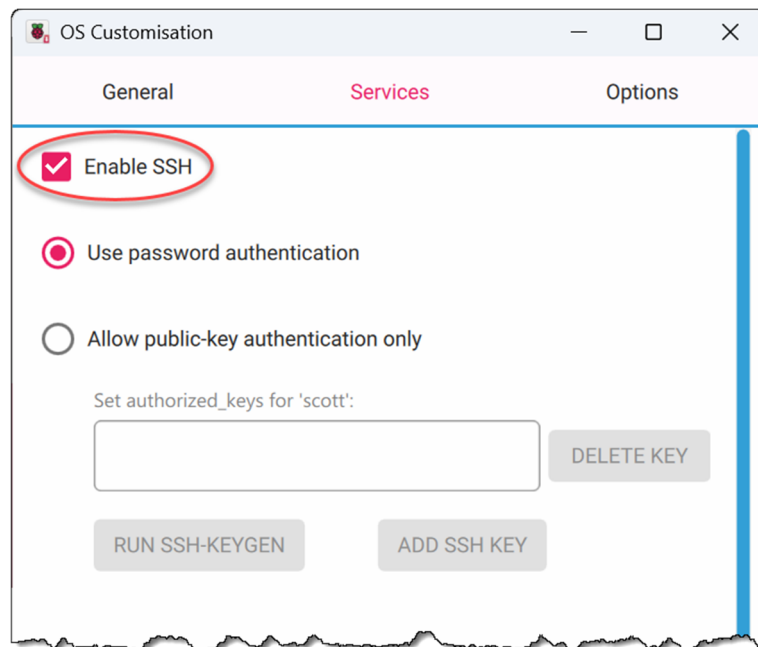


Set Up a “Headless” Raspberry Pi

A headless Raspberry Pi is a Raspberry Pi configured to run without a monitor, keyboard, or mouse, accessible only via a network connection.

Enable SSH During MicroSD Card Imaging

When imaging a microSD card with the [Raspberry Pi Imager](#), enable [SSH](#) under the Services tab after editing your configuration settings (such as the hostname, username, password, and Wi-Fi details).

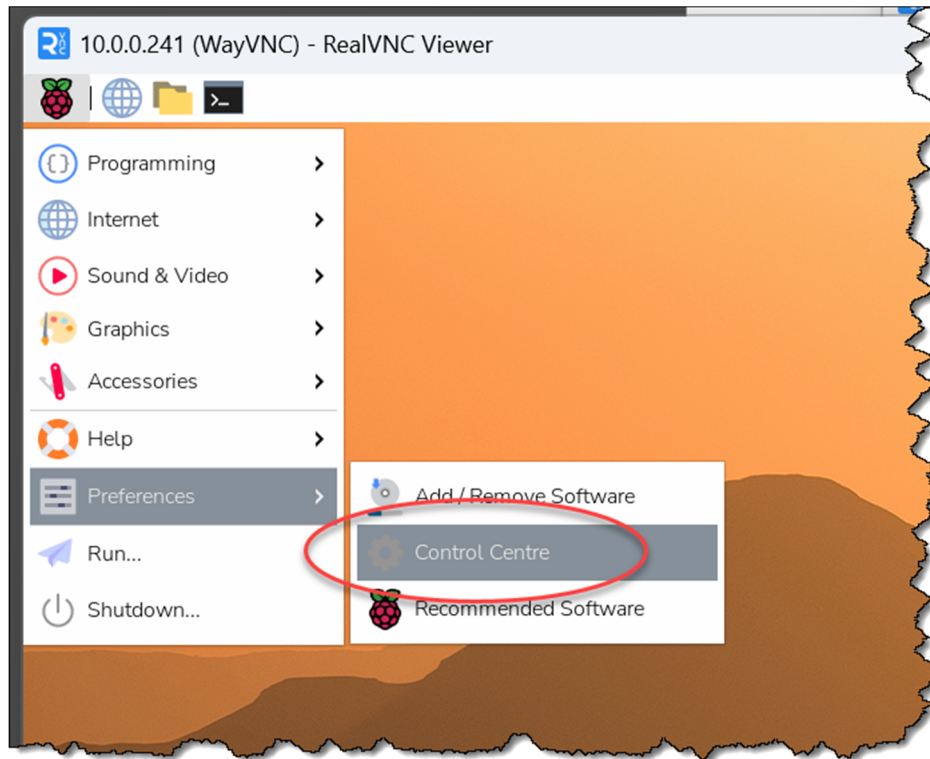


Put the microSD card into your Raspberry Pi and turn on the power. Wait for about 30 seconds for the Raspberry Pi to complete its startup procedures.

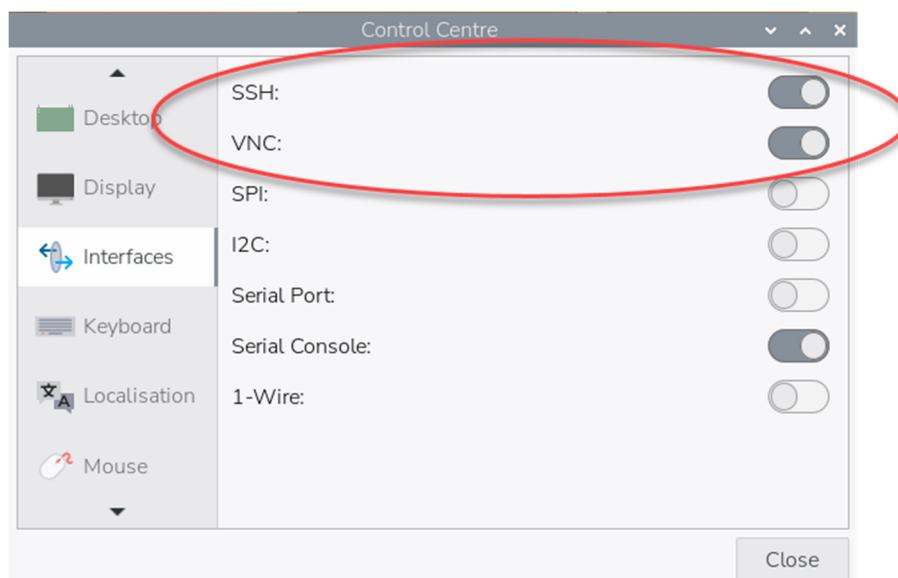
Now jump to **SSH Access** on page 3.

Enabling SSH After MicroSD Card Imaging

If you've already imaged your microSD card and you did not enable SSH, using the keyboard/mouse/monitor connected to your Raspberry Pi, click the Raspberry Pi button on the desktop and select **Preferences > Control Centre**.



You can now enable both SSH and VNC at the same time and then click **Close** to save your settings. Reboot the Raspberry Pi.



SSH Access

Most operating systems include a SSH client, but it may need to be enabled. Consider using [PuTTY](#), an open source SSH program.

After booting the Pi, you can connect to it remotely using an SSH client from another computer on the same network. You should be able to use the host name if you cannot determine the IP address of the new Raspberry Pi.

VNC Access

After logging into the Raspberry Pi over SSH, run the following command to enable VNC (Virtual Network Computing) access, which will allow you to work within the desktop environment.

Location: home directory

☐ `sudo raspi-config`

In the text-based user interface (TUI), select Interface Options (use the arrows on your keyboard for navigation).

```
scott@rpi01: ~
File Edit Tabs Help
Raspberry Pi 5 Model B Rev 1.1, 2GB
Raspberry Pi Software Configuration Tool (raspi-config)

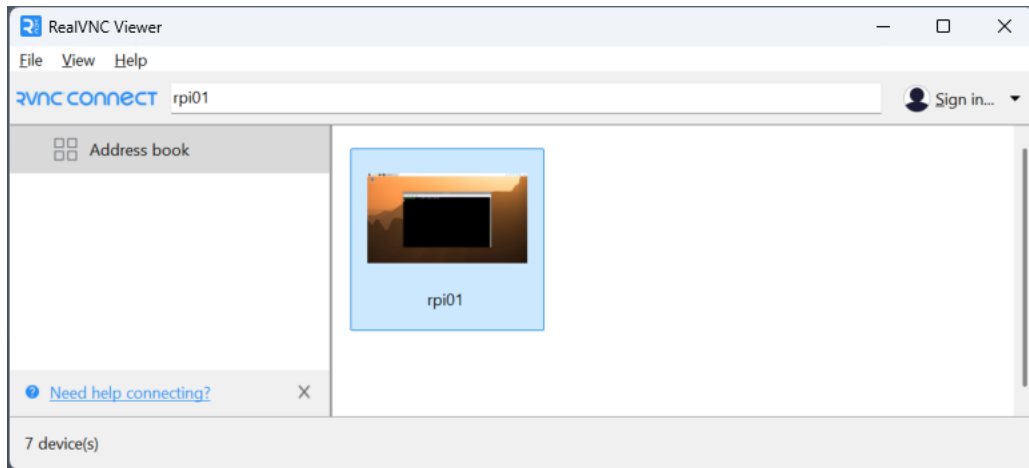
1 System Options      Configure system settings
2 Display Options     Configure display settings
3 Interface Options   Configure connections to peripherals
4 Performance Options Configure performance settings
5 Localisation Options Configure language and regional settings
6 Advanced Options   Configure advanced settings
8 Update              Update this tool to the latest version
9 About raspi-config  Information about this configuration tool

                        <Select>                        <Finish>
```

Location: raspi-config Text-Based UI (TUI)

- ☐ Use keyboard to highlight **Interface Options** and press **Enter** to select.
- ☐ Use keyboard to highlight **VNC** and press **Enter** to select
- ☐ Use keyboard to highlight **Yes** (to enable) and press **Enter** to select
- ☐ When prompted that the VNC Server is enabled, select **<OK>**
- ☐ Select **<Finish>** to close the raspi-config window.

Use a VNC remote desktop software, such as [RealVNC](#), to connect to your Raspberry Pi using the hostname or IP address.



You've done it!