

Installation manual for the MUL Upload Client for Apple® macOS®

Version: 2024-Q1

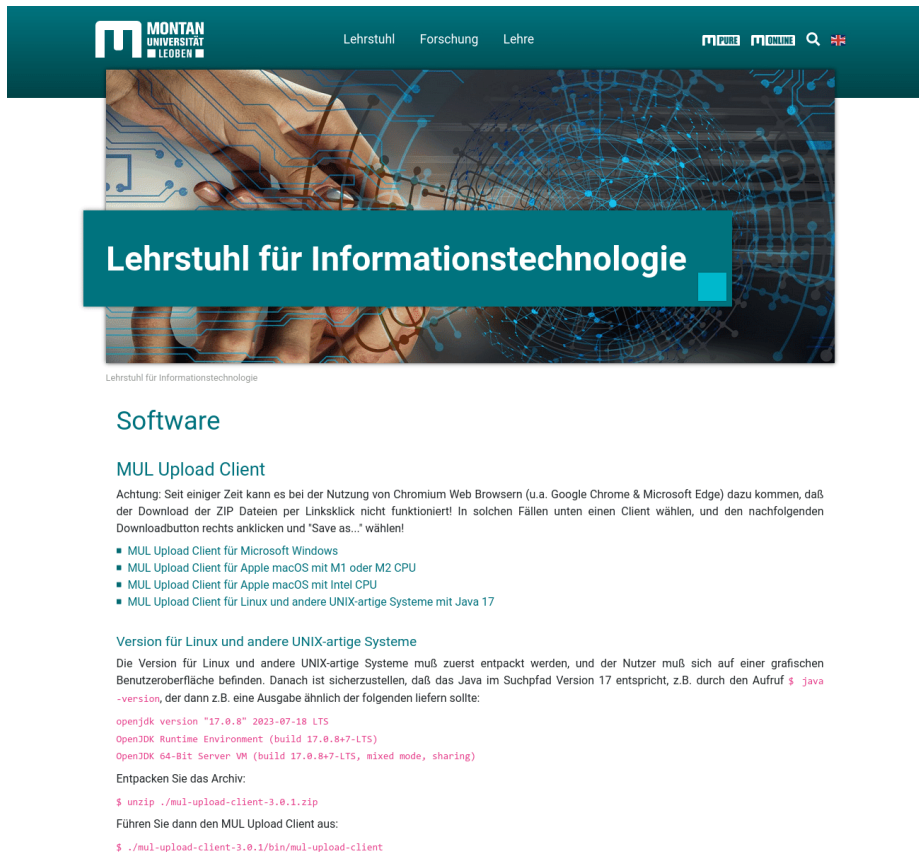
0. Premises

As a user of Apple macOS you need at least macOS 12 Monterey or newer for this lecture. Older versions have not been tested and will remain unsupported.

On top of that, you also need a working internet connection.

1. Installation of the MUL Upload Client

Open your web browser and go to the following address: <https://infotech.unileoben.ac.at/apps/>. Download the correct version for your Mac:



The screenshot shows the website for the Chair of Information Technology at Montan University of Leoben. The page is titled "Lehrstuhl für Informationstechnologie" and features a "Software" section. Under "Software", there is a sub-section for "MUL Upload Client". A warning message states: "Achtung: Seit einiger Zeit kann es bei der Nutzung von Chromium Web Browsern (u.a. Google Chrome & Microsoft Edge) dazu kommen, daß der Download der ZIP Dateien per Linksklick nicht funktioniert! In solchen Fällen unten einen Client wählen, und den nachfolgenden Downloadbutton rechts anklicken und 'Save as...' wählen!". Below this, there is a list of available clients: "MUL Upload Client für Microsoft Windows", "MUL Upload Client für Apple macOS mit M1 oder M2 CPU", "MUL Upload Client für Apple macOS mit Intel CPU", and "MUL Upload Client für Linux und andere UNIX-artige Systeme mit Java 17". A section titled "Version für Linux und andere UNIX-artige Systeme" provides instructions for Linux users, including a warning about Java version 17 and terminal commands to check the Java version and unpack the client.

Lehrstuhl für Informationstechnologie

Software

MUL Upload Client

Achtung: Seit einiger Zeit kann es bei der Nutzung von Chromium Web Browsern (u.a. Google Chrome & Microsoft Edge) dazu kommen, daß der Download der ZIP Dateien per Linksklick nicht funktioniert! In solchen Fällen unten einen Client wählen, und den nachfolgenden Downloadbutton rechts anklicken und "Save as..." wählen!

- MUL Upload Client für Microsoft Windows
- MUL Upload Client für Apple macOS mit M1 oder M2 CPU
- MUL Upload Client für Apple macOS mit Intel CPU
- MUL Upload Client für Linux und andere UNIX-artige Systeme mit Java 17

Version für Linux und andere UNIX-artige Systeme

Die Version für Linux und andere UNIX-artige Systeme muß zuerst entpackt werden, und der Nutzer muß sich auf einer grafischen Benutzeroberfläche befinden. Danach ist sicherzustellen, daß das Java im Suchpfad Version 17 entspricht, z.B. durch den Aufruf `$ java -version`, der dann z.B. eine Ausgabe ähnlich der folgenden liefern sollte:

```
openjdk version "17.0.8" 2023-07-18 LTS
OpenJDK Runtime Environment (build 17.0.8+7-LTS)
OpenJDK 64-Bit Server VM (build 17.0.8+7-LTS, mixed mode, sharing)
```

Entpacken Sie das Archiv:

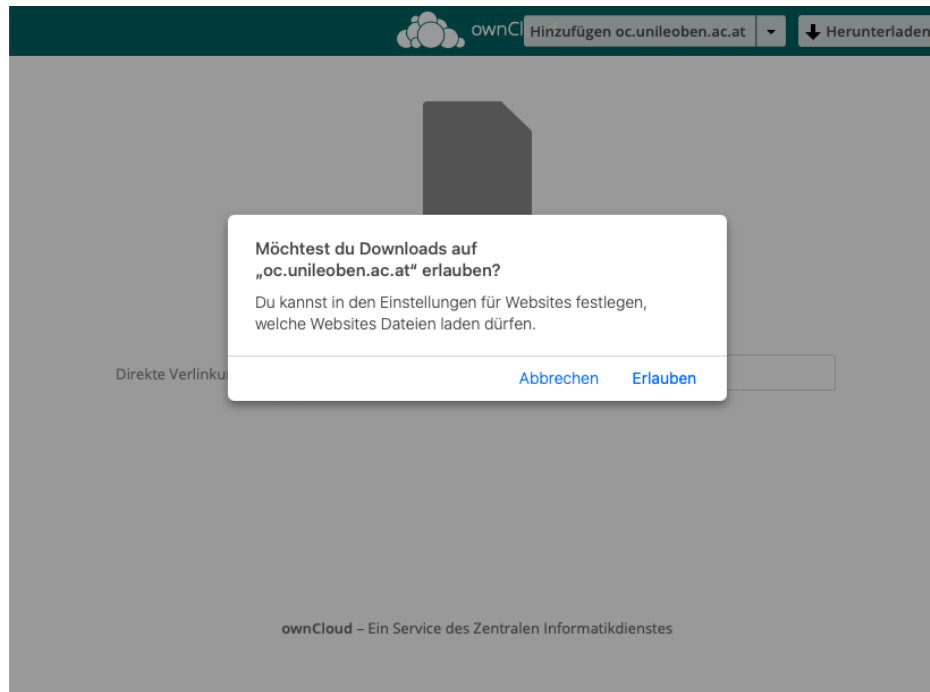
```
$ unzip ./mul-upload-client-3.0.1.zip
```

Führen Sie dann den MUL Upload Client aus:

```
$ ./mul-upload-client-3.0.1/bin/mul-upload-client
```

Img.0: Download of the MUL Upload Client

In case your browser asks you whether to allow downloads from infotech.unileoben.ac.at, do allow them:



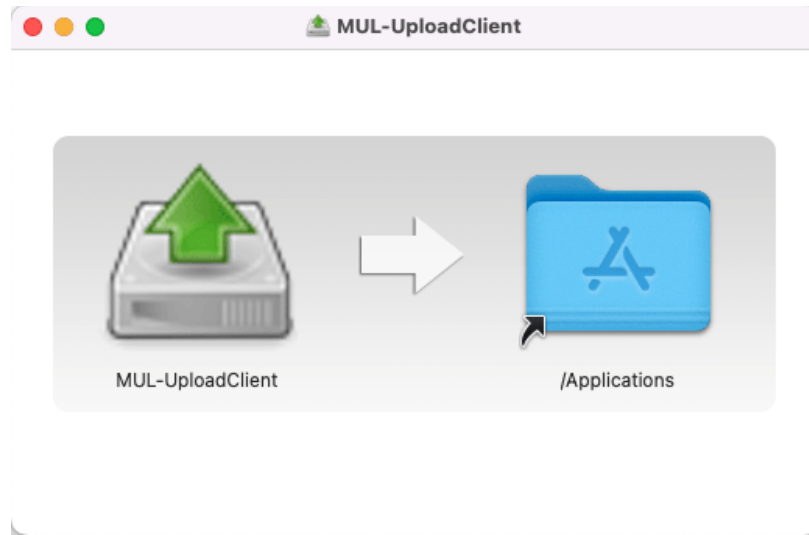
Img.1: Allow download

After downloading, launch the install program from your download area. Make sure the suffix **.dmg.download** has disappeared and replaced with just **.dmg**! Only then will the download have completed.



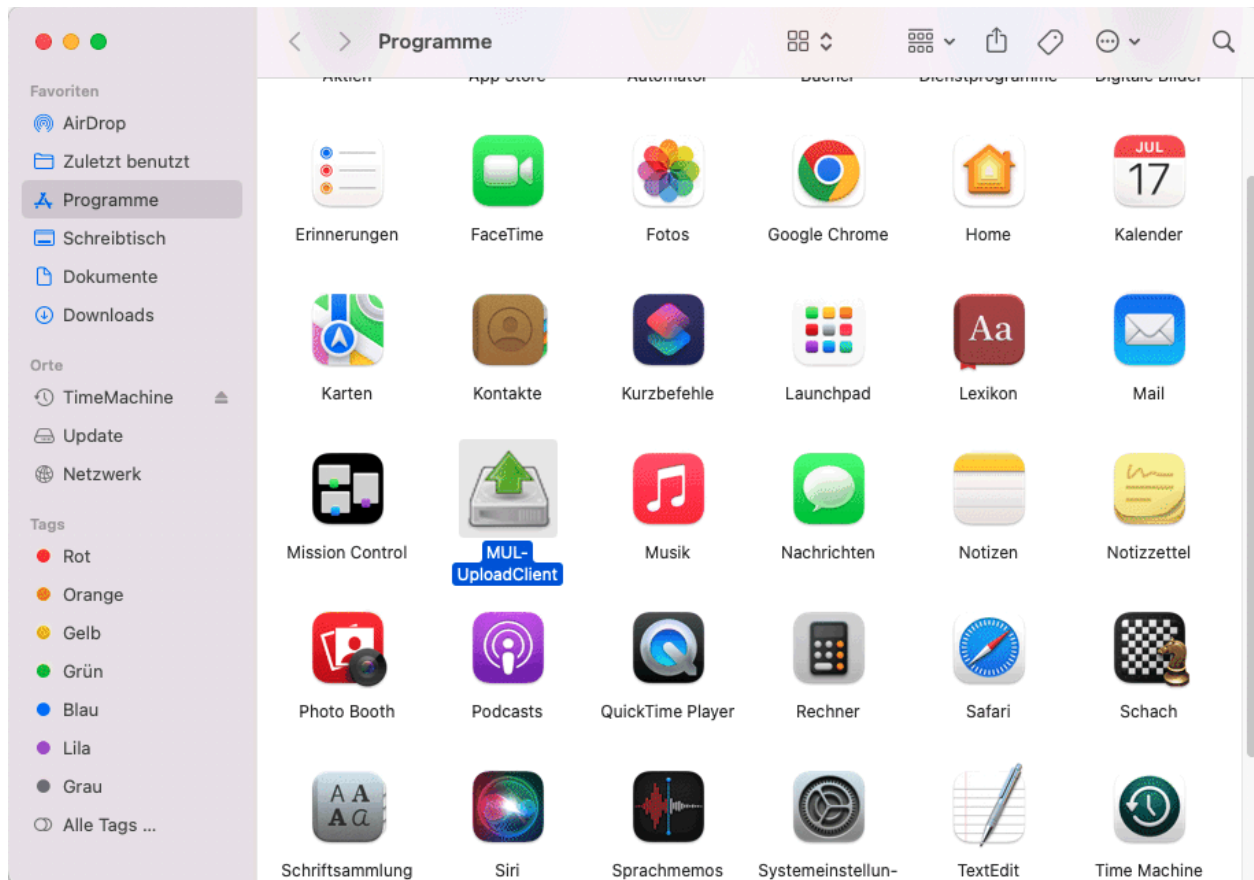
Img.2: Launch the installation program

Swipe the MUL Upload Client into the Applications Folder to install the program, then close the installation dialog:



Img.3: Installation

Now look for the MUL Upload Client in Apple Finder, **but absolutely do not yet launch it!** [0]



Img.4: Look for the MUL Upload Client in Apple Finder

If you were to launch the program like normal, all that would happen would be the following error and the program wouldn't open:



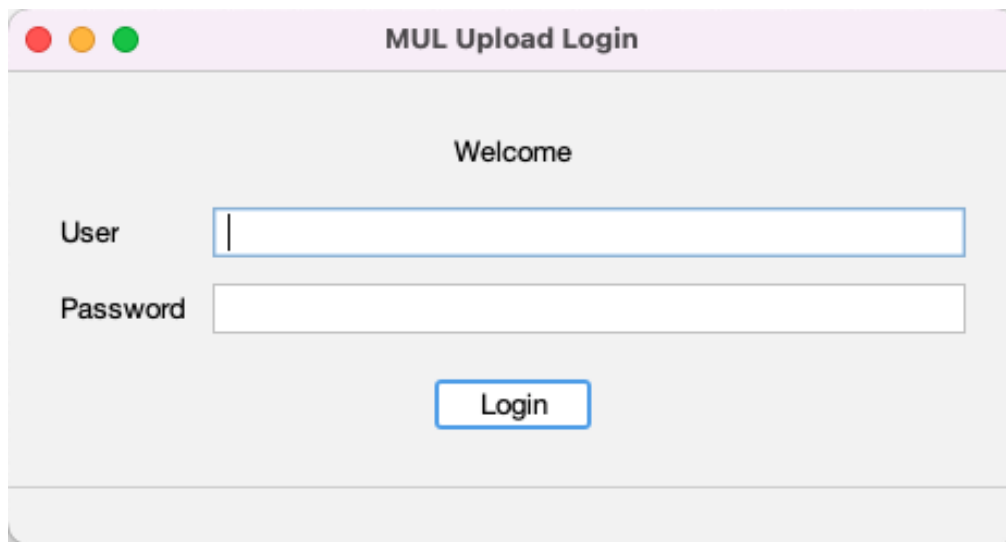
Img.5: MUL Upoad Client error at launch

Instead, press and hold the Ctrl key and click on MUL Upload Client. Pick "Open" in the context menu that opens by doing so. You will now have the option of launching it by clicking "Open" once more in the following dialog:



Img.6: Security exception for the MUL Upload Client

Apple macOS will remember that choice. From now on, you'll be able to launch the MUL Upload Client normally from Apple Launchpad or Finder, after which you'll see the following login screen:



Img.7: MUL Upload Client login screen

You can now log in on this screen according to the instructions you will receive from your lecturer.

[0] Open a Mac app from an unidentified developer,
<https://support.apple.com/en-gb/guide/mac-help/mh40616/mac>