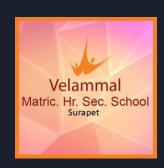


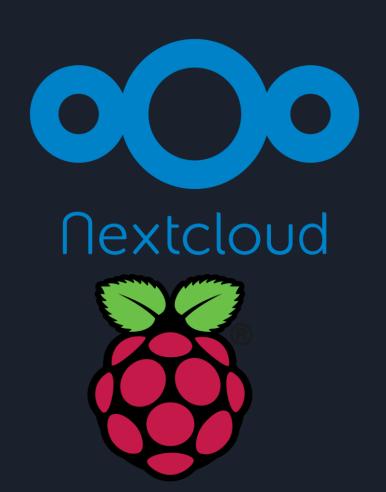


J.V.LAVAN G.HARISHRAM B.VIGNESHWAR





- ✓ Overview
- ✓ Benefits
- ✓ Advantages of cloud
- ✓ Backup and recovery
- ✓ Additional features supported
- ✓ Team members



Overview



<u>Cloud storage</u> is a model of computer data storage in which the digital data is stored in logical pools. The physical storage spans multiple servers (sometimes in multiple locations), and the physical environment is typically owned and managed by a hosting company.

Our Idea / Model:

In Our project we hosted this within Raspberry Pi, Which makes low cost and additionally we can take it to wherever we want (portable) and still share the files to whomever we want.

We developed a secured portable cloud storage, Which addresses cyber threats and user based access management.

Benefits

- Our cloud server has inbuilt antivirus, which scans the files before being uploaded.
- ✓ Our cloud storage provides ransom ware security
- ✓ Protect against brute force attacks.
- ✓ Protects the user against all attacks.



Advantages of our cloud storage:

- ✓ Our cloud store can be expandable up to 32 TB(TERA BYTES)
- Reduces upfront cost or No need to pay rentals.
- ✓ The main advantage is the server is in our workplace, So data stealing cannot be done
- ✓ Can be restricted to access only from our private network
- ✓ User privacy issues taken care. If you choose third party services, privacy is concerned and you need to pay more to use these services.

Advantages of our cloud storage:

- ✓ We created in such away that the cloud server can be accessed without proper privilege
- ✓ Our project is to address the storage capacity, easy way for accessing the data
- ✓ Anywhere around our campus
- ✓ Eliminating multiple files at multiple location and syncing for updates
- ✓ Setting user based access rights (read / write).

Backup and Recovery

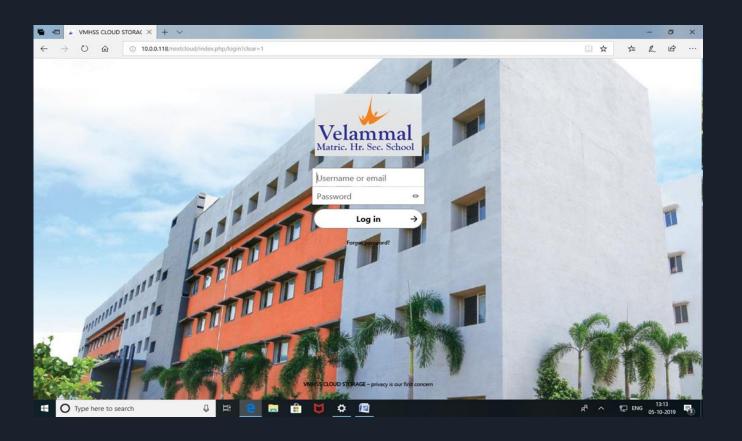
Since all your data is stored in the cloud, backing it up and restoring the same is relatively much easier than storing the same on a physical device. Furthermore, most cloud service providers are usually competent enough to handle the recovery of information. Hence, this makes the entire process of backup and recovery much simpler than other traditional methods of data storage.

ADDITIONAL FEATURES SUPPORTED:

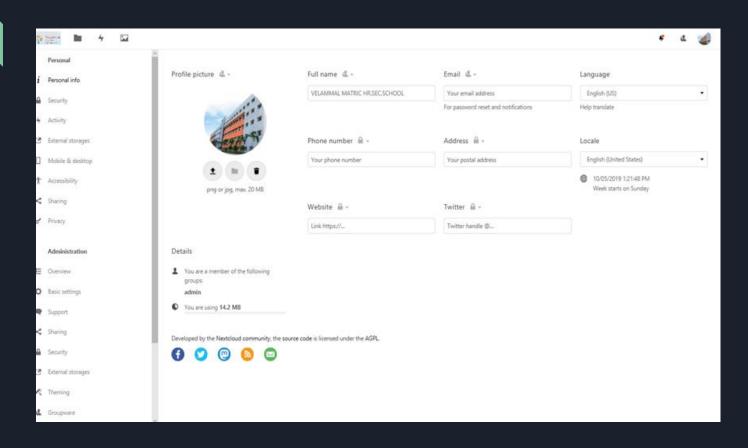
Apart from cloud storage we have included various features. Some of them are

- ✓ Calendar
- ✓ Gallery
- ✓ Music player
- ✓ Email client
- ✓ Maps
- ✓ Contacts
- √ Forum (circle)
- ✓ Phone tracking services
- ✓ Talk (for voice call, conversation and video call within the group).

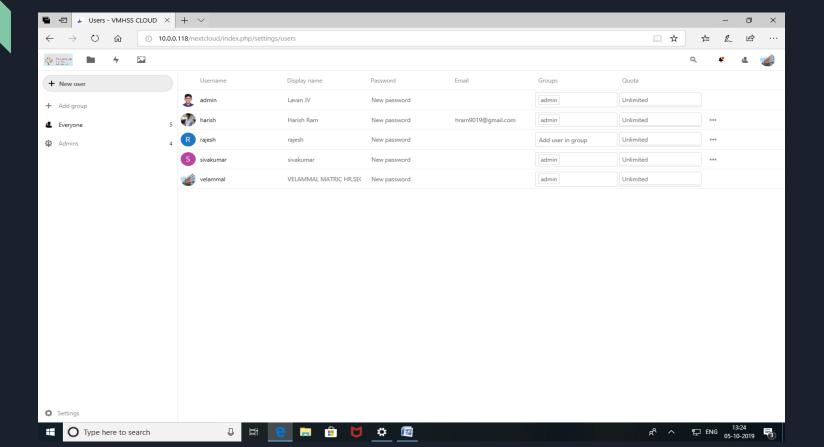
Login page of our cloud server:



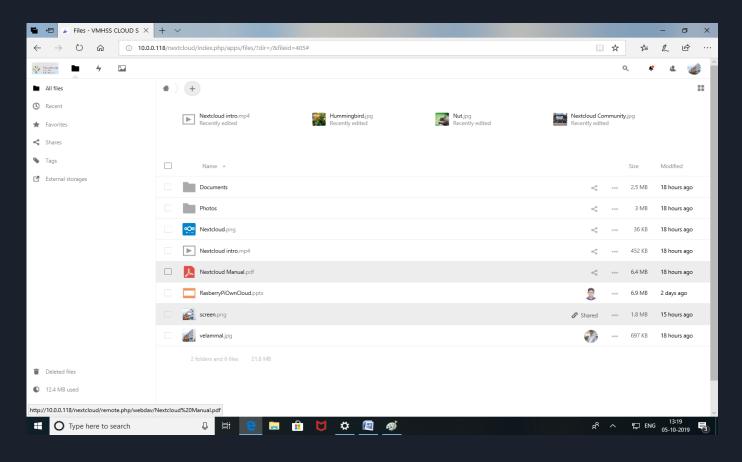
Easy access for editing user info



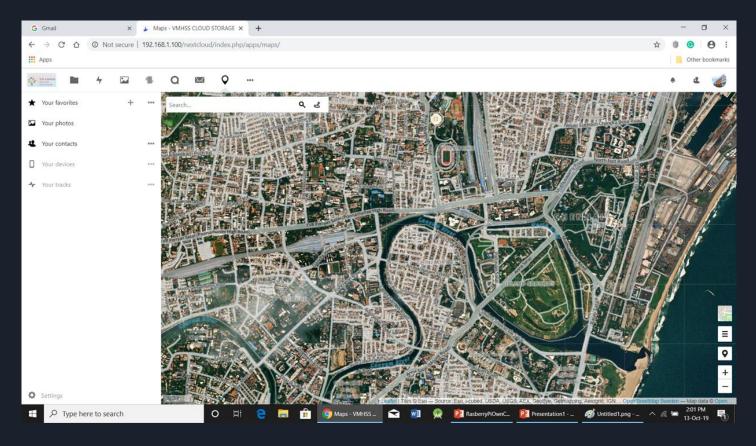
User Management



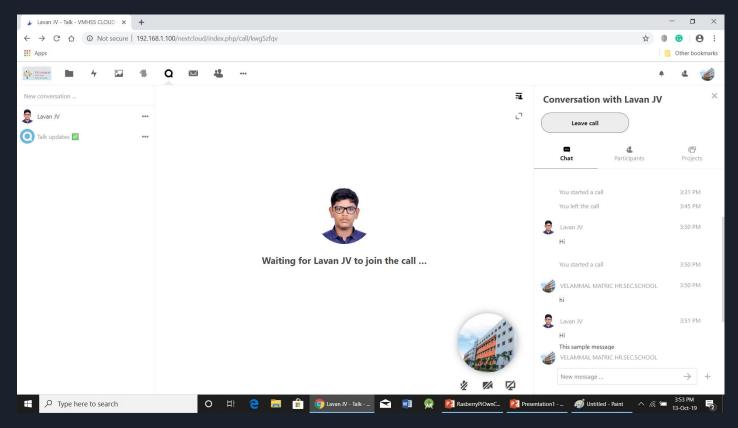
Viewing files in cloud



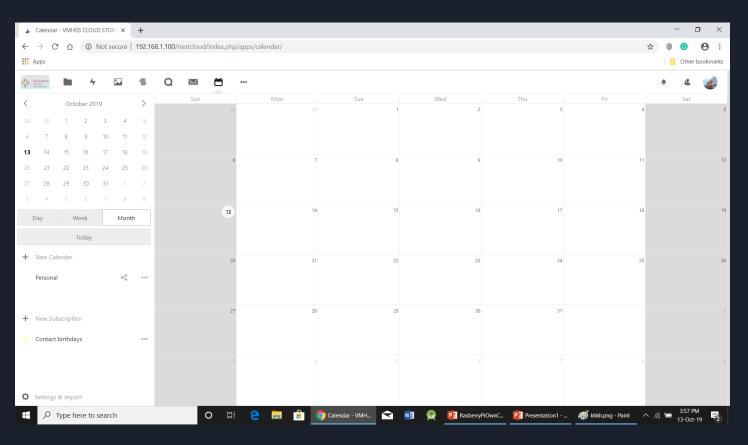
Map support for quick navigation and to locate the cloud server .



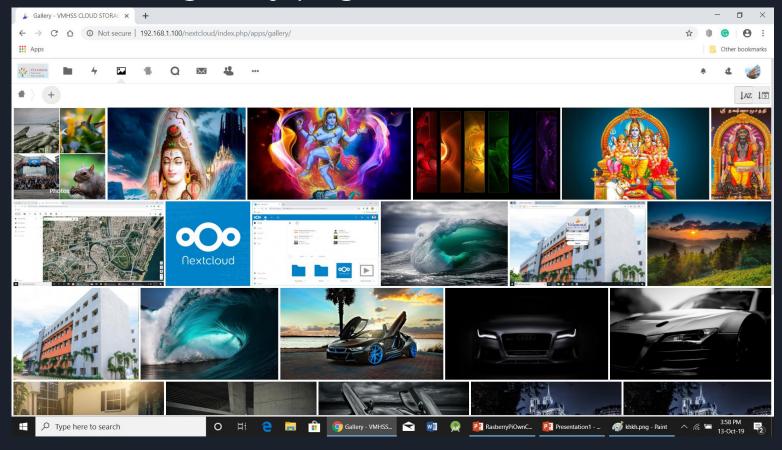
Users communicator page (voice call, video call)



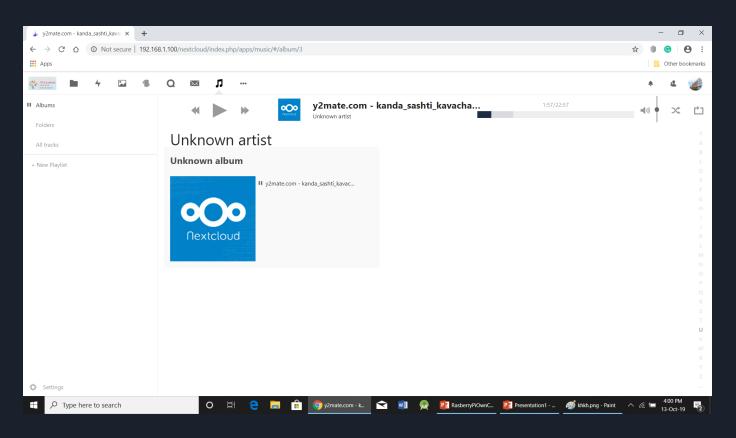
Calendar page: to share Events



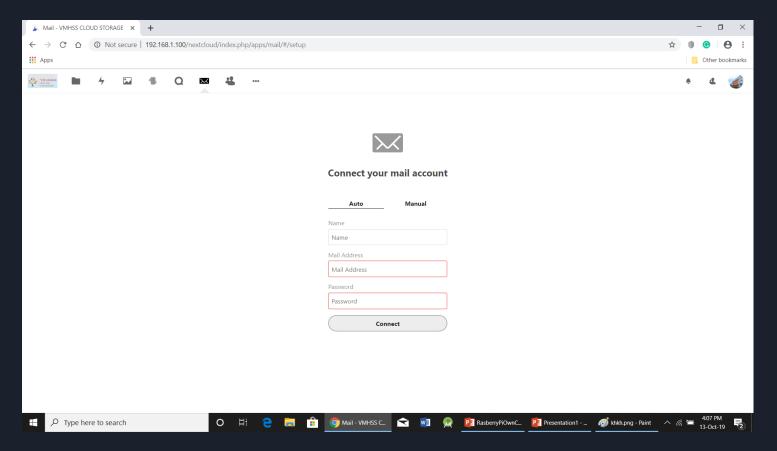
This is the gallery page:



This is the music player page:



This is the email client page:



How to Access the cloud?

It is so hard to access cloud without knowing the loops coded behind it .there are 3 layers of security to access it

- by knowing the ip address in the router
- login using putty to access the SSH client to activate the webserver to use the cloud
- login using user in our cloud login

TEAM MEMBERS:

- I.J.Y.LAYAN
- 2.G. Harish ram
- 3.B. YIGNESHWAR