

CREATING A PERSONAL CLOUD

Kanishkan M S,ME19B192

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Project Aim

To create a cloud that can be accessed from any part of the world

Project description:

- **Raspberry Pi 3 B:** Raspberry pi is a microprocessor which can be used as a mini computer for low computing operations, it has a dual band LAN, faster Ethernet, Bluetooth, it also has USB and HDMI ports for connecting devices. This device can be used as a server which we are doing in this project.
- **Micro SD card:** You will need a minimum of 8 gigabytes SD card for this project, this SD card is used as the ROM of the raspberry pi.
- **Hard drive:** You will need a hard drive to store the data, which acts as the cloud storage drive.

Approach

1. Download the Raspbian OS and install it in the micro SD card
2. Download ownCloud in your raspberry pi 3 B
3. Mount and setup your hard drive
4. Enable SSI(Server side includes) for secure access
5. Enable port forwarding in your WAN connection
6. Create a ownCloud account and save your files from any part of the world