

# Provisioning Jig v3 Documentation

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## Host Machine Details:

Raspberry Pi 3B+ with Raspberry Pi OS 64-bit, with 16GB SD Card, SSH and VNC enabled

Username: ProvisioningJig

Password: ProvisioningJig

Hostname: raspberrypi

## System Functions:

- Auto login and run provisioning script on startup
- Automatically detect which device is plugged in, and the version
- Flash the device via SWD, with its specific binary file
- Upgrade the STLink to a recent usable version, this step needed to be done with the STSW-LINK007 software package, but has been eliminated details found in the project report

## For updates / reproduction:

- main script is located at /Desktop/ProvisioningJig\_Code/newMain.py
- binary file selection can be done from the telnet\_commands.py file
- use Win32DiskImager to create an .img of the ProvisioningJig's SD Card, and then PiShrink to compress it (optional, but saves a few GB and time)
- use Win32DiskImager to flash the desired .img file to an SD Card
- assemble the Jig according to the assembly guide