

# Install Raspi

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## History

### ***V 0.2.0 14.oct.2023***

Add desktop entry for tyra

### ***V 0.1.0 30.sep.2023***

First Creation

## Intro

### ***Goal***

Install Raspi for using as dev Station

### ***Setup 4 Raspi Imager***

Setup Standard OS with desktop; without recommended Software.

Before burning image select:

Hostname: aewinter

SSH User: aeningning

SSH Password: sldsld1023

WIFI: nothing

TimeZone: Eu/Berlin

Keyboard; de

## ***Raspi-config***

- Display options
  - VNC Resolution
    - 1280x720
- Interface options
  - VNC
    - Enable Yes

Sudo reboot

## ***Copy files to target***

```
scp -v watchmen.jar install_basics.sh install_services.sh siu.sh siu.cfg siu_load.sh  
siu.elf zena.sh zena.cfg zena_load.sh marty.elf watchmen.service t0.sh t1.sh %USER  
%@%TARGET%:~
```

Make scripts executable

```
ssh %USER%@%TARGET% chmod a+rx *.sh
```

Activate watchmen

```
sudo ./install_services.sh
```

## ***enable watchmen***

```
sudo systemctl enable watchmen.service
```

Execute install\_basics.sh script (as root)

```
apt update
```

```
apt full-upgrade -y
```

```
apt install ca-certificates-java -y
```

```
apt install openjdk-17-jre -y
```

```
apt install libpangoft2-1.0-0 -y
```

```
apt install libgles-dev -y
```

```
apt install openocd -y
```

```
#apt install x2goserver
```

```
apt install mc -y
```

```
apt install xoscope -y
```

```
apt install minicom -y
```

```
apt install telnet -y
```

## ***Run setup script***

Activate watchmen

```
sudo ./install_services.sh
```

Script contains

```
sudo cp watchmen.service /lib/systemd/system
sudo systemctl enable watchmen.service
sudo systemctl start watchmen.service
cp tyra.desktop .local/share/applications/tyra.desktop
```

## **Questions**

Vncserver or x2goserver or raspi light without desktop

xoscope for signalling

develop tyra

## ***Problems***

xoscope run through x2goserver

## ***Info***

Locatoion of .desktop files

/usr/share/applications  
(created in raspi but empty)

/usr/local/share/applications  
(not used in raspi)

~/.local/share/applications  
(created in raspi but empty)

## **Links**

<https://specifications.freedesktop.org/desktop-entry-spec/desktop-entry-spec-latest.html>

## ***Culture***

## ***Profiles***

## ***Other***