

1. **Download** www.jRep.de/jRepE-Mac.zip & **unzip it by double-clicking** the file in the **Downloads** folder (in the Finder).
2. **Double-click OpenJava-17-M.pkg** and **install it** by clicking Continue (for old Macs with Intel use OpenJava-17-Intel.pkg).
3. Open the **Terminal** (click Apps and type **ter**).
4. **Mark the following command** while holding down your mouse button, **copy it to the clipboard** with command+C), **paste it into the Terminal** with command+V and execute it by pressing **Enter** ↵ :

```
jpackage --input downloads/jrep-mac/programdata/ --dest downloads/jrep-mac/ --name "jRep 6.3" --main-jar jRep.jar --type app-image --icon downloads/jrep-mac/programdata/jrep.icns
```

Please ensure that this command is copied into the terminal as a single line; you may want to paste it into another program first. Now wait a moment until the % symbol reappears at the end of the terminal output.
5. Then **drag jRep 6.3.app onto the Applications icon** while holding down your mouse button, to install it.
6. Switch to the **Applications directory** in the Finder and **double-click jRep 6.3.app to launch it**.
7. **Right-click (or two-finger click) the jRep icon in the Dock** (at the bottom of the screen), and select **Options - Keep in Dock** from the **context menu**.

And here is the very detailed guide (the gray text sections contain background information for those interested):

jRep is a Java program (hence the lowercase j) and comes bundled with its own Java environment (Java Runtime: JRE).

To run jRep on Macs equipped with M-series processors, there are/were two options:

1. By utilizing Apple's supplementary software, Rosetta, the bundled Java environment - originally developed for earlier Intel processors - is translated (emulated) in real time during operation. This works seamlessly, though it does require some processing resources; however, the performance overhead is negligible.

However, Apple has announced that, starting with the upcoming macOS version 27, Rosetta will no longer be included. In that case, the following will be required:

2. There is now also a freely available version of Java (OpenJava-17-M) that runs natively on M-series processors 😊 This makes it quite simple to create an executable jRep program that includes this specific Java version.

As a result, jRep actually runs twice as fast as the emulated version !

However, I discovered that while this version works on many Macs equipped with M-series processors, it does not work on every such Mac - since Apple now offers a wide variety of processor variants (M1, M2, M3, M4, M5 - and for each of these, in addition to the 'standard' model, there are also the Pro and Max versions; that makes for 5 x 3 possible combinations...)

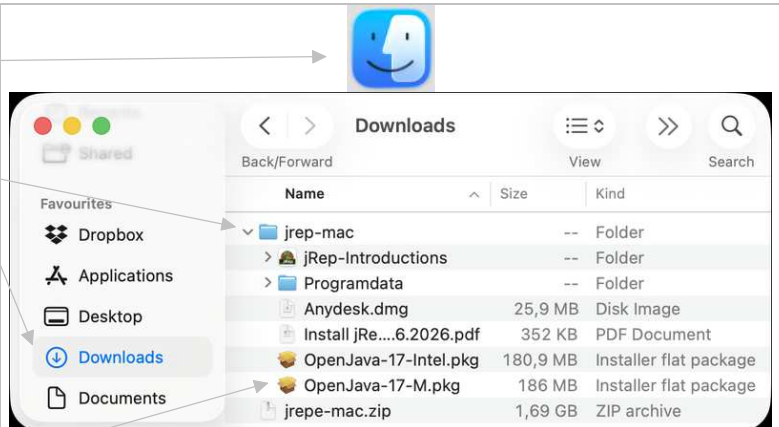
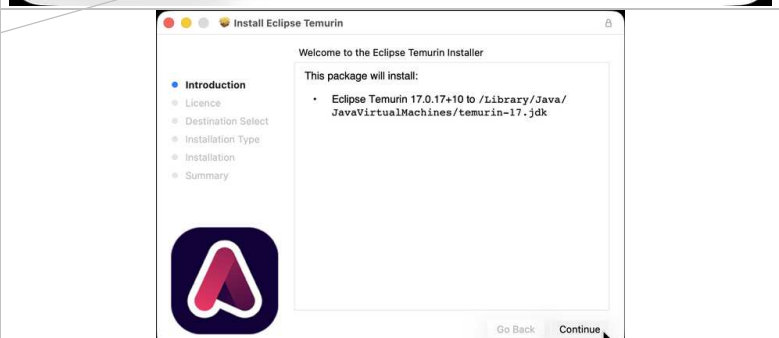
And the A18 Pro chip found in the new MacBook Neo (originally developed for the iPhone) belongs to this group as well. ;-)

Since I cannot purchase every single model - nor create a separate jRep version for each one -

I have outlined below how you can build your own custom jRep version specifically for your Mac with an M-series processor: This also has the advantage that jRep no longer needs to be laboriously enabled under Security & Privacy.

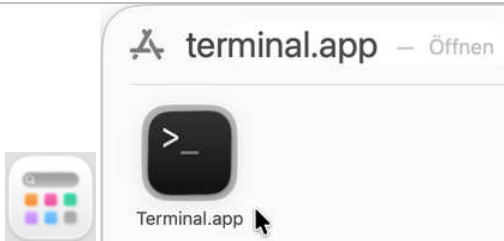
To do this, download the following file, which contains everything you need:

www.jRep.de/jRepE-Mac.zip (simply click this link to do so ;-)

① After downloading, navigate to the Downloads folder in the Finder and - if it hasn't happened automatically - unzip the file by double-clicking it. If the content is not visible, click on the >. The archive contains a folder for the introductions, one containing the program files, Anydesk for remote support, this guide and files for installing Java (for both M-series and Intel processors). To clean up, we can drag jrepe-mac.zip to the Bin.	
② Next, we install the freely available Java Elipse Temurin by double-clicking on OpenJava-17-M.pkg. To do this, click Continue (2x), accept the license, click Install and enter your macOS password. Finally, click Close. You can allow access to your Downloads folder and then move the installation file to the Bin. If it is an older Mac with an Intel processor, we double-click OpenJava17-Intel.pkg above. If we aren't sure what kind of Mac we have, we click the Apple icon in the top-left corner and then 'About This Mac'.	

③

Next, we launch the black **Terminal app** by typing the first few letters **ter** in the **Apps of the Dock** and pressing the **Enter key** ↵



④

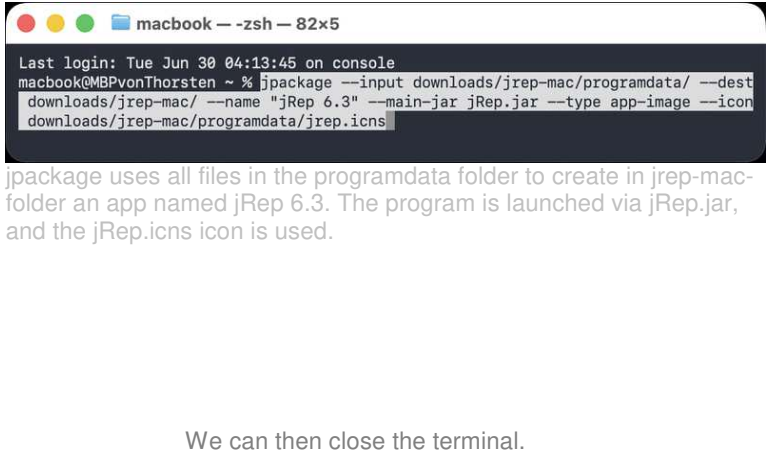
To create an executable jRep program for our Mac we copy the following command into the Terminal:

jpackage --input downloads/jrep-mac/programdata/ --dest downloads/jrep-mac/ --name "jRep 6.3" --main-jar jRep.jar --type app-image --icon downloads/jrep-mac/programdata/jrep.icns

To do this, we highlight the text here using the mouse and copy it to the clipboard with **command+C**. Then, we click into the Terminal window and paste it **into the Terminal** with **command+V**:

Please ensure that this command is copied into the terminal as a single line; you may want to paste it into another program first.

Next, we execute the command by pressing the Enter key ↵. Now we wait until the executable program is created and the % symbol appears again at the end - please be patient...

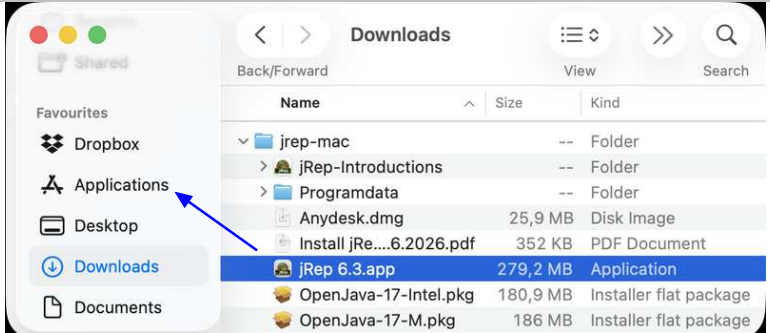


⑤

Now, navigate **in the Finder** again to the unzipped folder **jrep-mac**. Here, you will find the new file named **jRep 6.3.app**.

To install jRep, **click and hold the jRep app file**, then **drag it onto the Applications icon** on the left. Next, release the mouse button.

Afterward, you can close the window and drag the jRep icon on your desktop (jRep 6.3) to the Trash, also the jRep folder in your User directory.

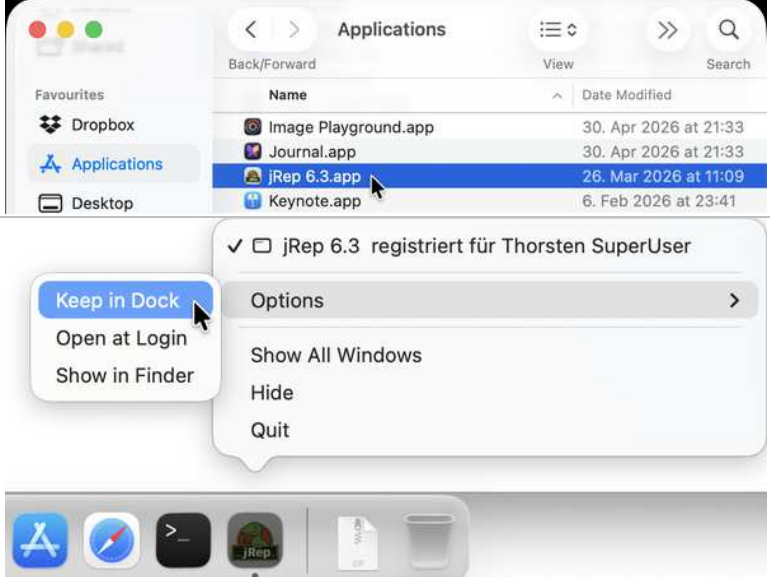


⑥

Now, if you navigate to the **Applications folder in the Finder** (left under Favorites), you will find the **jRep 6.3.app** we created.

Congratulations 😊

Double-click to launch the program.



⑦

To easily launch jRep directly from the Dock in the future, **right-click (or two-finger click) the jRep icon in the Dock** to bring up the context menu. From there, click on **Options** and then select **Keep in Dock**.

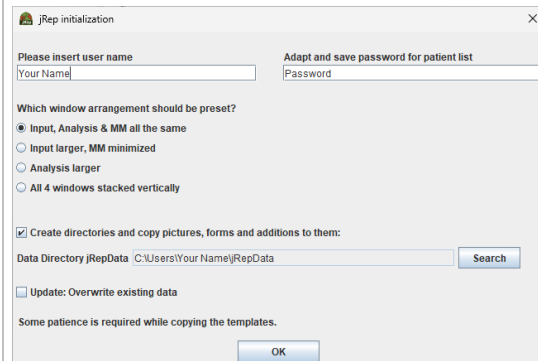
We hope you enjoy using jRep for Mac !

Should anything not work as described, or you feel overwhelmed please feel free to get in touch:

Remy.Schnell@en.jRep.de

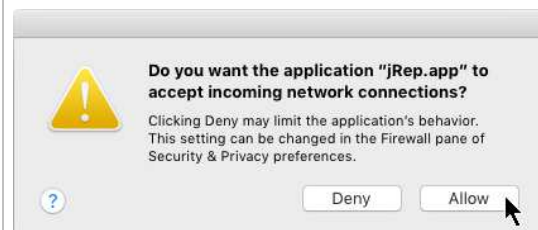


When you first start the program up this dialogue box will appear:
 Enter **your name** making sure there are no spaces after it.
 A random **password** will be created to allow access to the patient list.
 You can write this down or create your own.
 Then we can select which window arrangement the program should start with.
 You should only change the default **jRep data directory** (jRepData) if you want to save the analyses, etc., centrally on a server or in the documents folder if this is backed up.
 Then you create a jRepData folder on the server or in documents.
 Then click 'Search', select the folder & click 'Open'.
 For an **update** click 'Overwrite existing data' (If you have made changes to the repertories then back up your jRepData directory FIRST and contact me!)
 Then click '**OK**'.



It can take a moment until jRep starts up, as the external additional repertories and questionnaires, etc., are now being copied into our jRep data directory: jRepData.

Finally, the adjacent query may appear: Click **Allow**
 Unfortunately, macOS does not remember our answer, so we have to unclick this every time we start jRep - which can be done easily with the Enter key.



When the program is started up for the first time, the **instructions window** will also open, which you can close with the ESC key or via the  top right corner and reopen if necessary via the 'Help - Instructions...' menu.

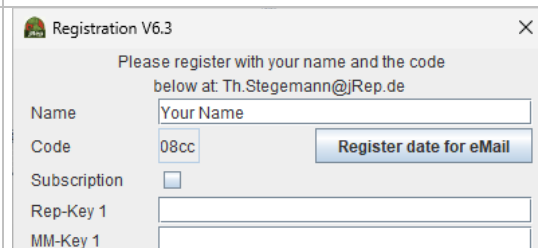
If the program doesn't fill the entire screen, you can resize the outer frame by holding down the left mouse button
 or **maximize** the program window using the second icon in the top right 
 If the windows have moved later, you can restore the internal windows default settings via the 'Window - Arrange All' menu or with ctrl+G.
 To do this hold down the control key (ctrl stands for control) in the bottom left corner of the keyboard and then press the G key.
 You can then release the keys again.

Attention: Since jRep is a Java program, the keyboard shortcuts under macOS are triggered with the **control key** instead of the command / cmd key!

This means that outside of macOS we use the command key for keyboard shortcuts, while inside jRep we use the control/ctrl key.
 In the following I write the keyboard shortcuts as ctrl+X

On some Macs, jRep immediately minimizes itself to the icon  shown in the bottom-left corner right after launch - a behavior for which we have not yet been able to identify a cause.
 In this instance, we move the mouse cursor to the top-right corner of the icon until it changes into a double-headed arrow, and then resize the jRep program window to whatever size seems appropriate.

jRep can be used indefinitely with the Pneumonia Module, etc.
 If you wish to test or purchase other modules, please navigate to the **Registration** via the **Help menu** and click on **Register Data for Email**
 This copies the data to your clipboard, allowing you to paste it into an email using **command+V** and send it to me. I will then set up a trial period or send you the activation keys.



You can find the illustrated **introduction**, which highlights the most important features, in the Instructions folder (in Downloads).

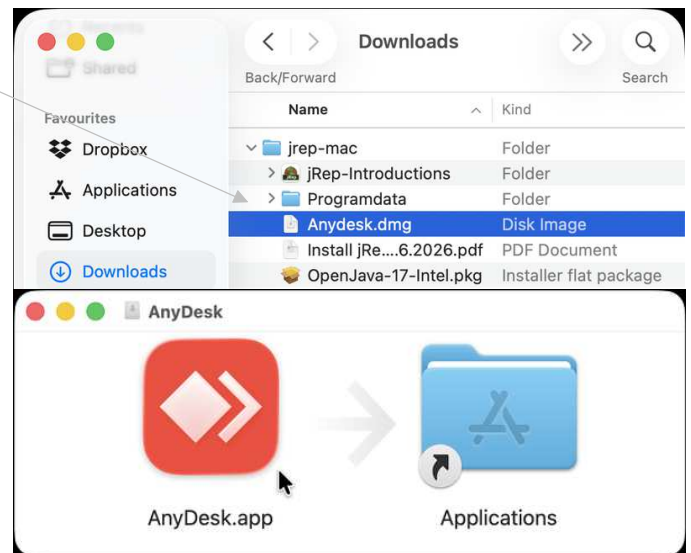


Have fun with jRep !

If you encounter any problems, please get in touch with me briefly.
 Please download the file first: www.jRep.de/jRepE-Mac.zip
 If contacting me by phone, please first launch the small remote support program, **AnyDesk**, located in your Downloads folder, see next page:

Th.Stegemann@jRep.de
 +49 (0)173 82 30 505 - auch   

To do this, **double-click** the downloaded file, **AnyDesk.dmg**:

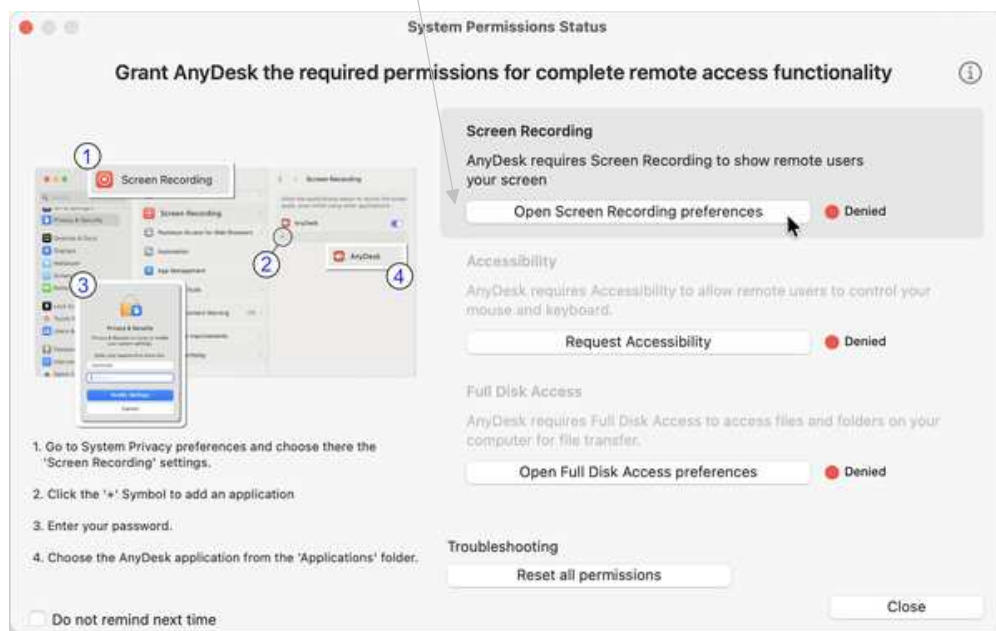


Drag AnyDesk.app to the Applications folder to install the program.

Then close the window and drag the AnyDesk virtual disk from the desktop and Anydesk.dmg to the Trash.

In Finder, double-click AnyDesk.app in the Applications folder to launch the program.
Click Open to allow this.

Upon the first launch, we still need to grant 2 **permissions** by first clicking on **Open Screen Recording preferences**:



The System Settings open, where we slide the toggle next to AnyDesk to the right so that it turns **blue**:



Via the < at the top, we access **Privacy and Security**.

Now, we scroll down **on the right side** until we reach **Accessibility** (**blue** - Attention: not the ones in the left column !):



When we click on this entry, **AnyDesk** should also be listed at the top of this section.
Here, too, we toggle the switch to the right so that it turns **blue**.

Now, we quit all windows and relaunch Anydesk so that our settings take effect.

Then, please give me a call 0173 82 30 505 and provide me with your **AnyDesk address** - the 9-digit number - please slow ;-)

