RaspberryPi SetUp for Security Motion Tracker System

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# Abbildungsverzeichnis

# Tabellenverzeichnis

# Introduction

Instructions on how to set up the Raspberry Pi for the Security Motion Tracker System.

# The right OS

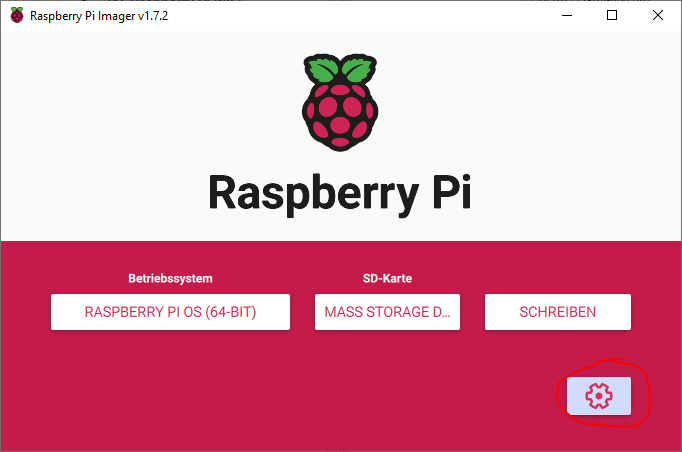
Use the Raspberry Pi Manager for convenient installation. Software can be found here: <https://www.raspberrypi.com/software/>

During the installation process choose the 64Bit Version of Pi OS and go for the OS Lite Version.

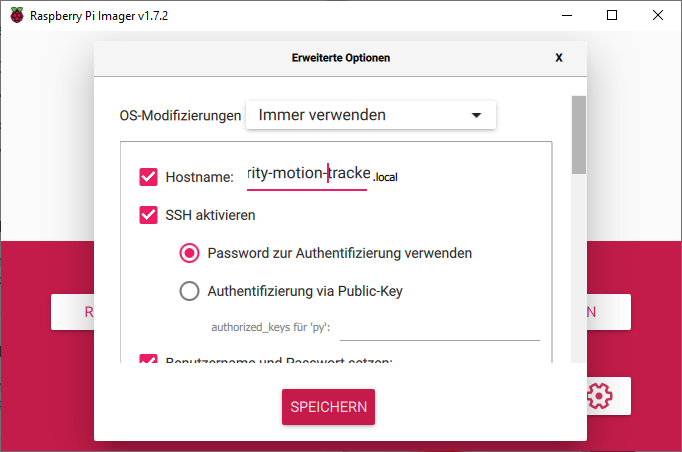
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Automatisch generierte Beschreibung

After choosing the OS go into the settings menu



Choose settings as follows:



Hostname: security-motion-tracker

SSH activated with password for authentication

Set the username py and password Raspi3#

If necessary, activate wifi and choose the right language for the keyboard.

# Establishing connection and installing xrd for remote desktop connection

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Automatisch generierte Beschreibung

LogIn on the Pi via cmd console and ssh

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Automatisch generierte Beschreibung

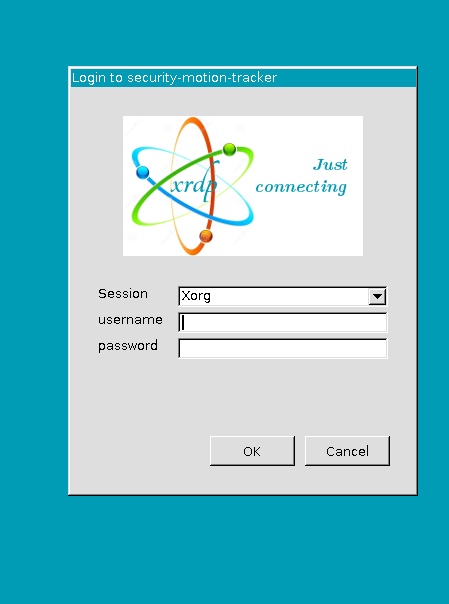
Install xrp Remote Desktop with the following command:

sudo apt-get install xrdp

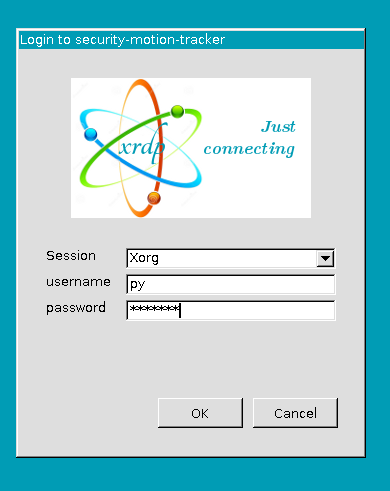
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Now its possible to use the windows remote desktop to connect to the raspberry



Use the previously configured username and password for connection



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Automatisch generierte Beschreibung

Install docker using

sudo apt install docker.io

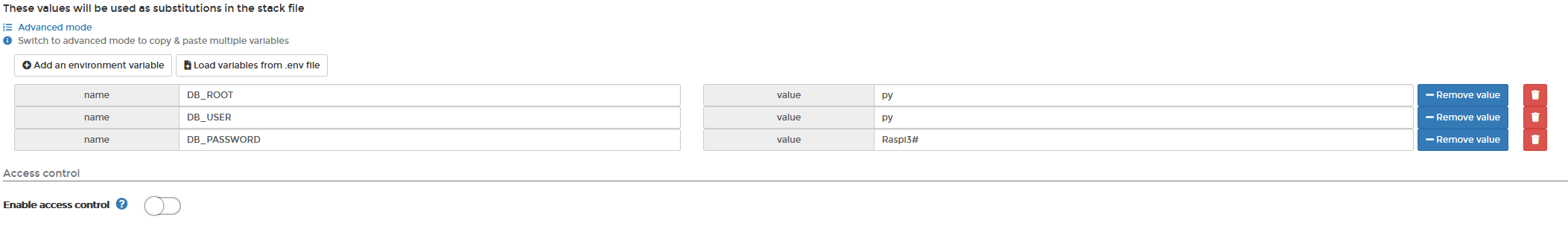
Enable access to docker for user py

sudo usermod -aG docker py

Install portainer using

sudo docker pull portainer/portainer-ce:linux-arm64

sudo docker run --restart always -d -p 9000:9000 -v /var/run/docker.sock:/var/run/docker.sock -v portainer\_data:/data portainer/portainer-ce:linux-arm64



# Glossar

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