



# User Help

## Fabasphere App

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## Contents

|  |    |
|--|----|
| 1 Fabasphere App.....  | 6  |
| 2 Introduction .....   | 6  |
| 3 Starting the Fabasphere App.....                           | 7  |
| 3.1 App Passcode.....  | 8  |
| 3.2 Login .....  | 8  |
| 3.3 App Shortcuts .....                                      | 9  |
| 3.4 Push Notifications .....                                 | 9  |
| 4 User Interface .....                                       | 9  |
| 5 Navigation.....  | 12 |
| 6 Navigating in Lists.....                                   | 13 |
| 6.1 Sorting Objects .....                                    | 13 |
| 6.2 Changing a View .....                                    | 14 |
| 6.3 Filtering a List .....                                   | 14 |
| 7 Previewing Documents .....                                 | 14 |
| 7.1 Opening a Document .....                                 | 14 |
| 7.2 Editing a Document (Android Only) .....                  | 15 |
| 7.3 Editing a Text Document .....                            | 15 |
| 7.4 PDF Viewer .....   | 15 |
| 7.5 Commenting With Integrated PDF Editor.....               | 16 |
| 7.5.1 Showing Commented Versions .....                       | 17 |
| 7.5.2 Commenting.....  | 17 |
| 7.6 Media Playback.....                                      | 18 |
| 7.6.1 Picture-in-Picture Mode (Video Files Only) .....       | 18 |
| 7.6.2 Background Audio Playback (Audio Files Only).....      | 19 |
| 7.6.3 Play Now Info (iOS) and Media Controls (Android) ..... | 19 |
| 8 Home.....  | 19 |
| 9 Synchronizing and Offline Mode .....                       | 20 |
| 9.1 Synchronizing an Object .....                            | 20 |
| 9.2 Working Offline .....                                    | 21 |
| 10 Worklist.....   | 22 |
| 10.1 Available Lists.....                                    | 22 |
| 10.2 Previewing an Activity .....                            | 22 |

|   |    |
|---|----|
| 10.3 Executing a Work Item.....                             | 22 |
| 11 Favorites .....  | 23 |
| 12 Search .....   | 23 |
| 12.1 Search Modes .....                                     | 23 |
| 12.2 Saving and Loading a Search Query .....                | 24 |
| 13 Data Transfers .....                                     | 24 |
| 14 Support.....   | 25 |
| 15 Apple Watch App (iOS Only) .....                         | 25 |
| 15.1 List View .....  | 25 |
| 15.2 Detail View.....                                       | 26 |
| 16 Accessibility .....                                      | 26 |
| 17 Settings .....   | 26 |
| 17.1 View (Android Only).....                               | 26 |
| 17.2 Worklist.....  | 26 |
| 17.3 Upload .....   | 26 |
| 17.4 Security .....   | 27 |
| 17.4.1 Passcode.....  | 27 |
| 17.4.2 Change Passcode.....                                 | 27 |
| 17.4.3 Use Biometric Identification to Unlock the App ..... | 28 |
| 17.4.4 Activating Passcode Lock .....                       | 28 |
| 17.4.5 Certificate for Login (iOS Only) .....               | 28 |
| 17.4.6 Certificate for Fabasoft Secomo .....                | 28 |
| 17.4.7 Automatic Decryption .....                           | 29 |
| 17.5 Integrations (iOS Only).....                           | 29 |
| 17.5.1 Access for Calendar.....                             | 29 |
| 17.5.2 Access for Contacts .....                            | 30 |
| 17.5.3 Access for Apple Watch .....                         | 30 |
| 17.6 LAN Synchronization .....                              | 32 |
| 17.6.1 LAN Synchronization.....                             | 32 |
| 17.6.2 Offer Files.....                                     | 32 |
| 17.6.3 Manage Trusted Networks .....                        | 33 |
| 17.6.4 Connected devices .....                              | 33 |
| 17.7 Accounts and Services .....                            | 33 |

|   |    |
|---|----|
| 17.7.1 Accounts .....                         | 33 |
| 17.7.2 Fabasphere Services .....              | 33 |
| 17.7.3 Local Files .....                      | 34 |
| 17.7.4 Only Use Current Data Location .....   | 35 |
| 17.8 Support .....                            | 35 |
| 17.8.1 Send Support Request .....             | 35 |
| 17.8.2 Shake .....                            | 35 |
| 17.8.3 Screenshot (iOS Only) .....            | 35 |
| 17.9 Info .....                               | 35 |
| 17.9.1 Repository Info .....                  | 35 |
| 17.9.2 About.....                             | 35 |
| 17.9.3 Open Source Licenses .....             | 36 |
| 17.9.4 Rate App .....                         | 36 |
| 18 Various Functions and Actions .....        | 36 |
| 18.1 Creating Teamrooms .....                 | 36 |
| 18.2 Invite Contacts.....                     | 36 |
| 18.3 Creating Folders.....                    | 36 |
| 18.4 Uploading Files.....                     | 37 |
| 18.5 Copying a Link .....                     | 37 |
| 18.6 Sending a Link.....                      | 37 |
| 18.7 Sending a File.....                      | 38 |
| 18.8 Deleting an Object.....                  | 38 |
| 18.9 Renaming an Object .....                 | 38 |
| 18.10 Info.....                               | 38 |
| 18.11 Properties.....                         | 38 |
| 19 Useful Functions in the Web Client .....   | 39 |
| 19.1 Synchronization Settings .....           | 39 |
| 19.1.1 Deleting Data from Device.....         | 39 |
| 19.1.2 Removing Synchronization Settings..... | 39 |
| 19.2 Permanent Login and Device Binding ..... | 40 |
| 19.2.1 Devices With Permanent Login .....     | 40 |
| 19.2.2 Logout on Devices .....                | 40 |
| 19.3 Access for Applications .....            | 40 |

|  |    |
|--|----|
| 19.3.1 Changing Validity Period of a Password for Applications ..... | 41 |
| 19.3.2 Revoking a Password for Applications .....                    | 41 |
| 20 Security Features .....   | 41 |
| 20.1 Android .....   | 42 |
| 20.2 iOS.....  | 42 |
| 21 Export Control Classification Number (ECCN) .....                 | 43 |

# 1 Fabasphere App

The Fabasphere App is available for devices running on [Android](#) or [iOS](#).

The app for Android devices can be downloaded from [Google Play Store](#). It is recommended to use the most current Android version, but the app supports devices with Android 12.0 or later.

The app for iOS devices can be downloaded from [Apple App Store](#). It is recommended to use the most current iOS version, but the app supports devices with iOS 16.0 or later.

The apps are optimized for their respective platforms in order to provide the best user experience on each operating system. This results in a number of differences which are detailed in each chapter.

**Note:** The settings defined in the Fabasphere App may also be applied by your mobile device management.

For further information, please visit:

<https://help.cloud.fabasoft.com/index.php?topic=doc/Mobile-Device-Management/index.htm>

## 2 Introduction

The Fabasphere App provides access to your Teamrooms and data in the Fabasphere. Wherever and whenever, securely and reliably. The app connects you with colleagues and external business partners on the go. Unlimited, mobile, and secure collaboration in the Fabasphere.

The Fabasphere App allows you to:

- Access your Teamrooms, folders, and documents quickly and easily.
- Read, open, edit, and swipe between documents.
- Open documents and videos on your device either directly or with integrated apps – even in offline mode.
- Upload images, music, and videos from your libraries, or files from the file system, and from other apps – even multiple files at once.
- Synchronize your Teamrooms, folders, and documents and access them in offline mode without using the internet.
- Refresh all of the documents, folders, and Teamrooms that you want to access in offline mode with a single tap.
- Use LAN synchronization to download documents from other devices on the same network.
- Search for data in all your documents for which you have access rights.
- Create new Teamrooms and invite contacts to Teamrooms.
- E-mail links to documents, and e-mail documents as attachments.
- Display documents in full-screen mode.
- Access your worklist quickly and easily, including your tracking list.

- Sort the different lists on your worklist by date, activity type, or object - in ascending or descending order.
- Execute work items such as "Approve" or "Release" documents, and other objects.
- Interact with activities from your worklist on your Apple Watch (iOS only).
- Authenticate via the following methods: username/password, client certificates, SAML, Active Directory Federation Service, and the Austrian citizen card – depending on the edition of the Fabasphere. In case of a permanent login, the device is bound to your account using cryptographic methods.

To use the worklist, you need the Fabasphere Enterprise edition or higher.

Do you want end-to-end encryption of documents in your team rooms for the highest security? The Fabasphere App allows you to access Teamrooms that are encrypted using Secomo. Learn more about Secomo at <https://www.fabasoft.com/secomo>.

The Fabasphere is *the* cloud for secure business-to-business collaboration worldwide. All data is stored in high-performance data centers in Europe according to European data security and protection standards. The Fabasphere supports internationally recognized standards issued by independent auditors. These include ISO 20000, ISO 9001, ISO 27001, ISAE 3402 and most recently, TÜV Rheinland "Certified Cloud Service" certification. These seals of quality provide assurance and a common basis for comparison.

For more information about the Fabasphere, please visit <https://www.fabasoft.com/cloud>.

## 3 Starting the Fabasphere App

### App Permissions

The Fabasphere App requires certain app permissions for particular actions. When the app tries to execute such functions, a dialog is displayed by the operating system to provide access.

- Android
  - Storage: For monitoring a file while editing.
  - Contacts: For inviting contacts to a Teamroom.
  - Location: For restricting the LAN Synchronization feature to particular Wi-Fi networks.
  - Push notifications: For sending push notifications to your device.
- iOS
  - Face ID: For unlocking the app with Face ID.
  - Photos: For importing videos and photos from your photo library.
  - Camera: For importing videos or photos directly from the camera.
  - Microphone: For importing videos with audio directly from the camera.
  - Contacts: For inviting contacts to a Teamroom.
  - Location Services: For restricting the LAN Synchronization feature to particular Wi-Fi networks.

- Local Network Access: For using the LAN Synchronization feature.
- Push notifications: For sending push notifications to your device.

### 3.1 App Passcode

The Fabasphere App must be secured with an app passcode. The additional app passcode is an extra layer of security in order to protect the data stored on your device. If you switch the app to background for more than 15 seconds, or keep it open for more than 5 minutes without interaction, the app will be automatically locked. In order to unlock the app, you must identify yourself via the app passcode or biometric identification. The app code must consist of at least six digits.

If the passcode is entered incorrectly 5 times, all data in the app will be erased.

In case the dialog for biometric identification is accidentally closed, you can reopen it via the biometric ID button at the bottom left.

### 3.2 Login

There are multiple ways to log into the Fabasphere App:

- E-mail address and password
- Client Certificate installed in the app
- Single Sign-on with an Active Directory of your organization
- Single Sign-on with a SAML 2.0 identity provider of your organization
- Austrian Citizen Card with Mobile Signature linked to your account

To log into the Fabasphere App, proceed as follows:

1. Install and open the app.
2. Define an app passcode by entering a pin with at least six digits on the "Activate Passcode Lock" pop-up.
3. Re-enter the same passcode.
4. Optionally, you can also define to unlock the app by your biometric identification.
5. Next, you will see a "Login" button with a checkbox labelled "Stay logged in". By leaving the checkbox checked, you will only be asked for your login data once and you are logged in permanently.

**Note:** When using permanent login on iOS, there will be another pop-up, so tap "Continue".

6. Select the preferred login method to proceed.

#### Authentication with Client Certificates

The Fabasphere App supports authentication with client certificates. On Android devices, the client certificates stored on the device in the systems key store can be used.

On iOS, apps are not allowed to access the system key chain to get access to globally deployed certificates. However, if required, it is possible to import a client certificate into the app. This can be done either by importing a PKCS#12 file into the Fabasphere App using Finder (macOS only), or by opening a file with the extension `pfx.fabasoft` in the Fabasphere App using the "Open in" feature of another app. The certificate file must include the private key so

that it can be used for authentication. The certificate is securely stored in the key chain of the device.

### Additional Fabasphere Services

If you want to add an additional service, proceed as follows:

1. In the login section, press the hamburger menu icon in the top left corner to open the navigation menu.
2. Tap "Fabasphere Services".
3. Tap "Add Fabasphere Service" in the action panel.
4. Add the service by entering a display name and the fully qualified hostname.

For more information, see chapter 17.7.2 "Fabasphere Services"

## 3.3 App Shortcuts

When performing a long tap on the app icon on the home screen of your device, you can directly navigate to "Worklist", "Favorites", or "Search" or you can enter the "Offline Mode".

## 3.4 Push Notifications

You may receive push notifications, e.g. if a workflow activity has been sent to you. You can directly open the activity in the "Worklist" by clicking on the push notification in the notification center.

**Note:** On iOS, you must explicitly allow push notifications for the app. If you do not receive notifications, you need to enable them in the "Settings" app for the Fabasphere App.

1. Open the "Settings" app.
2. Locate the Fabasphere App and open it.
3. Open "Notifications".
4. Enable "Allow Notifications".
5. Among others, you may also define where the notifications will appear.

# 4 User Interface

The responsive and accessible user interface is divided into the following areas:

- Title bar  
Includes the buttons "Navigation" and "Back" and other action buttons on the right side of the title bar.
- Navigation menu  
Display your user information and provides direct access to your worklist, synchronized objects, favorites, setting, etc.
- Search bar  
Allows you to Filter the current list or to search for objects.
- Action panel  
Allows you to execute actions on the currently displayed object. It is visible below the

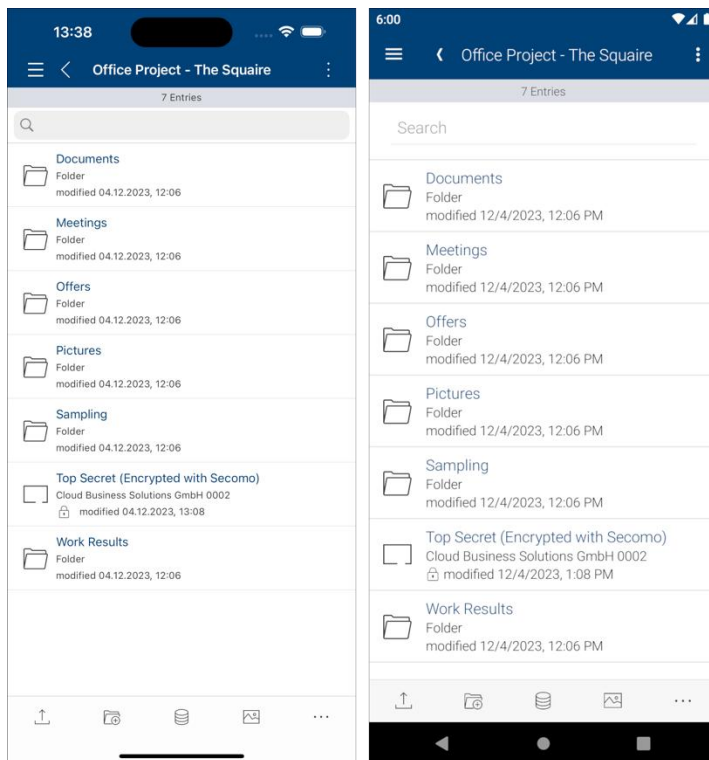
content area (on phones in portrait mode) or to the left of the content area (on tablets or phones in landscape mode).

The names of the actions in the action panel are only displayed on tablets in landscape mode. Perform a long tap on an action button to display a pop-up with the name and description (if available) of this action.

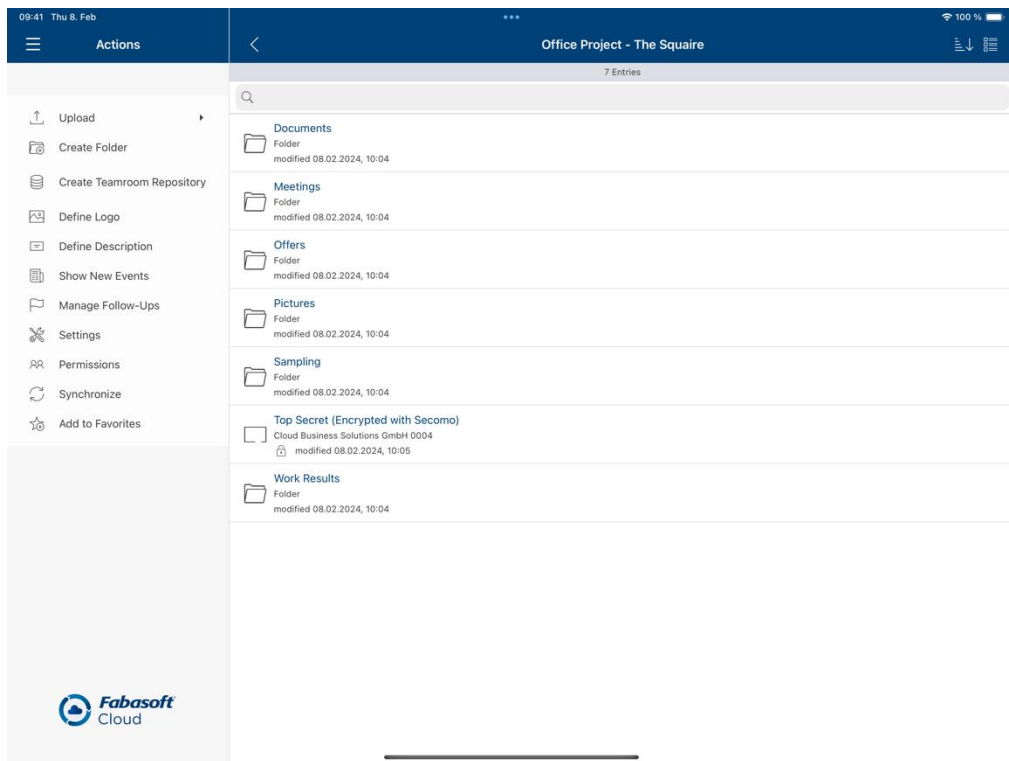
**Note:** If the buttons for all available actions do not fit into the action panel, find the additional "More Actions" button. Tap it to see all other actions in a pop-up menu.

- Content area  
Displays either a list of objects or a preview of documents.

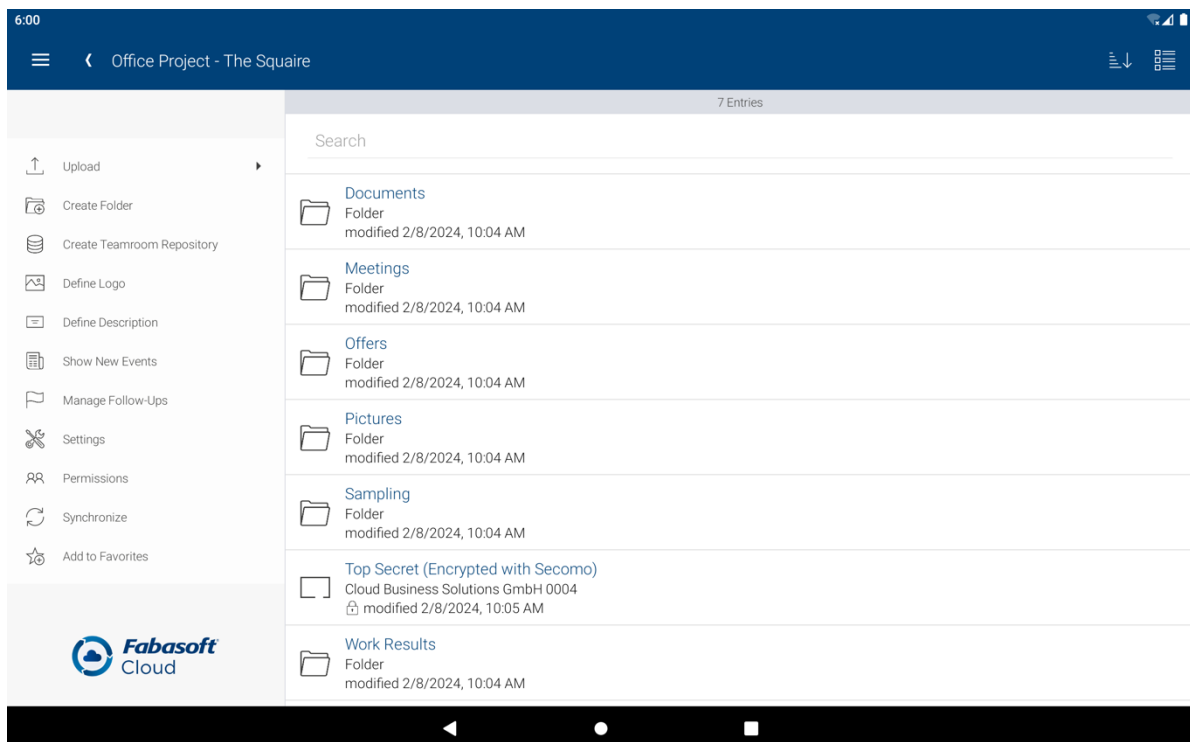
## iPhone/Android Phone



## iPad



## Android Tablet



### Note:

- In contrast to the web client the app prefers the language configured on the device for translated texts, as long as the language is supported by the server.

- In order to view the navigation menu, it is necessary to press the hamburger menu icon in the top left corner.

## 5 Navigation

Find the navigation menu by pressing on the hamburger menu icon in the top left corner. In the navigation menu, you can see the following options:

- User  
Displays your profile image, your username, and your current role (if available).
- Fabasphere  
Switches to Fabasphere data locations of the Fabasphere. Click this entry to navigate back to the Fabasphere home.
- Synchronization  
Displays all synchronized data that you can access in offline mode.
- Worklist  
Displays all activities that are to be completed, listed for individual users in the form of a "To Do" list.
- Favorites  
Displays objects that you need repeatedly.
- Search  
Displays the search portal.
- Data Transfers  
Displays the current progress of uploads, downloads, and synchronized data.
- Settings  
For more information, see chapter 17 "Settings".
- Logout

### User

In the top of the navigation menu your user information is displayed. Here you see your profile image, your username, your role, and the name of your Fabasphere service. By tapping on the user information, a popup will be displayed. The popup is divided into 2 to 3 sections.

### Roles

In this section all roles of the current user are displayed. If you don't have roles this section is not displayed.

To switch to a role, proceed as follows:

1. Open the navigation menu.
2. Tap the user information in the top of the navigation menu.
3. Select the role you want to change to.

### Accounts

In this section all added accounts of the current Fabasphere service are displayed.

If you want to switch to an account, proceed as follows:

1. Open the navigation menu.
2. Tap the user information in the top of the navigation menu.
3. Select the account you want to change to.

To add a new account, proceed as follows:

1. Open the navigation menu.
2. Tap the user information in the top of the navigation menu.
3. Tap "Add Account".
4. Login with the account you want to add.

For more information, see chapter 17.7.1 "Accounts".

## Fabasphere Services

In this section all added Fabasphere services are displayed.

If you want to switch to a Fabasphere service proceed as follows:

1. Open the navigation menu.
2. Tap the user information in the top of the navigation menu.
3. Select the Fabasphere service you want to change to.

To add a new Fabasphere service, proceed as follows:

1. Open the navigation menu.
2. Tap the user information in the top of the navigation menu.
3. Tap "Add Fabasphere Service".
4. Add the service by entering a display name and the fully qualified hostname.

For more information, see chapter 17.7.2 "Fabasphere Services"

## 6 Navigating in Lists

The name of your current location is displayed in the title bar. For navigating back, the "Back" button in the title bar can be used. Each list in the navigation menu has its own navigation stack.

### 6.1 Sorting Objects

The sorting of objects in a list can be easily adapted by tapping the "Sort" button in the right part of the title bar. You can sort objects depending on various criteria. Change the sort order by tapping the menu option another time. The current order of sorting is indicated via an arrow symbol.

The types of sorting options are:

- Name
- Last Change on/at
- No Sorting (Displays documents in the order that they are stored on the server)

- Default Sorting (iOS only)

**Note:** On iOS, the default sorting method is defined by the backend object model. On Android it can be changed in the settings; see chapter 17.1 “View (Android Only)”.

## 6.2 Changing a View

Teamrooms and folders display the objects contained within them in the content area. The type of view can be changed via the “Change View” button in the right section of the title bar.

### List

The list view is selected by default. It displays the most important information on the objects.

### Thumbnails

In the thumbnails view, you can find the name and the preview of the object. For documents, the first page is displayed.

## 6.3 Filtering a List

By using the search bar, you can easily filter by name. Just enter text without starting a search to filter the list.

# 7 Previewing Documents

The Fabasphere App provides a preview of various document types.

- When the document is an image, a preview of the image is displayed.
- If a PDF view is available for the document type, the document is presented in the integrated PDF viewer.
- On iOS, documents of the types Apple Pages, Apple Numbers, and Apple Keynote will be displayed with the integrated viewer of iOS.
- For supported audio and video types a play button will be displayed over the preview image.
- If the document cannot be converted to PDF (e.g. due to an unsupported document type), only the icon of the corresponding object class will be displayed.
- The preview and overview functionalities both support pinch-to-zoom.
- The preview of a document can be switched to full screen-mode. In full screen-mode, all UI except the title bar is hidden.

**Note:** You can use the “Open in” action to view objects in apps on your device that support the corresponding document type.

## 7.1 Opening a Document

By pressing the “Open in” action, the original file is downloaded to be opened with any application that supports the document type.

The document is opened in read-only mode, but some third-party apps may allow editing.

**Note:** Only available with corresponding configuration settings. See chapter 18 “Various Functions and Actions”.

## 7.2 Editing a Document (Android Only)

By pressing the “Edit in” action, the document is locked in the backend, so no other user can change the content while it is being edited on your device.

The original file is downloaded to be opened with any application that supports the document type.

When the third-party application properly saves the file back to the original location, the changes will automatically be uploaded to the backend. Be aware that some third-party applications do not support this, and rather try to store the file locally or elsewhere.

**Note:**

- Only available with corresponding configuration settings. See chapter 18 “Various Functions and Actions”.
- Make sure that the used third-party application properly supports the Android File Provider.
- Microsoft apps on Android do not support the edit flag and will only provide the document in read-only mode.
- For more information about the Android File Provider, please visit <https://developer.android.com/reference/androidx/core/content/FileProvider>.

## 7.3 Editing a Text Document

For text documents, an in-place-editor is available.

By pressing the “Edit” action, the in-place-editor is opened. The document is locked, so no other user can change the content while it is being edited on your device.

The original file is downloaded and opened for in-place-editing.

The changes made by in-place-editing can be canceled or saved. By tapping the “Save” button, the document is uploaded automatically. When the upload is finished, the document is unlocked and the in-place-editor is closed. The preview is refreshed automatically.

**Note:** Only available with corresponding configuration settings. See chapter 18 “Various Functions and Actions”.

## 7.4 PDF Viewer

The PDF Viewer provides the following features through buttons in the title bar:

- Search
- Content (Android)/Outline (iOS)
- Thumbnail
- Comment (depending upon your Fabasphere edition)
- Display commented versions (depending upon your Fabasphere edition)

- Open full screen mode

Moreover, a thumbnail bar is displayed at the bottom of the content view to navigate quickly to a particular page in the document.

## Search

When pressing the “Search” button in the title bar, the search view is displayed. The search view contains a text input field and a result list.

The document is searched while typing in the input field and the result list is filled with the search results. The search results are highlighted directly in the document. By tapping on a search result in the list, the document scrolls to the page and the exact location of the search result.

The search can also be triggered by selecting a text in the viewer as well as by using the context menu action “Search”.

## Content (Android)/Outline (iOS)

When pressing the “Content” action on Android or the “Outline” action on iOS, the content view is displayed. The content view displays the table of contents (when available), a list of bookmarks, and a list of annotations.

By tapping on an entry from either list, the document scrolls to the page and the exact location of the desired entry.

## Thumbnail

When pressing the “Thumbnails” button, the thumbnail view is opened. The thumbnail view takes up the entire view and displays small thumbnails for regular pages, pages with annotations, or pages with bookmarks for easy and fast navigation.

By tapping on a thumbnail, the document scrolls to the desired page.

## Thumbnail Bar and Scrollbar

A thumbnail bar is also available via a floating widget on the bottom of the PDF overview and can be made visible or hidden by pressing anywhere on the screen. By tapping an item from the thumbnail bar, the document scrolls to the desired page.

A scrollbar is available on the right side of the PDF viewer and can be shown or hidden by pressing anywhere on the screen. It is also shown when starting to scroll. The scrollbar handle can be used for easy and fast navigation.

## 7.5 Commenting With Integrated PDF Editor

This feature is only available when the Fabasphere App “Commenting With Integrated PDF Editor” is licensed.

This allows to add public and private comments for specific document versions. Comments can be added to all documents that provide a PDF rendition. The comments are not stored within the PDF document but in separated meta data.

By default, the current version is commented. Whenever the primary content of a document changes, a new "review version" is created automatically. You can switch between these "review versions" via the "Show commented versions" button in the title bar.

### 7.5.1 Showing Commented Versions

When commented versions of the document are available, the "Show commented versions" button is available in the title bar. When pressing the button, a dialog listing the available versions and layers is displayed.

- Select a version number to load the content of the desired document version.
- Check or uncheck the layers to show or hide comments for the selected layer type.

The selection states for the selected version and checked layers are stored until the preview is closed. When swiping between documents, the selected states are applied.

When a version is selected, the preview displays the desired document version, but the regular actions in the action panel on the bottom of the app only apply to the current version. The selected version is only meant for overview and commenting. It is not possible to edit an earlier document version. However, comments can be added to the current version or any previous version of the document.

### 7.5.2 Commenting

When pressing the "Comment" button, the document is prepared for commenting, i.e. public/private layers are generated. If the document has no earlier versions or layers, a persistent version is created. Each version consists of a public and a private layer.

The public layer is can be edited by anyone with access rights to the document.

The private layer is only editable to the current user. No other user can read comments within the private layer.

When the document is prepared, the in-place-editor for commenting is opened.

The document and existing comments for the selected version are reloaded before being displayed.

The in-place-editor shares some buttons with the PDF viewer (see also 7.4 "PDF Viewer"):

- Search
- Content
- Thumbnail

The in-place-editor has the following additional features:

- Layer selection
- Cancel
- Save
- Annotation toolbar

## Layer Selection

Depending on the currently selected layer, the “Comment Publicly” button or “Comment Privately” button is available. It may be possible that you are only allowed to add public or private comments (e.g. depending on the settings of the Teamroom). In this case you cannot change the layer, therefore no button appears.

In addition, the currently selected layer is displayed below the title bar on top of the editor. Comments can only be edited for the currently selected layer. If you add new comments, they are saved along the selected layer.

## Cancelling

When pressing the “Cancel” button, a dialog may appear to confirm that changes are discarded, otherwise the in-place-editor is closed immediately.

## Saving

When tapping the “Save” button, the comments are saved to the backend.

## Annotation Toolbar

The annotation toolbar contains different tools to annotate the document.

The following tools are available:

- Markup (Highlight, Underline, Strike Out, Squiggly)
- Note
- Text
- Drawing
- Geometric Forms (Line, Square, Polygon, Circle, Arrow)
- Eraser
- Change Color

## 7.6 Media Playback

For supported audio and video files a play button will be displayed in the preview. By pressing this button, the media player opens and playback of the given media starts automatically. With the media player the user can control media playback intuitively by using the displayed controls.

**Note:** A running playback delays the app passcode lock.

### 7.6.1 Picture-in-Picture Mode (Video Files Only)

For video files playback can continue in Picture-in-Picture mode, by either pressing the dedicated Picture-in-Picture mode button or by moving the app to the background while playback is running.

**Note:** A running playback in Picture-In-Picture mode delays the app passcode lock.

**Note:** Picture-in-Picture mode only works for video files that are not encrypted using Secomo and not restricted by the Teamroom setting “Restrict the Downloading or Opening of Content on the Device”.

### 7.6.2 Background Audio Playback (Audio Files Only)

For audio files media playback will continue when the app is moved to the background.

The Android app has a dedicated button which will close the media player and continue audio playback in the background.

**Note:** Background audio playback only works for audio files that are not encrypted using Secomo and not restricted by the Teamroom setting “Restrict the Downloading or Opening of Content on the Device”.

### 7.6.3 Play Now Info (iOS) and Media Controls (Android)

Starting the playback of an audio or video file will update the Play Now Info (iOS) or the media controls (Android) which is/are displayed in the notification center of the device.

**Note:** This only works for audio and video files that are not encrypted using Secomo and not restricted by the Teamroom setting “Restrict the Downloading or Opening of Content on the Device”.

## 8 Home

The home screen is your starting point to the Fabasphere App. You find a number of widgets and dashboards most of which are identical to the ones in the web client.

You can change the view of the home screen by tapping “Change View” in the title bar. You can choose between a card view or a list view.

The following widgets are initially available to you, depending on the configuration of your organization:

#### Personal Folder:

- Stores Teamrooms and other objects that are important for you.

#### Organization Folder:

- Contains all standard Teamrooms of your organizations in which you are authorized.

#### Teamrooms Shared With Me:

- Contains all Teamrooms in which you are authorized as a team member. Teamrooms that you have created yourself are excluded from this list. For a better overview, the list is structured by date.

#### Favorites:

- Displays objects that you need repeatedly.

#### Worklist:

- Displays all activities that are to be completed, listed for individual users in the form of a "To Do" list.

#### **Search:**

- Displays the search portal.

#### **Follow-Ups:**

- Contains your follow-ups that fall within the period you defined.

#### **Other Dashboards:**

- Apps that offer their own dashboards are also displayed directly on "Home".

#### **Note:**

- The logo in the top right corner of the navigation menu is a shortcut to go back to "Home".
- On tablets, the logo at the bottom of the action panel is a shortcut to go back to "Home".
- In contrast to the web client, the widgets "Worklist", "Favorites" and "Search" are shortcuts to the respective entries in the navigation menu.
- On Android the list view on home does not support swipe actions.

## **9 Synchronizing and Offline Mode**

You can synchronize objects to your device and use them offline.

### **9.1 Synchronizing an Object**

By using the "Synchronize" action in Teamrooms or folders, you synchronize (i.e. copy) these objects, including their children, to your device so that they are made available offline.

Synchronizing one or multiple folders or Teamrooms may take some time, depending upon the number of objects and the size of the documents that need to be transferred to your device. Hence, a "Synchronization" dialog indicates the number of files and directories as well as the estimated size of the documents. If you agree to synchronize this amount of data, tap the "Start" button. Afterwards, a progress of the synchronization job is displayed in the "Data Transfers" section that can be accessed via the navigation menu. Tap the progress bar to open a detailed dialog for this synchronization job.

You can also cancel the job, either in the "Synchronization" dialog or via the "Cancel" button displayed when swiping from right to left on the progress list entry.

The synchronized objects can be accessed via the "Synchronization" list which can be found in the navigation menu. You can access the objects in these folders via the "Synchronization" list. To remove an entry from the list, tap the "Do not Synchronize" button which appears when you swipe from the right to left on said entry.

#### **Note:**

- During synchronization on iOS devices, the Fabasphere App must remain active in the foreground. Apple iOS does not support synchronization processes in background jobs.

- On Android devices, synchronization jobs are permitted in the background, so you can use other apps in the meantime.
- When synchronizing large amounts of data
  - connect your device to the power supply.
  - an iOS device does not go into stand-by-mode.
    - keep your device in a safe place.
    - it is advisable to reduce screen brightness in order to protect the screen of your device from burn-in (image retention).
- If there are errors during the synchronization process, the app will retry downloading the data three more times at the end of the job.

These synchronized objects are also checked for updates on a regular basis.

## 9.2 Working Offline

If you want to work offline, switch to “Offline Mode” via the action in the navigation menu. In “Offline Mode”, there is no network access. Only previously synchronized data that is stored locally on your device is available.

Since there is no connection to the server, only a limited number of actions can be executed. For example, you can:

- Browse and view your folders and documents.
- Open documents in other apps.
- Add files from your device to existing folders and Teamrooms.
- Add objects to your favorites list.
- Copy and send links to objects.
- Add private comments to your documents.

Some important restrictions of the “Offline Mode” are:

- When searching for objects, only cached metadata can be searched. There is not full text search with Mindbreeze available.
- You cannot access your worklist.
- You do not need to log in to your backend system in “Offline Mode” since you do not have access to the authentication service. Therefore, it is important to protect the access your data via the application passcode.

**Note:** The Fabasphere App can also handle a temporary loss of the network connection. In this case, only cached data is presented until a proper server connection can be re-established. Use “Offline Mode” in combination with your synchronized data if you have planned for periods of offline work. Only “Offline Mode” ensures that all your data is available on your device.

## 10 Worklist

In "Worklist", all activities to be completed (= activities and the working steps to be carried out in it) are clearly listed for individual users in the form of a "To Do" list. Processes are used to define who is allocated which activities in their worklist and when.

### 10.1 Available Lists

The work list consists of the following lists (only visible if at least one entry is present):

- To Do  
Contains the current activities that need to be done.
- To Do as Substitute  
Contains the current activities that need to be done while in the role of a substitute.
- Suspended  
Contains activities that are suspended for a defined time span.
- Suspended/Pending as Substitute  
Contains activities that are suspended for a defined time span and need to be done while in the role of a substitute.
- Concerned Objects  
Contains objects related to current activities.
- Last Finished  
Contains completed activities.
- Tracking  
Contains objects of already completed activities.

### 10.2 Previewing an Activity

When tapping an activity, the object behind the activity is displayed in the integrated viewer. In the action panel, the work items of the activity appear. Moreover, the actions of the object are presented in a hierarchical action entry.

If there is a folder behind the activity, the content list of the folder is visible by default. You can change this behavior in the menu "Settings" by activating the option "View Activities as PDF". In this case, the PDF rendition of the folder is displayed in the viewer.

### 10.3 Executing a Work Item

To execute a work item, proceed as follows:

1. Navigate into the worklist within the "To Do" list.
2. Tap the desired activity.
3. Find the available work items of the activity in the action panel.
4. Tap the entry in the action panel. Depending on the work item, the corresponding action is carried out (e.g. "Open" displays a document in the corresponding third-party product).
5. Moreover, the actions of the object are presented in a hierarchical action entry.

**Note:** You can perform a long tap on an action in order to see a pop-up displaying its name.

## 11 Favorites

Favorites allow you to quickly access objects that you need repeatedly.

The context-independent “Favorites” tool can be opened or closed via selection in the navigation menu. In order to remove an item from favorites, you can navigate into the favorites via the navigation menu and swiping the desired item from right to left, then tap the “Remove from Favorites” button. Alternatively, navigate to the desired object and tap “Remove from Favorites” in the action panel.

## 12 Search

The Fabasphere App provides a versatile GUI to handle various search modes.

1. Enter the desired search term in the search field below the title bar.
2. Tap “Enter”.

This causes the search result and the “Search Facet” tool to be opened.

You also can enter the search via the navigation menu or by clicking the search widgets on the home screen.

The “Search Facet” tool is available on the left pane for devices that provide enough screen real estate. If the screen is too small, a button to open the “Search Facet” tool is displayed in the title bar. The button is marked with a red dot in case some filters have been set. When the “Search Facet” tool is opened via the button, it also contains the search field to directly adjust the search.

**Note:** If the search is opened without entering a search term the “Search Facet” tool is shown instead of the search result list. After entering a search term or changing a search criterion the “Search Facet” tool will move to the left pane or will be accessible via the button in the title bar.

Tap a facet to open the facet selection dialog. The facet selection dialog offers an input field for filtering the available facets. Tap a facet to change the selection. Facets cannot be selected while a search request is running. When the facet selection dialog is saved, the search will reload and display the adjusted restrictions.

The available facets on the search mode. Multiple instances of search can be opened.

### 12.1 Search Modes

#### Searching with Mindbreeze

When the search is performed using Mindbreeze, there are typically many facets available to limit the available search results. The facets are generated by Mindbreeze according to the search result for the current search query. Searching with Mindbreeze allows full-text search and finds all folders and documents indexed by Mindbreeze.

## Searching Offline

When a search is performed while in offline mode or when there is no connection, there are no facets available except for "Type". Searching offline only encompasses synchronized entries. Entries that have been cached locally, but are not synchronized, will not be searched.

On iOS, an entry will be displayed as a result to the search query if any cached property matches the desired search query.

On Android, an entry will be displayed as a result to the search query if the name matches the desired search query.

## 12.2 Saving and Loading a Search Query

To save a search query, proceed as follows:

1. Open the "Search Facet" tool.
2. Tap the "Save Search Query" entry.
3. Enter a name and tap "Save".

To load an already saved search query, proceed as follows:

1. Open the "Search Facet" tool.
2. Tap the "Saved Search Queries" entry.
3. Select a saved search query.

The search will reload with the saved search query and the previously selected facets.

Due to different available facets, depending on online or offline mode, the search queries are saved in different containers. It is not possible to load a saved search query from an offline search while online and vice-versa.

## 13 Data Transfers

The "Data Transfers" section can be found in the navigation menu. In it, all pending data transfers (downloads and uploads) are listed, e.g. during synchronization of folders, uploading files from the device, uploading comments, etc.

You can use this list to get more information about the progress of the synchronization or upload job. You can also cancel such a job.

### Cancelling Data Transfers

In order to cancel a synchronization or upload job, proceed as follows:

1. Swipe the entry in the data transfers list from right to left.
2. Tap the "Cancel" button.

## 14 Support

You can send a support request or feedback to the support team when you experience difficulties using the app. To trigger a support request, proceed as follows:

1. Shake your device or take a screenshot (iOS only).
2. Provide a description of your problem.
3. Decide whether to include a screenshot.

**Note:** It is recommended to send a screenshot along with your support request. However, by default, the screenshot is not included. Manually include your desired screenshot(s) by activating the corresponding option in the feedback dialog. You can also mark, black out or crop parts of the image. This will help the support team to better help you with your problem.

4. Decide whether to include log files.

**Note:** It is recommended to send log files along with your support request. However, by default, log files are not included.

5. Tap "Send".

## 15 Apple Watch App (iOS Only)

The Fabasphere App for iOS includes an Apple Watch app which allows you to access your worklist on the Apple Watch.

The Apple Watch app provides the following features:

- Displays the "To Do" list and the "To Do as Substitute" list of all connected Fabasphere services.
- Provides a detailed overview of specific activities.
- Opens a specific activity on the iPhone.

### 15.1 List View

The list view contains a cumulated list of all "To Do" and "To Do as Substitute" activities. Each entry in the list consists of a title, subtitle, an abstract, and the "received on/at" date. The activities are sorted by their "received on/at" date in descending order.

**Note:** It is possible to link multiple services with the Apple Watch app. If there is more than one Fabasphere service, the activities of all connected Fabasphere services are cumulated into one list.

By selecting a list entry, the details of an activity are displayed.

#### Reload

The list is automatically reloaded on several occasions e.g. when opening the app or completing an activity on the iPhone. To reload the list manually, use the context menu on the list:

1. Perform a long tap on the list using force touch.

2. Tap the “Refresh” button.

## 15.2 Detail View

The detail view offers all details of a specific activity. It consists of at least the title, the subtitle, the “received on/at” date and the full abstract of an activity. Furthermore, there may be more relevant properties, e.g. the “started on/at” date or the hint.

In addition to the details of an activity, there is the “Open on iPhone” button. It opens the selected activity on the iPhone to perform additional actions on that activity.

## 16 Accessibility

The Fabasphere App supports operation specific accessibility features such as “Voice Over” on iOS or “Talkback” on Android.

## 17 Settings

The app settings can be accessed via the navigation menu. A mobile device management system can also be used to administrate and distribute many of these settings.

For further information on settings available in mobile device management, please visit:

<https://help.cloud.fabasoft.com/index.php?topic=doc/Mobile-Device-Management/index.htm>

### 17.1 View (Android Only)

In the “View” tab you can define the sorting of newly loaded lists.

#### Default Sorting

In the setting “Default Sorting”, you can choose how newly loaded lists are sorted. For all sorting options, see chapter 6.1 “Sorting Objects”.

**Note:** On iOS, the default sorting is retrieved from the settings on the server.

### 17.2 Worklist

In the “Worklist” tab you can define how objects are displayed in the worklist.

#### View Activities as PDF

In the “View Activities as PDF” setting, you can determine if folders are displayed as their PDF rendition when an activity is opened in the worklist. By default, folders present their contents in a list.

### 17.3 Upload

In the “Upload” tab you can define whether images should be scaled down when uploaded.

## Reduce Image Size for Upload

In the "Reduce Image Size for Upload" setting, you can determine if images which are larger than 1MB should be scaled down when uploaded. The options are "Original Size", "Large" (max. 1280px), "Medium" (max. 640px), "Small" (max. 320px) and "Ask me every time". By default, images will be uploaded keeping their original size.

## 17.4 Security

The Fabasphere App provides the following security features.

### 17.4.1 Passcode

The Fabasphere App must be secured with an app passcode. The additional app passcode is an extra layer of security in order to protect the data stored on your device. If you switch the app to the background for more than 15 seconds, or keep it open for more than 5 minutes without interaction, the app will be automatically locked. In order to unlock the app, you must identify yourself via the app passcode or biometric identification. The app code must consist of at least six digits.

When the app is used for the first time, the user is required to enter a passcode.

If the passcode is entered incorrectly 5 times, all data in the app will be erased.

#### Note:

- The app passcode is used to protect the access to your data via the user interface of your device. The Fabasphere App will not use the app passcode to encrypt locally stored and cached data. However, data stored on the device is encrypted by operating system mechanisms. On iOS devices and on Android devices that support data encryption, your data is safe as long as you protect your device with a device pin! It may be possible to access the data on your device through some third-party tools (e.g. backup tools) as soon as your device is unlocked. In the Fabasphere, you can use Fabasoft Secomo for additional data encryption in Teamrooms. See setting 17.4.7 "Automatic Decryption" for further information.
- By default, the Fabasphere App requires using an app passcode. The individual user cannot deactivate this feature. However, this feature and its enforcement can be disabled by using a corresponding mobile device management setting. This setting has to be administered and distributed centrally.

For further information on settings available in mobile device management, please visit:

<https://help.cloud.fabasoft.com/index.php?topic=doc/Mobile-Device-Management/index.htm>

### 17.4.2 Change Passcode

In order to change your app passcode, proceed as follows:

1. Open "Settings" via the navigation menu.
2. In the "Security" tab, tap "Change Passcode".
3. Enter your current passcode.

4. Enter your new passcode.
5. Re-enter your new passcode.

### 17.4.3 Use Biometric Identification to Unlock the App

You can enable/disable the usage of the biometric identification feature, depending on your device, to unlock the Fabasphere App.

1. Open "Settings" via the navigation menu.
2. In the "Security" tab, enable/disable "Use Touch ID/Face ID/Fingerprint ID for Passcode".
3. Confirm this change by entering your current passcode.

### 17.4.4 Activating Passcode Lock

In case that the app passcode feature is not enforced on your device, you can activate and deactivate the passcode lock for the Fabasphere App via the corresponding option.

1. Open "Settings" via the navigation menu.
2. In the "Security" tab, tap the corresponding option to activate or deactivate the app passcode.

### 17.4.5 Certificate for Login (iOS Only)

The Fabasphere App supports multiple authentication methods including authentication with client certificates. However, on iOS, an app is not allowed to access the system key chain to get access to globally deployed certificates. It is possible to import a client certificate into the app, though, if required. This can be done either by importing a PKCS#12 file into the Fabasphere App using Finder (macOS only), or by opening a file with the extension `pfx.fabasoft` in the Fabasphere App using the "Open in" feature of another app.

You can see the state of the imported client certificate when choosing this option. If there are multiple client certificates available, you can select the certificate that should be used for client certificate authentication.

**Note:** We recommend using the permanent login feature (activate "Stay logged in" on the login page). In this case, the authentication is delegated to a Safari web view which has access to the system key chain. In general, mobile device management software allows to distribute client certificates that can be used by Safari. In this case, the client certificate need not be stored in the context of the Fabasphere App.

### 17.4.6 Certificate for Fabasoft Secomo

If you have your own Fabasoft Secomo Appliance for end-to-end encryption, you can specify that users must authenticate on Fabasoft Secomo with client certificates. In this case, you have to import a PKCS#12 file into the Fabasphere App using Finder (macOS only), or by opening a file with the extension `pfx.fabasoft` in the Fabasphere App using the "Open in" feature of another app. If you use an Android device you can select the certificate on your phone via the Fabasphere App.

You can see the state of the imported client certificate when choosing this option. If there are multiple client certificates available, you can select the certificate that should be used for Fabasoft Secomo.

### **17.4.7 Automatic Decryption**

When accessing documents in encrypted Teamrooms, the Fabasphere App will decrypt files with the help of Fabasoft Secomo. By default, the decrypted files will only be stored temporarily on the device when needed. Therefore, it is not possible to access encrypted files in "Offline Mode" since a connection to Fabasoft Secomo will not be established in this mode.

In order to ensure that decrypted files will be stored on the device for offline access, proceed as follows:

1. Open "Settings" via the navigation menu.
2. In "Security", enable the option "Automatic Decryption".

## **17.5 Integrations (iOS Only)**

In the "Integrations" section you can manage the access for calendar, for contacts and for Apple Watch.

### **17.5.1 Access for Calendar**

The Fabasphere offers the integration of calendar data via the standard protocol CalDAV. The iOS app Calendar supports this standard protocol as well. In order to access calendar data from the Fabasphere in the app "Calendar", a number of steps is required to create a proper calendar account.

Using this option will simplify the setup of such a calendar account by creating and offering a profile which can be installed in the iOS "Settings" app.

In order to provide access to your Fabasphere calendars in the iOS "Calendar" app, proceed as follows:

1. Open "Settings" via the navigation menu.
2. Tap "Access for Calendar".
3. Set the validity (renewal) period for this password. CalDAV calendars do not support two-factor authentication via mobile PIN, hence a temporary password for applications is needed and it must be renewed regularly.
4. Choose the data location of the Fabasphere where your calendars are located.
5. Tap the "Install" button.
6. A link will be opened in "Safari" to download the temporarily created profile. Confirm the access to this link and allow the download of the generated configuration profile.
7. Open the iOS "Settings" app to finish the installation of the configuration profile.
8. Open the "Profile Downloaded" entry in the iOS "Settings" app.
9. Tap the "Install" button to continue installing the configuration profile.
10. Enter the passcode of your device.

11. Confirm the warning by tapping the "Install" button. This is necessary because the configuration profile is not signed by an officially trusted certificate.

If you want to revoke this setting, see chapter 19.3.2 "Revoking a Password for Applications".

### 17.5.2 Access for Contacts

The Fabasphere offers the integration of contact data via the standard protocol CardDAV. The "Contacts" app on iOS supports this standard protocol, too. In order to access contact data from the Fabasphere in the "Contacts" app, a number of steps is required to create a proper contacts account.

Using this option will simplify the setup of such a contacts account by creating and offering a profile which can be installed in the iOS "Settings" app.

In order to provide access to your Fabasphere contacts in the iOS "Contacts" app, proceed as follows:

1. Open "Settings" via the navigation menu.
2. Tap "Access for Contacts".
3. Set the validity (renewal) period for this password. CardDAV calendars do not support two-factor authentication via mobile PIN, hence a temporary password for applications is needed and it must be renewed regularly.
4. Choose the data location of the Fabasphere where your contacts are located.
5. Tap the "Install" button.
6. A link to download the temporarily created profile will be opened in "Safari". Confirm the access to this link and allow the download of the generated configuration profile.
7. Open the iOS "Settings" app to finish the installation of the configuration profile.
8. Open the entry "Profile Downloaded" in the iOS "Settings" app.
9. Tap the "Install" button to install the configuration profile.
10. Enter the passcode of your device.
11. Confirm the warning by tapping the "Install" button. This is necessary because the configuration profile is not signed by an officially trusted certificate.

If you want to revoke this setting, see chapter 19.3.2 "Revoking a Password for Applications".

### 17.5.3 Access for Apple Watch

The Fabasphere App for iOS includes an Apple Watch app which allows you to access your worklist on the Apple Watch.

For a detailed description of all Apple Watch app features, see chapter 15 "Apple Watch App (iOS Only)".

#### 17.5.3.1 Connecting Your Watch

To access your worklist on the watch, you need to activate the connection by creating a password for applications in the Fabasphere App settings:

1. Open "Settings" via the navigation menu.
2. Select "Access for Apple Watch".

3. Open the Fabasphere App on the Apple Watch.
4. Wait until the iPhone app and the Apple Watch app have established a connection.
5. Select the Fabasphere data location you want to connect.
6. Tap "Connect".
7. Set the validity period for the newly created password for applications.
8. Tap "Done".

Once a connection has been successfully established, the state is updated and highlighted in green. If you want to revoke this setting, see chapter 19.3.2 "Revoking a Password for Applications".

### 17.5.3.2 Updating

If the previously created password for applications has been revoked or reached the end of its validity period, the Apple Watch app connection has to be updated. To update the connection, proceed as follows:

1. Open "Settings" via the navigation menu.
2. Select "Access for Apple Watch".
3. Select the Fabasphere data location you want to update.
4. Tap "Update".
5. Set the validity period for the password for applications.
6. Tap "Done".

Once the Apple Watch app has been successfully updated, the state is updated and highlighted in green.

**Note:** If the password for applications has been revoked, a new one is created. Once the end of the validity period has been reached, the validity period of the existing password is updated.

### 17.5.3.3 Disconnecting

To remove access to your worklist from the Apple Watch app, you need to disconnect the Fabasphere data location and revoke the password for applications in the Fabasphere App settings:

1. Open "Settings" via the navigation menu.
2. Select "Access for Apple Watch".
3. Select the Fabasphere data location you want to disconnect.
4. Tap "Disconnect".

Once the Apple Watch app has been successfully disconnected, the state is updated and highlighted in red.

**Note:** The "Disconnect" action can also be performed by swiping left on the Fabasphere data location you want to disconnect.

## 17.6 LAN Synchronization

By default, synchronization is carried out over the internet with the Fabasphere. Depending on the amount of data to be transferred and the speed of your internet access, this may take a considerable amount of time.

Use LAN synchronization to achieve a significant reduction in the required internet bandwidth and a significantly increased synchronization speed. When files need to be downloaded by the Fabasphere App (e.g. because they are synchronized or they have changed), all devices (including Microsoft Windows and Apple macOS workstations that have the Fabasphere Client installed) that offer LAN synchronization in the same local network are contacted first, whether the changed data is already available locally. If this is the case, the data is synchronized via LAN, not the internet. Security is ensured in both cases through encryption.

### 17.6.1 LAN Synchronization

To be able to use the LAN synchronization, you have to enable it:

1. Open "Settings" via the navigation menu.
2. Enable "LAN Synchronization".

**Note:** Synchronization and other communication use the TCP port 17096 and the IP multicast address 224.0.0.202 or ff02::1 (local subnetwork). If necessary, corresponding settings must be made for the firewall.

### 17.6.2 Offer Files

The Fabasphere App does not offer files for LAN synchronization by default, it only consumes them. If you want the Fabasphere App to offer files for LAN synchronization, you have to enable this functionality explicitly. Since it is not possible to create background jobs on iOS, the Fabasphere App for iOS is "locked" in that mode. The app cannot perform tasks in the foreground until you switch off this mode.

To enable the offer file mode, proceed as follows:

1. Open "Settings" via the navigation menu.
2. Tap "Offer Files".

On iOS, you need to end this mode if you want to work with the app again.

**Note:** On Android, the "Offer Files" mode works both as a foreground or background job. On iOS, however, the Fabasphere App must remain active in the foreground.

When "Offer Files" mode is active on iOS, consider the following:

- Connect your device to the power supply, since this mode may cause increased power drain.
- The device will not go into stand-by-mode.
  - Keep your device in a safe place.
  - It is advisable to reduce screen brightness in order to protect the screen of your device from burn-in (image retention).

### 17.6.3 Manage Trusted Networks

LAN synchronization should only be used in trusted networks. Therefore, you can define SSIDs to identify your trusted Wi-Fi networks:

1. Open "Settings" via the navigation menu.
2. Enable "LAN Synchronization".
3. Tap "Manage Trusted Networks".
4. Tap "Add" to add your currently used Wi-Fi network to the list of trusted networks.

To delete a Wi-Fi network from the list, proceed as follows:

1. Open "Settings" via the navigation menu.
2. Tap "Manage Trusted Networks".
3. Swipe left on the entry that you want to remove.
4. Tap the "Remove" button.

### 17.6.4 Connected devices

To check devices that offer files via LAN synchronization, proceed as follows:

1. Open "Settings" via the navigation menu.
2. Tap "Connected devices".
3. To see how your device is presented on other devices, tap the "Info" action.

## 17.7 Accounts and Services

In the "Accounts and Services" section you can manage all accounts and services and clear the cache.

### 17.7.1 Accounts

If you want to add an additional account, proceed as follows:

1. Open "Settings" via the navigation menu.
2. Tap "Accounts in ...".
3. Tap "Add Account" in the action panel.
4. Login with the account you want to add.

To remove an account, proceed as follows:

1. Open "Settings" via the navigation menu.
2. Tap "Accounts in ...".
3. Android: Tap on the red icon next to the entry that you want to remove and tap "Remove".  
iOS: Swipe left on the entry that you want to remove and tap the "Remove" button.

**Note:** Requires Fabasphere 2022 November Release or later.

### 17.7.2 Fabasphere Services

If you want to add an additional service, proceed as follows:

1. Open "Settings" via the navigation menu.
2. Tap "Fabasphere Service".
3. Tap "Add Fabasphere Service" in the action panel.
4. Add the service by entering a display name and the fully qualified hostname.

**Note for App Developers:** You can also register your virtual development environment (VDE) as a Fabasphere Service to test the access to your objects in the mobile apps. Add the full path to your Fabasphere sandbox in the field "Hostname of Fabasphere" including the virtual directory "/folio".

To remove a Fabasphere service, proceed as follows:

1. Open "Settings" via the navigation menu.
2. Tap "Fabasphere Services".
3. Android: Tap on the red icon next to the Fabasphere service that you want to remove and tap "Remove".  
iOS: Swipe left on the Fabasphere service that you want to remove and tap the "Remove" button.

### 17.7.3 Local Files

Displays size information about data used on the device for synchronized and cached objects.

If you have registered a Fabasoft Private Fabasphere as a separate Fabasphere service, you can opt to delete the entire cache from your device (all registered Fabasphere services and the public Fabasphere), or only from the currently selected Fabasphere service.

In order to delete local files, proceed as follows:

1. Open "Settings" via the navigation menu.
2. Tap "Local Files".
3. Now you can decide which cache you want to delete:
  - Local files of the current tenant
  - Local files of the current role
  - Local files of the current account
  - Local files of the current service
  - Remove All Files

iOS: Swipe left on the entry that you want to remove and tap the "Remove Local Files" button.

Android: Tap on the red icon next to the entry that you want to remove and tap "Remove".

#### Remove All Files

In order to clear the local files for all your registered Fabasphere services, proceed as follows:

1. Open "Settings" via the navigation menu.
2. Tap "Remove All Files".

### 17.7.4 Only Use Current Data Location

Limits the data to currently selected data location. If this setting is selected, you can only see data from the currently selected data location. This also affects the synchronization list, the favorites list and the worklist.

## 17.8 Support

You can send a support request or feedback to the support team when you experience difficulties using the app. To trigger a support request, see chapter 14 "Support".

### 17.8.1 Send Support Request

To send a generic support request, proceed as follows:

1. Open "Settings" via the navigation menu.
2. Tap "Send Support Request".
3. Provide a description of your problem and tap "Send".

**Note:** When sending a generic support request, no screenshots are generated and included.

### 17.8.2 Shake

If you want to enable/disable the option to trigger a support request by shaking your device, proceed as follows:

1. Open "Settings" via the navigation menu.
2. Enable/disable "Shake" in the "Support" section.

### 17.8.3 Screenshot (iOS Only)

If you want to enable/disable the option to trigger a support request by taking a screenshot, proceed as follows:

1. Open "Settings" via the navigation menu.
2. Enable/disable "Screenshot" in the "Support" section.

## 17.9 Info

In the "Info" section you find information about the repository, version and build number, licenses of open source software and you can rate the Fabasphere App.

### 17.9.1 Repository Info

Presents information on regarding connected repositories (backends).

### 17.9.2 About

The version and build number of the currently installed version is available in the "About" dialog.

### 17.9.3 Open Source Licenses

Lists the licenses of open source software used to build the Fabasphere App.

### 17.9.4 Rate App

We would appreciate if you took the time to rate and provide feedback for the Fabasphere App for iOS and Android in the respective store.

## 18 Various Functions and Actions

The following chapters describe various functions and actions.

Depending on the server configuration settings some of the following functions and actions may be disabled or replaced by server-provided functions.

### 18.1 Creating Teamrooms

Teamrooms can be created directly e.g. in your personal folder or within a folder. In contrast to the web client, a Teamroom cannot be created within another Teamroom using the app. In order to create a new Teamroom in the app, proceed as follows:

1. Navigate into your personal folder or selected folder.
2. Tap "Add" in the action panel.
3. Select the "Teamroom" action in the pop-up "Folders".
4. Enter the name of your Teamroom into the "Name" textbox and tap the "Create" button.

### 18.2 Invite Contacts

In order to invite Contacts to your Teamroom, proceed as follows:

1. Navigate into the desired Teamroom.
2. Tap "Send Invitation" in the action panel.
3. You can add users stored in the contact list on your device. In order to do so, you have to allow access to contacts for the Fabasphere App.
4. Enter the name of the user you want to send an invitation to and tap the icon of the user.  
Note: On iOS, it is possible to select directly from contacts by tapping the "+" icon.
5. Tap the "Send" button.

### 18.3 Creating Folders

In order to create a folder, proceed as follows:

1. Navigate into your personal folder or desired Teamroom.
2. Tap "Add" in the action panel.
3. Select the "Folder" action.
4. Enter the name of your folder and tap the "Create" button.

**Note:** You can also create folders within folders.

## 18.4 Uploading Files

In order to upload a file from your mobile device, proceed as follows:

1. Navigate into the desired folder.
2. Tap "Add" in the action panel.
3. Select the "Browse" action.
4. Select the desired document from your device or navigate to it using the files app of your device.

In order to upload a photo or video from your mobile device, proceed as follows:

1. Navigate into the desired folder.
2. Tap "Add" in the action panel.
3. On Android select the "Take Photo" action or the "Record Video" action. On iOS select the "Use Camera" action or the "Photos and Videos" action.
4. Take your photo or record a video in a 3rd party app.

In order to scan and upload a document from your mobile device, proceed as follows:

1. Navigate into the desired folder.
2. Tap "Add" in the action panel.
3. Select the "Scan Document" action.
4. Scan the document by taking one or more photos of the document.

It is possible to paste HTML, plain text, and URLs into a folder or Teamroom from the pasteboard. Additionally, only on iOS, you can paste text in RTF format, pictures, and documents. In order to do so, proceed as follows:

1. Locate the relevant object on your device (e.g. a web page in Safari, a photo in the Photos app, a document in the Files app, etc.).
2. Copy the desired document, text, picture, or URL.
3. Navigate into the desired folder or Teamroom in the Fabasphere App.
4. Tap "Add" in the action panel.
5. Select the option "Paste" on iOS or the menu item "From Clipboard" on Android.
6. Enter the name of the document and tap "Paste".

## 18.5 Copying a Link

With the Fabasphere App, it is possible to copy a hyper link (URL) of an object to the clipboard or pasteboard. Proceed as follows:

1. Navigate to the object to which you want to receive a link.
2. Tap the "Copy Link" action.

## 18.6 Sending a Link

Opens your e-mail app with a hyperlink to the object in the body of the e-mail. In order to access the object via the link, the recipients must have a Fabasoft account as well read access on the object. To send a link to a Teamroom, folder, or document, proceed as follows:

1. Navigate to the desired Teamroom, folder, or document.

2. Tap the "Send Link" action.
3. Complete and send the e-mail using your preferred e-mail app.

## 18.7 Sending a File

Instead of sending a link to a document, you can send the document as a file attachment via e-mail. This action is only available for documents.

1. Navigate to the desired document.
2. Tap the "Send File" action.
3. Complete and send the e-mail using your preferred e-mail app.

## 18.8 Deleting an Object

You can delete or move an object to the wastebasket by the "Delete" action. To delete an object, proceed as follows:

1. Navigate to the desired folder or document.
2. Tap "Delete" from the action panel.
3. Confirm the deletion of the object.

or

1. In the list view, swipe left on the desired object and tap the "Delete" action.
2. Confirm the deletion of the object.

## 18.9 Renaming an Object

In order to rename a folder or file, proceed as follows:

1. In the list view, swipe left on the desired object and tap the "Properties" action, or view the object that you want to rename and tap the "Properties" action.

**Note:** Only available with corresponding configuration settings.

## 18.10 Info

In order to see the information about a Teamroom, folder, or document, proceed as follows:

1. Navigate to the desired Teamroom, folder, or document.
2. Tap the "Info" button on the action panel.

**Note:** Only available with corresponding configuration settings.

## 18.11 Properties

In order to see the properties about a Teamroom, folder, or document, proceed as follows:

1. Navigate to the desired Teamroom, folder, or document.
2. Tap the "Properties" button in the action panel.
3. You can tap the "Edit" button to edit the object before proceeding.
4. Tap "Next" to save your changes and close the dialog.

**Note:** Only available with corresponding configuration settings.

## 19 Useful Functions in the Web Client

For some functions that are useful or important for the Fabasphere App, you will need the Fabasphere web client.

### 19.1 Synchronization Settings

To check the synchronization state of the Fabasphere App, proceed as follows:

1. Open "account menu (your username)" > "Advanced Settings" > "Synchronization".
2. In the "Synchronized Devices" list, you find the devices on which you have used the Fabasphere App.
3. Tap "Open Details" from the line menu to display information about:
  - The time of the last access.
  - The IP address of the last access.
  - The current state (online/offline).
  - The synchronized objects on the device.

#### 19.1.1 Deleting Data from Device

For various reasons (e.g. you have lost your device), you may want to delete the data from your device.

1. Open "account menu (your username)" > "Advanced Settings" > "Synchronization".
2. Select the device in the "Synchronized Devices" list and select "Open Details" from the line menu.
3. Tap the "Delete Data from Device" button.

The Fabasphere App frequently checks whether the data on the device is to be deleted. If this is the case, the data stored on the device is deleted and the user is logged out.

**Note:** The Fabasphere App must be started to delete the data. The app can only delete data in its scope. If you have additional Fabasphere services registered, you need to call "Delete Data from Device" for all Fabasphere services separately. Your organization can use mobile device management applications to handle lost devices more comprehensively.

#### 19.1.2 Removing Synchronization Settings

For some reason (e.g. you do not use a device anymore), you may want to remove only the synchronization settings.

1. Open "account menu (your username)" > "Advanced Settings" > "Synchronization".
2. Select the device in the "Synchronized Devices" list and select "Open Details" from the line menu.
3. Tap the "Remove Synchronization Settings" button.

**Note:** When removing the synchronization settings, the data on the device is not deleted but the device is removed from the "Synchronized Devices" list. Moreover, the Fabasphere App will not synchronize the stored objects anymore, and the "Synchronization" list is emptied.

## 19.2 Permanent Login and Device Binding

When using the option “Stay logged in” on the login page of the Fabasphere, the user is logged in on a permanent basis, i.e. the user session will be renewed automatically until the user explicitly logs out.

In this scenario, a binding of the device to a particular user, based on public/private key pairs, is created during the login process.

In order to renew the user session, the client has to send a token (a JWT, signed with the private key) and the server checks the validity of the token with the help of the public key. The session is only renewed when the signed token can be checked successfully by the server.

**Note:** By default, the token for the user session of the Fabasphere is bound to the IP address of the client. Especially mobile devices have the requirement to support changing IP addresses (e.g. by changing from Wi-Fi to mobile data and vice versa). However, this is no longer the case when you create a user session based on the device binding. Hence, if you must support changing IP addresses, use the permanent Login feature of the Fabasphere App.

### 19.2.1 Devices With Permanent Login

For various reasons (e.g. you have lost your device), you may want to know on which devices you are permanently logged in:

1. Open “account menu (your username)” > “Advanced Settings” > “Devices”.
2. In the “Permanently Logged in Devices” list, you find all devices with a valid device binding.
3. In the “Recently Logged out Devices” list, you find the devices on which you used to be logged in.

**Note:** If you find unknown devices in the lists, you are strongly advised to change your login credentials (e.g. password).

### 19.2.2 Logout on Devices

For various reasons (e.g. you have lost your device), you may want to log out from devices on which you are permanently logged in:

1. Open “account menu (your username)” > “Advanced Settings” > “Devices”.
2. In the “Permanently Logged in Devices” list, select the devices you want to log out from.
3. Tap the “Logout on Selected Devices” button or “Logout on All Devices” button.

**Note:** If you find unknown devices in the lists, you are strongly advised to change your login credentials (e.g. password)

## 19.3 Access for Applications

When connecting your Fabasphere calendar or contacts to apps (like the apps Calendar or Contacts) on your device, or when using the worklist on your Apple Watch, a so-called “Password for Applications” is generated automatically for you by the Fabasphere App (iOS only). This is because form-based authentication (i.e. entering username, password, and

mobile pin) is either not applicable when using web services, or in the case of a wearable such as the Apple Watch, it is cumbersome and un-intuitive.

### 19.3.1 Changing Validity Period of a Password for Applications

Passwords for applications can have a validity period. Therefore, the password is only valid for a particular time span. Before the validity of a password expires, you have to renew it by logging in into the web client (using your default login method and two-factor-authentication). You also receive an e-mail shortly notification before your password expires.

For various reasons, you may want to edit the validity period for passwords created by the Fabasphere App:

1. Open "account menu (your username)" > "Advanced Settings" > "Access for Applications".
2. In the "Passwords for Applications" list, you find all application passwords that you have created.
3. Select the password that you want to change and select "Edit" from the line menu.
4. Enter a new value for the "Validity Period".
5. You can also change the "Description" to a text that will help you to identify this password.

### 19.3.2 Revoking a Password for Applications

For various reasons (e.g. you have lost your device or you do not need the application access anymore), you may want to revoke passwords created by the Fabasphere App:

1. Open "account menu (your username)" > "Advanced Settings" > "Access for Applications".
2. In the "Passwords for Applications" list, you find all application passwords that you have created.
3. Select the password that you want to delete and select "Revoke" from the line menu.

## 20 Security Features

The following security features are used in Android and iOS:

- In addition to the device pin, an app passcode lock is offered (incl. biometric methods). See chapter 3.1 "App Passcode".
- HTTPS with certificate validation is required. The used certificates must be trusted in the system.
- The download and synchronization mechanism excludes certain objects:
  - `COODESK@1.1:IsSynchronizableOnWorkplace`: If this method returns false for an object, its contents are not synchronized to the device, but they may be downloaded and cached.
  - `COODESK@1.1:IsReadableOnWorkplace`: If this method returns false for an object, its contents are not synchronized to the device and the contents cannot leave the temporary app storage, therefor the contents cannot be opened in any third-party app. Even if the method returns false, contents may be downloaded and immediately removed after usage (e.g. document preview).

**Note:** For example the method `CODESK@1.1:IsReadableOnWorkplace` returns false for objects contained in Teamrooms where the setting "Restrict the Downloading or Opening of Content on the Device" has been configured.

## 20.1 Android

The following additional security features are used in Android:

- App data (databases and files) is stored in the "internal storage" (sandboxed). No third-party app can access the files.
- Log files are stored in the "internal storage" (sandboxed). No third-party app can access the files. Log files can be attached to support requests.
- File-based encryption is activated by default, i.e. all data is stored in encrypted form (see <https://source.android.com/security/encryption/file-based>).
- FLAG\_SECURE is used, which will prevent taking screenshots of the app or the preview view in the Task Manager (see [https://developer.android.com/reference/android/view/WindowManager.LayoutParams#FLAG\\_SECURE](https://developer.android.com/reference/android/view/WindowManager.LayoutParams#FLAG_SECURE)).
- App data is excluded from all Google Drive backups (see <https://developer.android.com/guide/topics/manifest/application-element#allowbackup>, <https://developer.android.com/guide/topics/manifest/application-element#fullBackupContent> and <https://developer.android.com/guide/topics/manifest/application-element#dataExtractionRules>).
- Root detection attempts to detect rooted devices or devices from untrusted manufacturers and to prevent the execution of the app.

## 20.2 iOS

The following additional security features are used in iOS:

- App data (databases and files) is stored in the app group container (sandboxed). Only apps/extensions in the same group can access them.
- Log files are stored in the app group container (sandboxed). Only apps/extensions in the same group can access them. Log files can be attached to support requests.
- Temporary app data is stored in the "tmp" directory of the app/extension (sandboxed). No third-party app can access the files.
- Data is encrypted using the iOS Data Protection feature (see <https://support.apple.com/en-gb/guide/security/secf6276da8a/web>). The following protection modes are used:
  - The mode `NSFileProtectionComplete` is used for everything except the data mentioned below.
  - The mode `NSFileProtectionCompleteUnlessOpen` is used for the databases, selected temporary files and log files.

- The mode `NSFileProtectionCompleteUntilFirstUserAuthentication` is used for files that are uploaded. This is required due to background uploading.
- When the app is switched to the background, the preview image of the app in the task manager is made unrecognizable with a blur effect.
- App data is excluded from all iCloud backups (see <https://developer.apple.com/documentation/foundation/nsurlisexcludedfrombackupkey>).
- Jailbreak detection attempt to detect jailbroken (rooted) devices and prevent the app from running.

## 21 Export Control Classification Number (ECCN)

According to the policy guidance for “Encryption and Export Administration Regulations (EAR)” published by The Bureau of Industry and Security (BIS) of United States Department of Commerce (see <https://www.bis.doc.gov/index.php/policy-guidance/encryption>) the Export Control Classification Number (ECCN) for the Fabasphere App fall under **5D992.c** (Information Security – Software – Mass Market encryption item).

Fabasoft provides the ECCN in order to facilitate export operations. The exporter is responsible for complying with the Export Administration Regulations (EAR). Therefore, you should consult the Export Administration Regulations (EAR) or your export counsel to determine the appropriate license type and eligible countries for export purposes.