

Installation of PicApport on a Raspberry Pi



Java Version

We strongly recommend using a Java-Version from **Oracle** because PicApport is running very slow with OpenJDK.

Installation

Raspberry Pi Installation

1. Installing operating system images:
 - a. <https://www.raspberrypi.org/documentation/installation/installing-images/>
2. Getting started with your Raspberry Pi (<https://www.raspberrypi.org/help/quick-start-guide/>)
 - a. Open SSH-Client for example Putty
 - b. Type in the IP of the Rasperry
 - c. Sign in with user **pi** and password **raspberry**
 - d. For a quick setup type **sudo raspi-config** (<https://www.raspberrypi.org/documentation/configuration/raspi-config.md>)

PicApport Installation with dpkg -i (Recommended)

1. Preparation
 - a. Install Java: **sudo apt-get install oracle-java8-jdk**
 - b. Install Screen: **sudo apt-get install screen**
2. Download of the PicApport package
 - a. Change directory to home dir: **cd ~**
 - b. Download PicApport via Terminal: **wget https://www.picapport.de/prepare_download.php?dlfile=7-0-05%2fpicapportpi.deb -O picapportpi.deb**
 - c. Also you can download PicApport here: <https://www.picapport.de/en/photo-server-download.php> .
 - i. Upload the Package to the Raspberry via WinSCP (or some other FTP-Client)
3. Installation
 - a. Install PicApport: **sudo dpkg -i picapportpi.deb**
4. Run PicApport
 - a. To start the Application run: **/etc/init.d/picapport start**
 - b. The **first** start of the Server will take 2-3 minutes.
 - c. Open a browser and fill in the IP of the Raspberry.
 - d. PicApport will run automatically when booting the Raspberry.

PicApport Installation without package.

here: [Installation of PicApport under Linux](#)

start with step 2 of 3

Before you start PicApport we recommend changing the StartPicApport.sh-File to:

```
#!/bin/bash
```

```
java -Xms256m -Xmx512m -Duser.language=en -Duser.home=/opt/picapport -jar /opt/picapport/picapport-headless.jar
```



- The PicApport configuration is located at **/opt/picapport/picapport/**
- PicApport is looking for photos here: **srv/photos/**. To change settings see [PicApport-Server Guide](#)
- All photos are cached by default. To change settings see [PicApport-Server Guide](#)
- The Server starts on port **80**. To change settings see [PicApport-Server Guide](#)

Sample configurations

orientdb.properties (im .picapport-Verzeichnis)

- storage.useWAL=false

picapport.properties

- server.port=80
- server.ssl=false
- user.log.access=true
- gui.enabled=false
- [robot.root.0.id](#)=Fotos
- robot.root.0.isuploadroot=true
- robot.root.0.path=/home/pi/NAS/Bilder
- robot.rescan.minutes=999
- client.timeout.long.millis=100000
- client.folder.sort=name
- plugin.shadow.path=/PicApportShadowFiles

StartPicapport.sh

- java -Xms512m -Xmx512m -XX:MaxDirectMemorySize=256m -Dstorage.diskCache.bufferSize=256 -Duser.language=de -Duser.home=/opt/picapport -jar /opt/picapport/picapport-headless.jar

Java Version

- java version "1.8.0_221"
- Java(TM) SE Runtime Environment (build 1.8.0_221-b11)
- Java HotSpot(TM) Client VM (build 25.221-b11, mixed mode)

- [PicApport-Server Guide](#)
- [PicApport - Usermanagement](#)
- [Installation of PicApport on a Raspberry Pi](#)
- [Version 7](#)
- [Full text search of photos - Supported metadata](#)