Raspberry-pi Initials

This presentation has the basic usability of raspberry-pi and initial guide to steer you through.

Things Needed

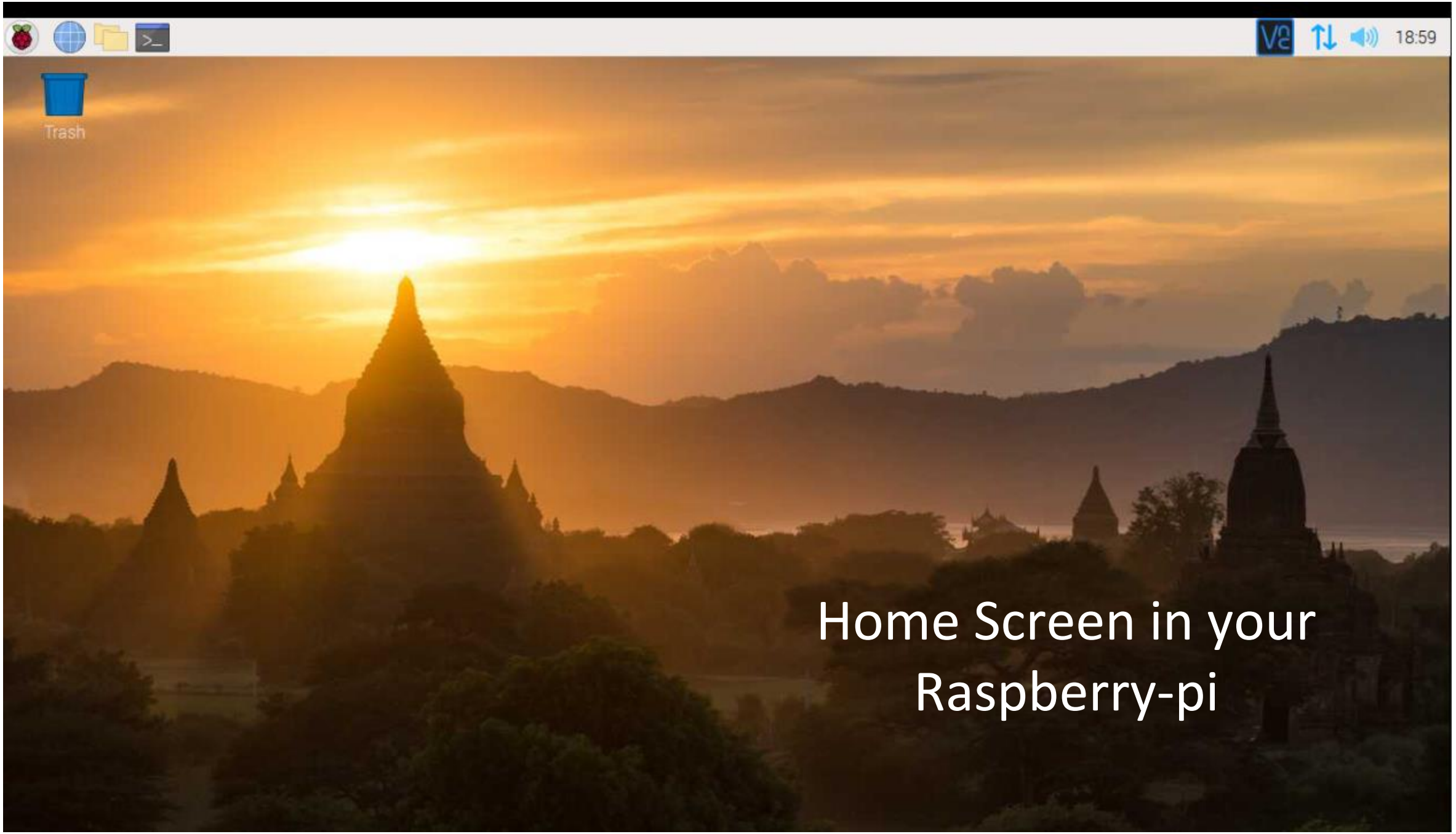
- The Raspberry-pi
- HDMI Cable
- Power Adapter
- Mouse
- Keyboard
- Monitor with HDMI input/LED TV having HDMI input

* make sure that your Raspberry-pi is included with a memory card and all your data will be stored into that only. Please handle with care

*HDMI cable is provided in the box.

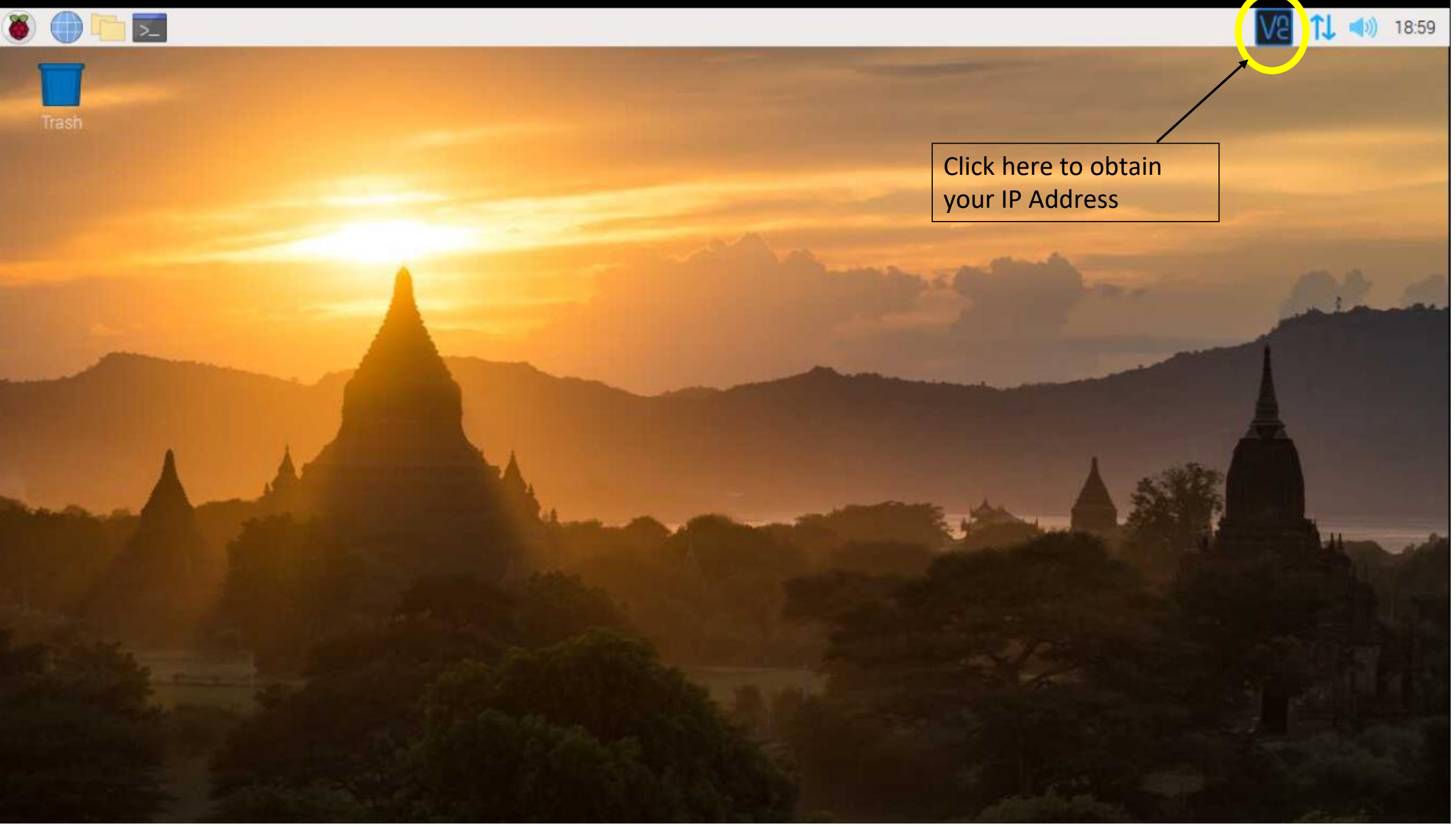
Let’s Start

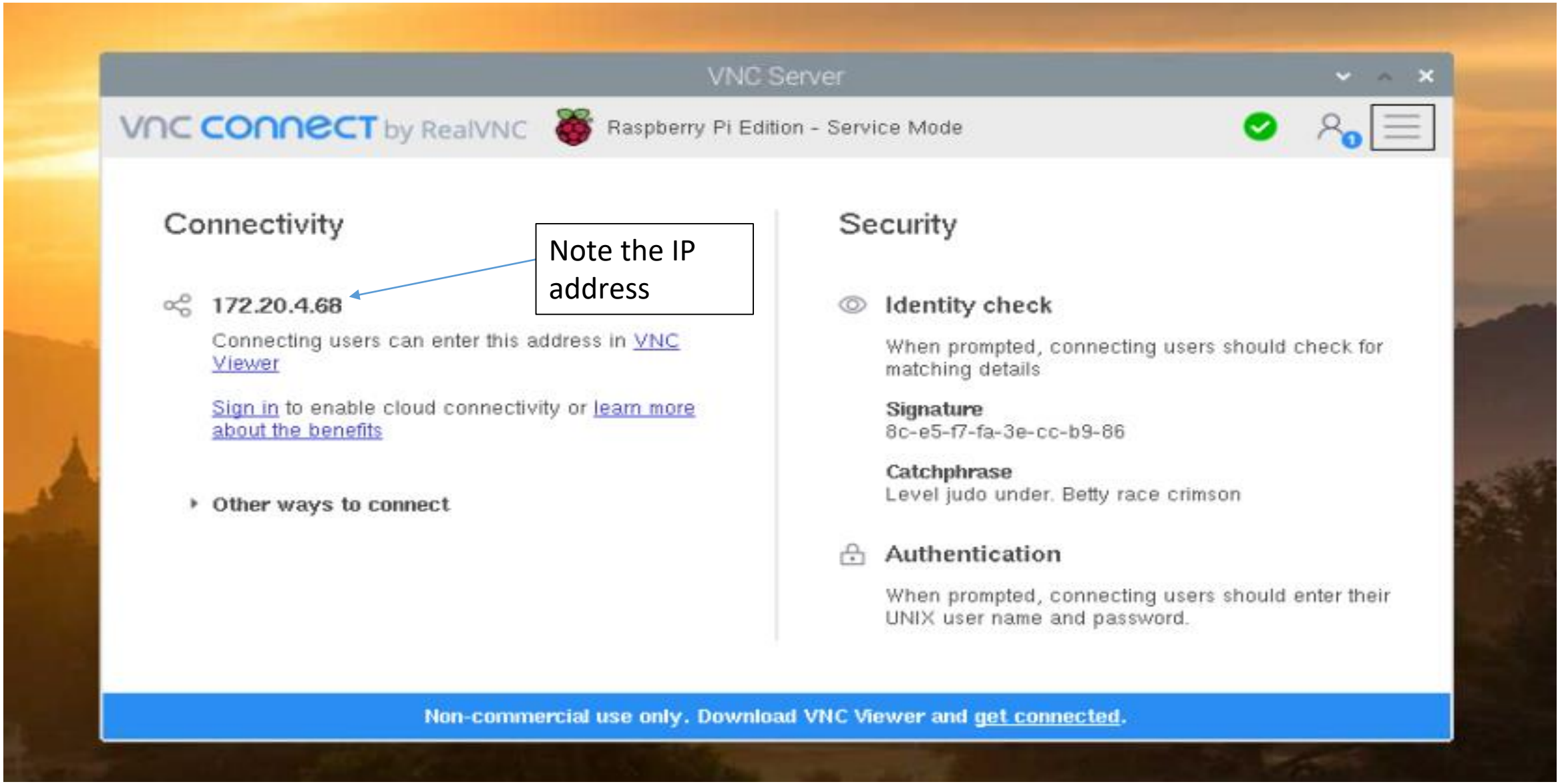
- Plug in Mouse, Keyboard, HDMI cable first and then Plugin power to the raspberry-pi
- Make sure you are viewing something on your screen like some boot code and some graphics.
- Your raspberry-pi will get booted in 20-30 seconds please wait for that
- If you have Broadband at your home connect the RJ-45 cable with Raspberry-pi

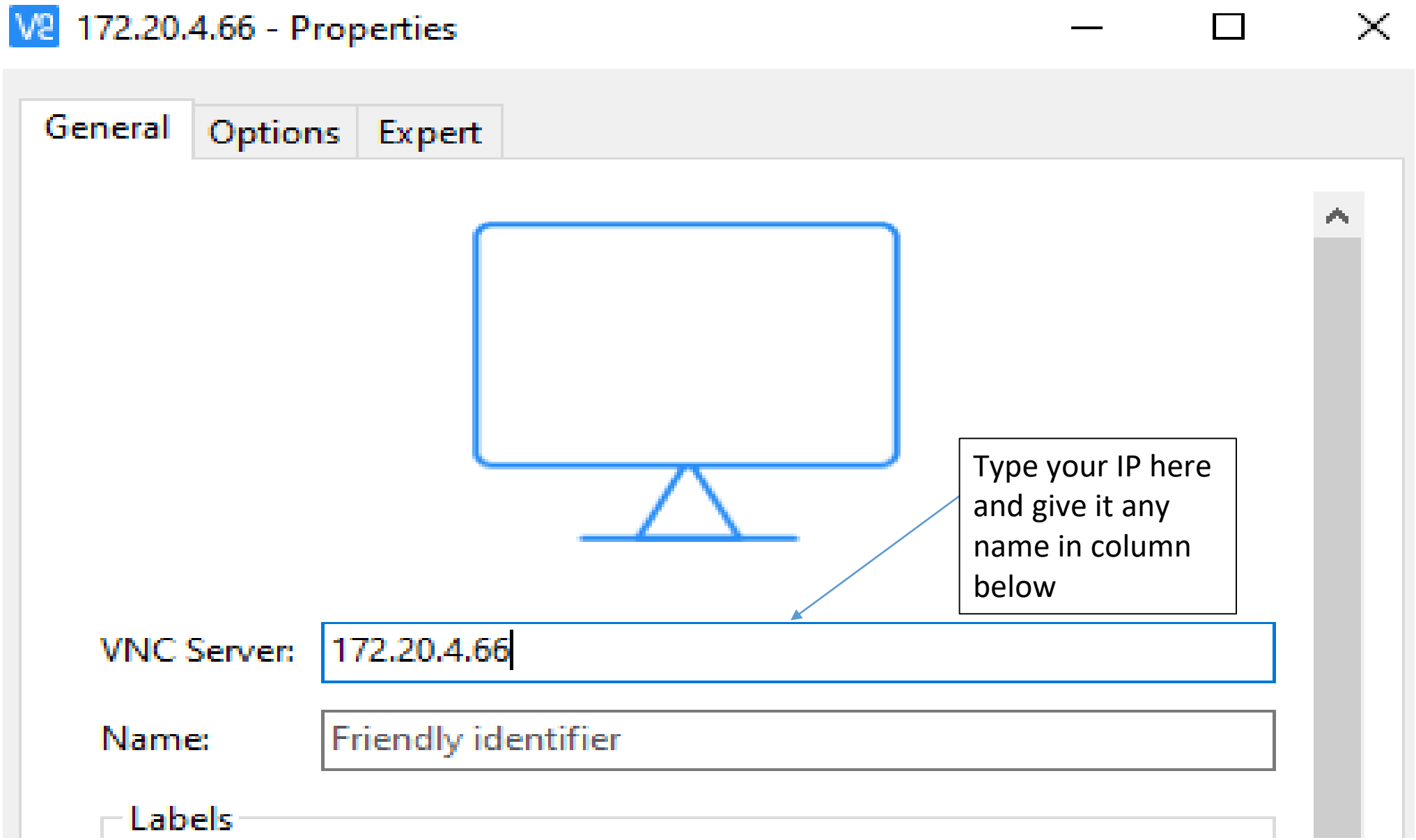

18:59
Trash
Home Screen in your
Raspberry-pi

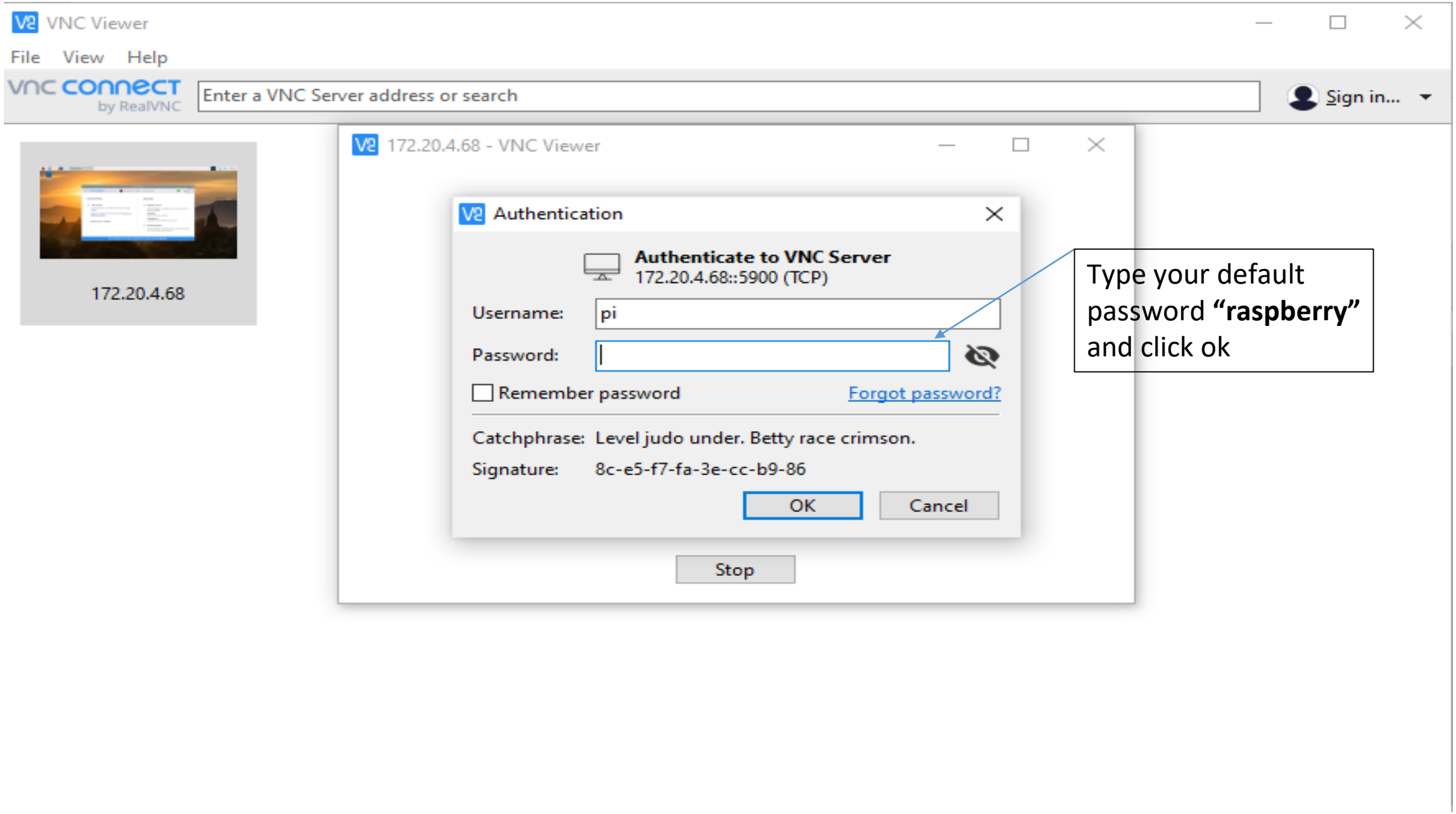
Alternative ways to operate your Raspberry-pi

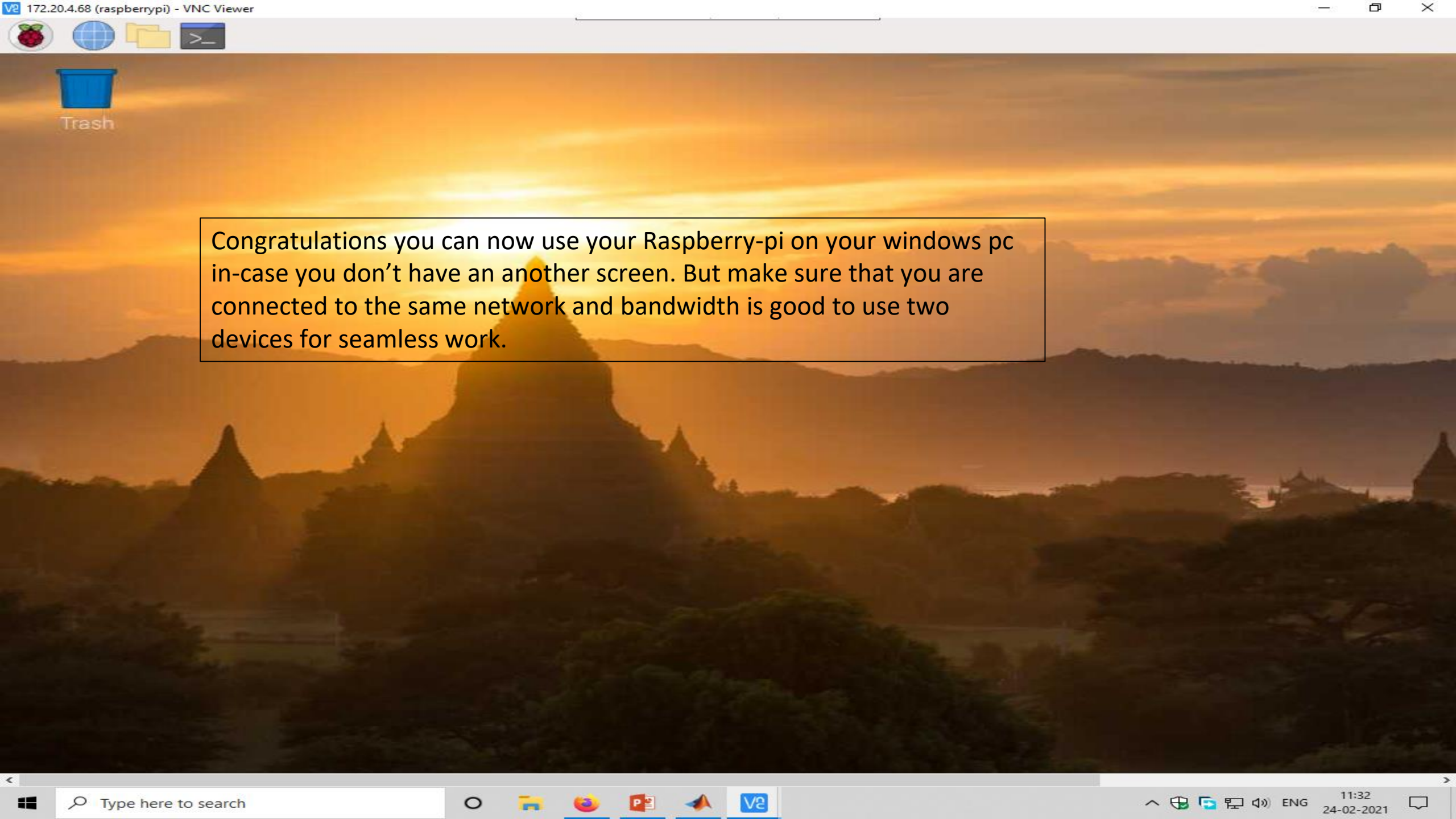
- You could instead use your windows pc if you don’t have a screen in spare but for first installation you need to have a screen
- Further steps as followed
    - Connect your Raspberry-pi to the wifi or with the broadband.
    - Click on the VNC logo on your Raspberry-pi prompted screen will tell you the IP address allotted to your raspberrypi
    - Install **“VNC VIEWER”** application in your windows PC .
    - Open the application and type the IP address on which your raspberry-pi is working and press next
    - A prompted screen would ask you to type your password your default password is**”raspberry”** and you are advised to don’t change the password. And if you change it please return the Raspberry-pi having default password.
    - For better understanding follow screen guide next slide onwards.


Trash
18:59
Click here to obtain
your IP Address


VNC Server
VNC Connect by RealVNC
Raspberry Pi Edition - Service Mode
Connectivity
Note the IP address
172.20.4.68
Connecting users can enter this address in VNC Viewer
Sign in to enable cloud connectivity or learn more about the benefits
Other ways to connect
Security
Identity check
When prompted, connecting users should check for matching details
Signature
8c-e5-f7-fa-3e-cc-b9-86
Catchphrase
Level judo under. Betty race crimson
Authentication
When prompted, connecting users should enter their UNIX user name and password.
Non-commercial use only. Download VNC Viewer and get connected.


172.20.4.66 - Properties
General
Options
Expert
Type your IP here and give it any name in column below
VNC Server:
172.20.4.66
Name:
Friendly identifier
Labels


VNC Viewer
File View Help
vnc connect by RealVNC
Enter a VNC Server address or search
Sign in...
172.20.4.68
172.20.4.68 - VNC Viewer
Authentication
Authenticate to VNC Server
172.20.4.68::5900 (TCP)
Username: pi
Password:
Remember password
Forgot password?
Catchphrase: Level judo under. Betty race crimson.
Signature: 8c-e5-f7-fa-3e-cc-b9-86
OK
Cancel
Stop
Type your default password "raspberry" and click ok


172.20.4.68 (raspberrypi) - VNC Viewer
Trash
Congratulations you can now use your Raspberry-pi on your windows pc in-case you don’t have an another screen. But make sure that you are connected to the same network and bandwidth is good to use two devices for seamless work.
Type here to search
ENG
11:32
24-02-2021

Points to remember

1) Avoid using the raspberry pi without the case. Any stray static may damage the board.

2) Only use the given power supply.

3) Heating is normal in the Pi. Don’t worry.

4) Needless to say, keep it indoors and prevent any dust or moisture from entering the case.

5) Do not interface any 5V sensor directly with the GPIO pins. Although the board has 5V supply pins, avoid using them.

Basic Troubleshooting Tips

While connecting to some displays, the raspberry pi might not show up. Go to link: https://howtoraspberrypi.com/raspberry-pi-hdmi-not-working/

and follow the steps. It generally solves the problem.