google Drive
- Dropbox
- OneDrive
- iCloud Drive
- Box
- Amazon Cloud Drive

# Selected self hosting products

- Nextcloud, Owncloud
- Seafile
- Cozy
- Resilio

# Nextcloud features

- Open source (**PHP**)
- **Sync clients**
- **End-to-end encryption support**
- **Full text search**
- **Plugin extendability**
  - **CardDav**
  - **CalDav**
- **LDAP support**

# Lightning integration

The screenshot displays the Lightning calendar application interface. The window title is "First Account" and the active tab is "Calendar". The menu bar includes "File", "Edit", "View", "Go", "Message", "Events and Tasks", "Tools", and "Help". The toolbar contains "Synchronise", "Event", "Task", "Edit", and "Delete".

The main calendar area is in "Multiweek" view, showing a grid from Sunday to Saturday. The current date range is "23 February – 22 March 2014". The grid shows three events:

- 10:00 Meeting** (red bar) on Tuesday, 25 February.
- 10:00 Phone C...** (green bar) on Wednesday, 26 February.
- 10:00 Visit Sup...** (cyan bar) on Thursday, 27 February.

The right sidebar shows the "Events" panel for Tuesday, 4 March 2014, CW 9. It lists upcoming events:

- Today** (10:00): Meeting (red bar).
- Tomorrow** (10:00): Phone Call (green bar).
- Soon** (06 March 2014 10:00): Visit Supplier (cyan bar).

The left sidebar shows a monthly calendar for March 2014 and a "Calendar" section with a "Home" checkbox.