

SIT210: Embedded Systems Development

Task 6.1P RPi - Remote operation

Raspberry Pi platform provides variety of functionalities. However to use a raspberry pi at the start, you require to have a monitor (connected to HDMI port), a keyboard, and a mouse. This task is designed to help you setup remote connection to your raspberry pi.

Hardware Required

Raspberry Pi, Keyboard, Mouse

Software Required

Noob software installed on the Raspberry Pi (or any other compatible OS)
VNC (optional)

Pre-requisites: You must do the following before this task

- 1) Complete previous Raspberry Pi task 4.1P

Task Objective

In this task, you will setup your raspberry pi to accept remote connection. Once setup, you can remotely connect to your raspberry pi and access it from your computer or other devices without the need to have dedicated monitor, keyboard or a mouse. You can use many resources online to help you setup remote connection. We recommend SSH and VNC. You are free to choose the setup/approach you want to use. If you want to use either of SSH, or VNC, you can have a look at following resources provided by raspberry pi foundation.

- For SSH: <https://www.raspberrypi.org/documentation/remote-access/ssh/>
- For VNC: <https://www.raspberrypi.org/documentation/remote-access/vnc/>

Steps:

- 1) Choose your remote connection approach (either from the options above, or any other option).
- 2) Once setup, connect to your raspberry pi from your device and take a screen capture that clearly demonstrates the device screen, your raspberry pi screen and the folder/file you created with your name for task 4.1P. (If you do not have it, no stress, create another one).

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Task Submission Details

Q1: In no more than three paragraphs, please describe the steps you took to setup remote connection. Using bullet points are much preferred.

Q2: Paste the screen capture here and submit the file as your submission for task 6.1P.

Remember, anytime you submit a task to OnTrack, it is a good practice to check the status of any existing tasks, and the future tasks you are expected to complete. If you have got feedback on previous tasks, you may need to fix and resubmit some of your work. You want to check out why, so that you can learn from this and make it faster and easier to accomplish later work to the required standard.