



OX App Suite

Synchronizing Appointments and Contacts with CalDAV and CardDAV

OX App Suite: Synchronizing Appointments and Contacts with CalDAV and CardDAV

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1 About this Documentation

The following information will help you make better use of the documentation.

- [Who is the target group for this documentation?](#)
- [Which contents are included in the documentation?](#)
- [Further Help](#)

Who is the target group for this documentation?

This documentation is addressed to users who want to access appointments and contacts on the OX App Suite Server with Mac OS X, iOS mobile devices or Mozilla Thunderbird. To do so, the CalDAV and CardDAV interfaces in Mac OS X, iOS or Mozilla Thunderbird have to be correctly configured.

Which contents are included in the documentation?

This documentation includes the following information:

- In [Synchronizing appointments with CalDAV](#) you will learn how to configure the CalDAV interface for the usage with the OX App Suite .
- In [Synchronizing Contacts with CardDAV](#) you will learn how to set up the CardDAV interface for the usage with the OX App Suite .

This documentation describes working with a typical OX App Suite installation and configuration. The installed version and the configuration of your groupware might differ from what is described here.

Further Help

A comprehensive OX App Suite documentation can be found in the OX App Suite user guide.

2 Synchronizing appointments with CalDAV

Learn how to configure your client software's frequently used calendar application for usage with the OX App Suite :

- [Mac OS X iCal / Calendar](#)
- [iOS Calendar on iPhones, iPods or iPads](#)
- [Mozilla Thunderbird with Lightning Add-On](#)

Note: In order to use this function, CalDAV has to be available on the OX App Suite Server. If you are unsure, contact your administrator or hoster.

2.1 Mac OS X iCal / Calendar

How to configure the Mac OS X iCal / Calendar application:

1. In the *iCal / Calendar* application click on the menu item **Preferences**. Click the **Accounts** icon.
2. In the *Accounts* window click the + icon on the bottom left side.
3. In the *Add an account* window enter the required data:
 - Account type **CalDAV**
 - Your username and password for the OX App Suite Server
 - The OX App Suite Server address. Depending on the Mac OS X version use different formats for the server address:
 - For Mac OS X 10.6 Snow Leopard, use the following format: *dav.servername*
 - For Mac OS X 10.7 Lion and version 10.8 Mountain Lion, use this format: *dav.servername/*Whereas *servername* is a server name like *myserver.net*.
4. Click on **Create** and then on **Continue**.

Result: The account is set up.

2.1.1 Debugging Mac OS X iCal

In order to find errors you can access debugging and logging options. Please note the following:

- Some of these options may increase the size of your system log files.
- Some of these options may log sensitive data like passwords.
- Each setting change remains active until you reset the setting. When disabling the Debug menu the settings are not reset to the default settings.
- All settings are case sensitive.

Depending on the Mac OS X version different procedures apply. In Mac OS X 10.8, there is no Debug menu. In [Mac OS X 10.7](#) use the Debug menu. In [Mac OS X 10.6](#) activate the CalDAV HTTP logging.

How to use the iCal application's debug menu in Mac OS X 10.7:

1. Use **Applications > Utilities > Terminal** to open a terminal.
2. In order to enabling the Debug menu in iCal, enter the following command:

```
defaults write com.apple.iCal IncludeDebugMenu 1
```

3. The menu item **Debug** will be displayed in the *iCal* application. Use the menu items as required.
4. In order to disable the Debug menu in iCal, enter the following command in a terminal:

```
defaults write com.apple.iCal IncludeDebugMenu 0
```

How to use the debugging and and logging options in Mac OS X 10.6:

1. Use **Applications > Utilities > Terminal** to open a terminal.
2. In order to enable the CalDAV HTTP logging, enter the following command:

```
defaults write com.apple.iCal LogHTTPActivity yes
```

All CalDAV activities are saved in the system log file **/var/log/system.log**.

In order to disable the CalDAV HTTP logging, enter the following command:

```
defaults write com.apple.iCal LogHTTPActivity no
```


2.2 iOS Calendar on iPhones, iPods or iPads

How to configure the iOS Calendar application:

1. Select *Settings*. Select **Mail, Contacts, Calendars**.
2. Select *Add Account*. Select **Other**. Select *Add CalDAV Account*.
3. Enter the required data on the *CalDAV* page:
 - The OX App Suite Server address. Use the following format: *dav.servername*
 - Whereas *servername* is a server name like *myserver.net*.
 - Your username and password for the OX App Suite Server
 - A description
4. Click on **Next**.

Result: The account will be set up.

2.3 Mozilla Thunderbird with Lightning Add-On


How to configure CalDAV in Thunderbird Lightning:

Prior to starting the configuration, make sure the following conditions are met:

Thunderbird has network access.

The OX App Suite Server is accessible.

The current Lightning add-on is installed in Thunderbird. This add-on contains an application for appointments and tasks.

1. Click on a calendar folder in the OX App Suite folder tree. Click the **Folder-specific actions** icon  next to the folder name. Click on **Properties**. Note the **CalDAV URL** entry or copy it to the clipboard.
2. In the Thunderbird menu bar click on **Appointments and Tasks > Calendar**.
3. In the menu bar click on **File > New > Calendar**. The *Create new calendar* window opens.
4. Select **In the network**. Click on **Next**.
5. Select the format **CalDAV**. As **Location** use the value requested in step 2. In order to have access to the appointments without Internet connection, activate **Cache**. Click on **Next**.
6. In **Name** enter a name for the calendar folder. You can select a color for the calendar. Set whether appointment reminders should be displayed. Select an E-Mail address. Click on **Next**.
7. If you are asked for credentials, use the username and the password for the die OX App Suite .

Result: After a short while the calendar folder will be synchronized.

Note: Thunderbird can only synchronize single calendar folders. In order to synchronize multiple calendar folders repeat the steps for each calendar folder.

2.3.1 Debugging Thunderbird

In order to find errors you can view the contents of the Mozilla Thunderbird error console.

How to open the Thunderbird error console:

In the menu click on **Tools > Error Console**.

How to increase the log level of the Lightning add-on:

1. In the menu click on **Tools > Options > Advanced > General**.
2. Click on **Config Editor**.
3. Set the following values to *true* by double-clicking the entries:

calendar.debug.log

calendar.debug.log.verbose

2.4 Known Limitations of the CalDAV Interface

There are the following limitations for the OX App Suite Server CalDAV interface.

Reminder limitations

The following appointment reminders are not supported. If you set one of those reminders on your client, the server removes this reminder from the appointment or the recurrence.

- reminders after the appointment start
- multiple reminders for an appointment
- reminders that are not of the 'DISPLAY' type

Limitations for properties

The following properties are not supported.

- the property "URL" for iCal resources
- file attachments (property "ATTACH")

Limitations for private appointments

The following properties are not supported.

- Appointments marked as "private" are exported by the server with the property "CLASS" set to "PRIVATE".
- The properties "CONFIDENTIAL" and "PRIVATE" are treated equally by the server and are imported as "PRIVATE".
- **Warning:** The server does not support private appointments with multiple participants. If you mark an appointment with multiple participants as **Private appointment** on your client, the server removes the participants without informing you.

Limitations for tasks

There are the following limitations for tasks.

- Only simple tasks without participants or recurrences are supported.
- Only the following properties are supported: "DTSTART", "DUE", "CATEGORIES", "SUMMARY", "PRIORITY", "DESCRIPTION", "VALARM", "STATUS", "PERCENT-COMPLETE", "COMPLETED".

3 Synchronizing Contacts with CardDAV

Learn how to configure your client software's frequently used address book application for usage with the OX App Suite :

- [Mac OS X Address Book / Contacts](#)
- [iOS Contacts](#)

Note: In order to use this function, CardDAV has to be available on the OX App Suite Server. If you are unsure, contact your administrator or hoster.

3.1 Mac OS X Address Book / Contacts

How to configure the Mac OS X Address book / Contacts application:

1. In the *Address Book / Contacts* application click on **Preferences** in the menu. Click the **Accounts** icon.
2. In the *Accounts* window click the + icon on the bottom left side.
3. In the *Add account* window enter the required data:
 - Account type **CardDAV**
 - Your username for the OX App Suite Server.
If you use Mac OS X 10.6 Snow Leopard and your username contains the "@" character, replace "@" with "*".
 - Your password for the OX App Suite Server
 - The OX App Suite Server address. Depending on the Mac OS X version use different formats for the server address:
 - For Mac OS X 10.6 Snow Leopard, use the following format:
 - if you access your server with https: *dav.servername:443*
 - if you access your server with http:: *dav.servername:80*
 - For Mac OS X 10.7 Lion and version 10.8 Mountain Lion, use this format: *dav.servername/*
Whereas *servername* is a server name like *myserver.net*.
4. Click on **Create**. Click on **Next**.

Result: The account will be set up.

3.1.1 Debugging the Mac OS X Address Book

In order to find errors you can access debugging and logging options. Please note the following:

- Some of these options may increase the size of your system log files.
- Some of these options may log sensitive data like passwords.
- Each setting change remains active until you reset the setting. When disabling the Debug menu the settings are not reset to the default settings.
- All settings are case sensitive.

In Mac OS X 10.8. there is no Debug menu.

How to use the debug menu of the address book application:

1. Use **Applications > Utilities > Terminal** to open a terminal.
2. In order to enable the Debug menu in Address book, enter the following command:

```
defaults write com.apple.AddressBook ABShowDebugMenu -bool true
```
3. The menu item **Debug** will be displayed in the *Address book* application. Use the menu items as required.
4. In order to disable the Debug menu in Address book, enter the following command in a terminal:

```
defaults write com.apple.AddressBook ABShowDebugMenu -bool false
```

3.2 iOS Contacts

How to configure the iOS contacts:

1. Select *Settings*. Select **Mail, Contacts, Calendar**.
2. Select *Add Account*. Select **Other**. Select *Add CardDAV Account*.
3. On the *CardDAV* page enter the required data:
 - The OX App Suite Server address. Use the following format: *dav.servername*
 - Whereas *servername* is a server name like *myserver.net*.
 - Your username and password for the OX App Suite Server
 - A description
4. Click on **Next**.

Result: The account will be set up.

3.3 Known Limitations of the CardDAV Interface

There are the following limitations for the CardDAV interface of the OX App Suite Server:

- File attachments (property "ATTACH") are not supported.