1. **Purpose:**

This part consists of installation and mounting the cloud storage controller onto the online cloud platforms like Dropbox or Sugarsync.

2. **Introduction**-

We use OS Ubuntu 12.04 to run this cloud storage controller called Nubisave which allows us to use dispersion and other similar techniques to secure the data past encryption and safely store the data onto the cloud.

Let us first see a few steps to install nubisave on your computer.

2.1) Open the editor and install x86_64 specific packages that run in the latest version of Ubuntu and Debian operating systems.

2.2) They consist of the following steps-

→ `wget -O- http://nubisave.org/downloads/nubisave.key|sudo apt-key add –`(connects to the main system and downloads the key and adds it onto the sub system)

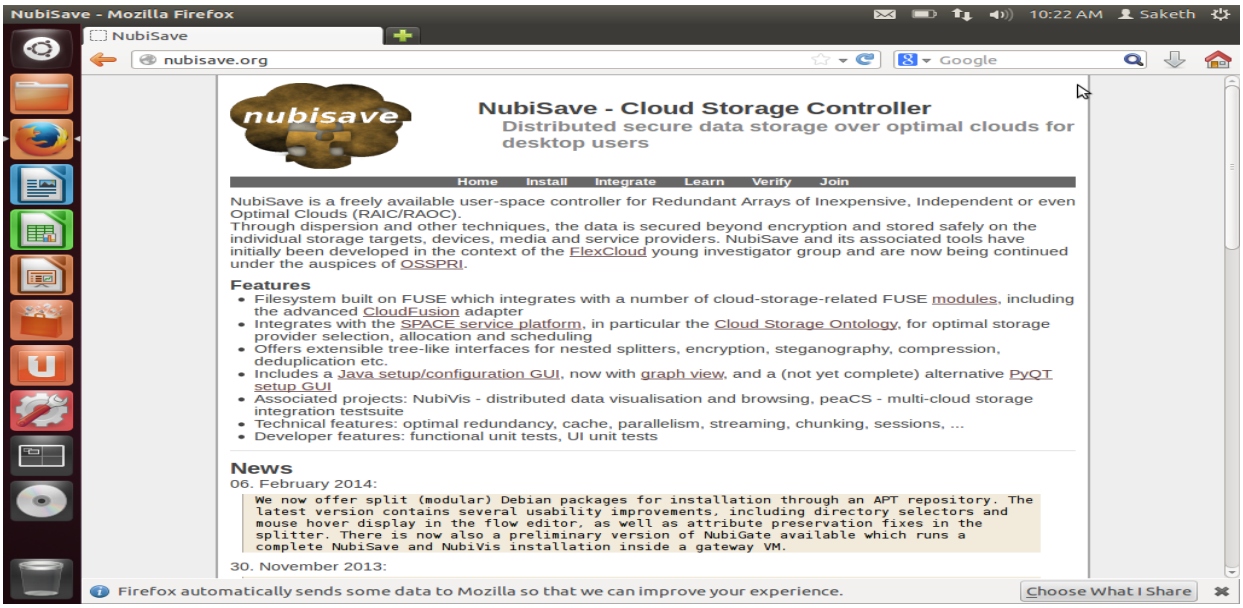
→ `echo "deb http://nubisave.org/packages/ ./" | sudo tee -a /etc/apt/sources.list`(compresses all the packages and connects to the debian server)

→ `sudo apt-get update`(Installs the latest updates and variations of nubisave)

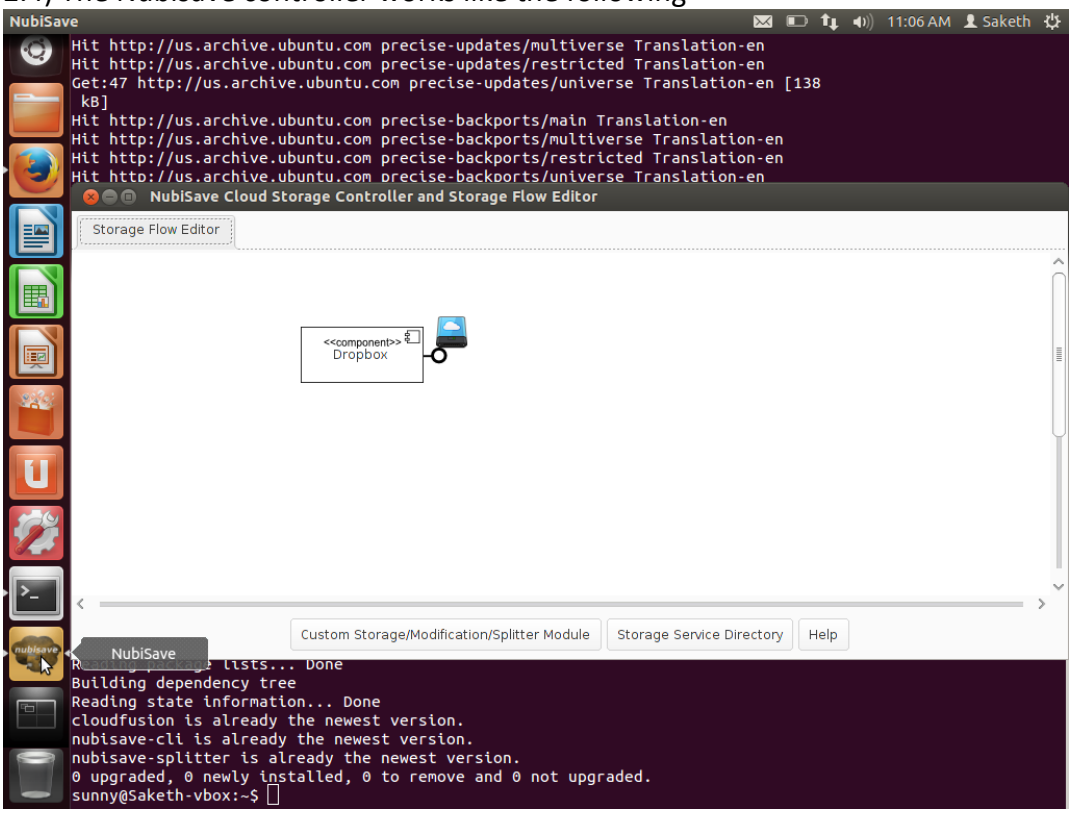
→ `sudo apt-get install nubisave # complete set`(installs the complete set of the Nubisave package directory and automatically upgrades any data to the next level)

→ `sudo apt-get install nubisave-cli nubisave-splitter cloudfusion # headless setup` (installs the cloudfusion splitter module which enables users to mount their cloud onto an online server like dropbox or sugarsync through mountpoint.

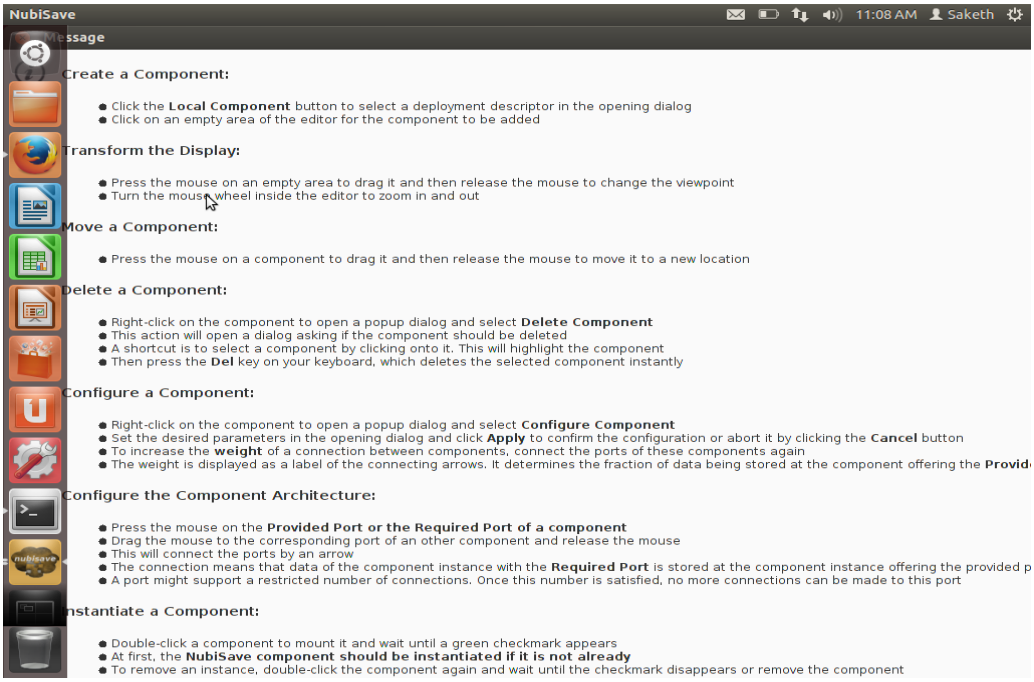
2.3) Now that Nubisave is completely installed in the system, open it to know a few features about how it works and learn it through the website or the help inside the Nubisave storage controller.



2.4) The Nubisave controller works like the following-



2.5)For getting help you can refer to the help message bar in the NubiSave cloud storage controller flow editor.

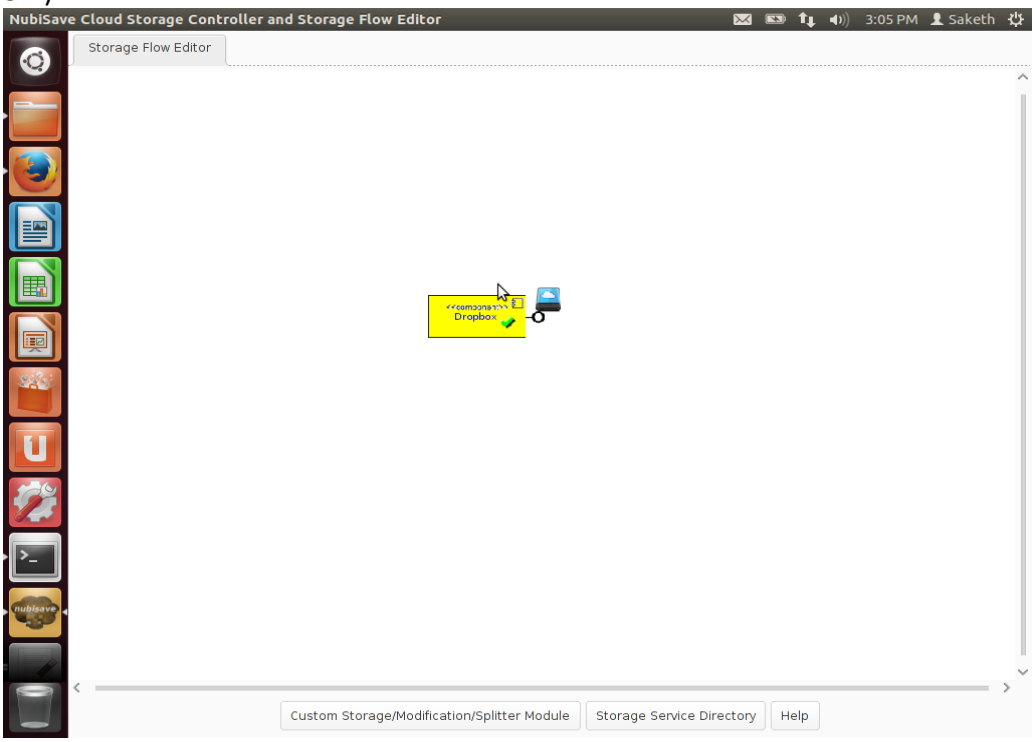


Now that you have added the component on to the NubiSave controller, it's activated when you right click on it as mentioned in the above Help message bar.
So, after you do it, it shows a green arrow and a marking on it to specify that it has been mounted.
Since, we use dropbox for cloudfusion , we have to configure it and add it to the web cloud server space.
To really configure and activate it onto the system, you need to provide your Cloud server's authentication details and configure it for it to work on the Nubisave Controller.

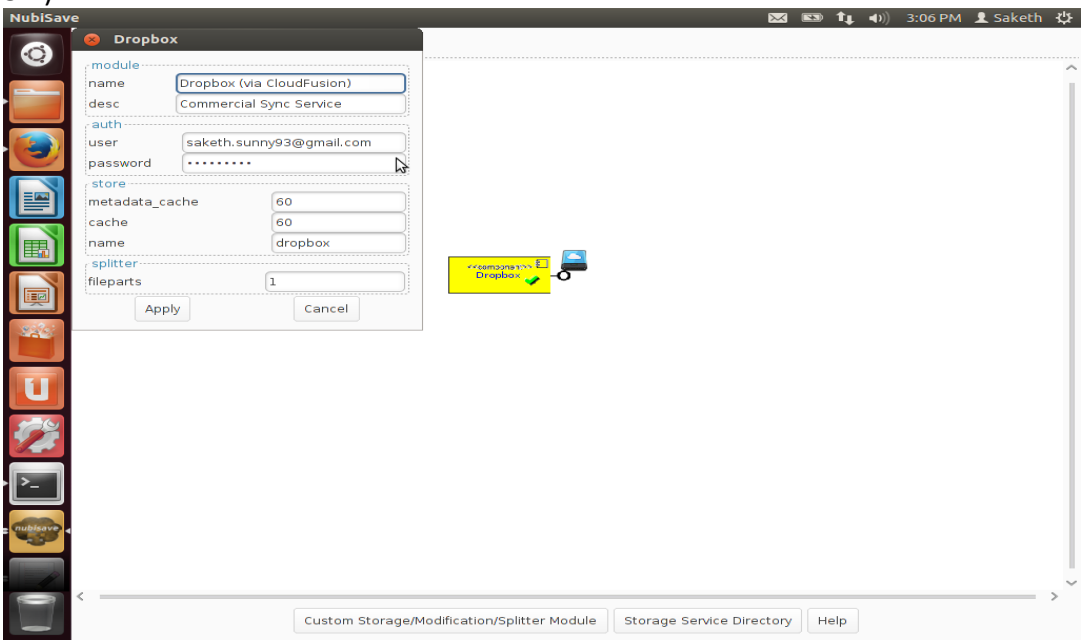
3. Configuration-

The following are the steps to configure it prior to its authentication.

3.1)



3.2)

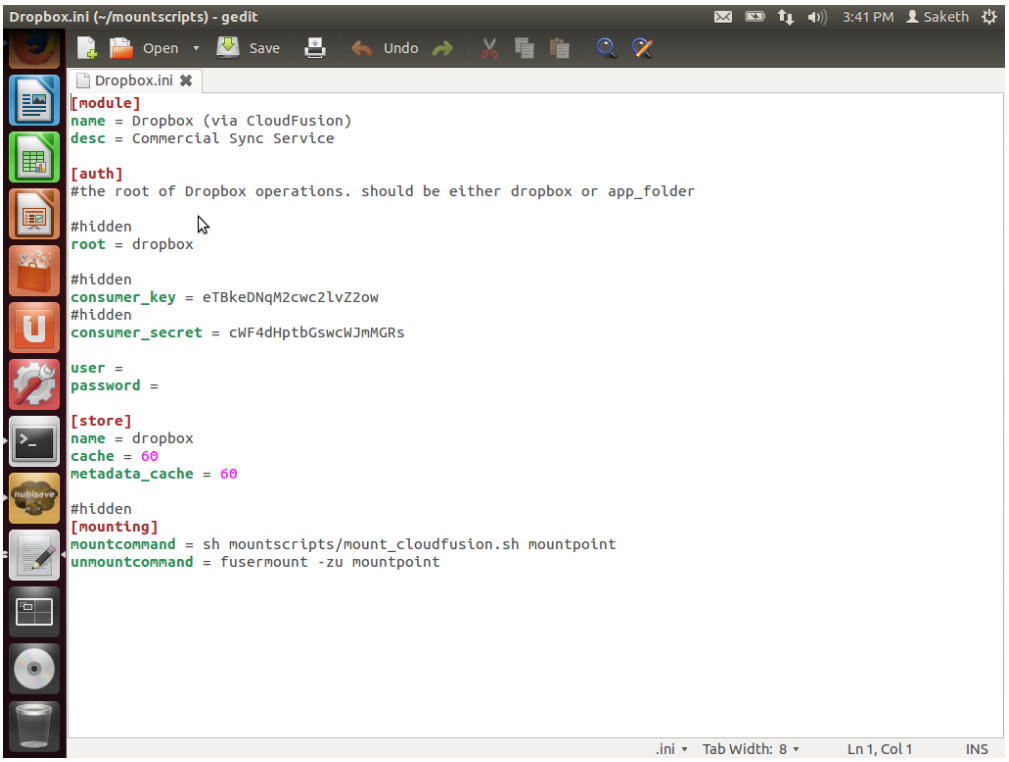


Once you update into the real system, it saves ini files and those are the ones that store the information for the particular server. Let us see the file for dropbox.

To access it in the editor via cloudfusion and mount it, we should use the following command-

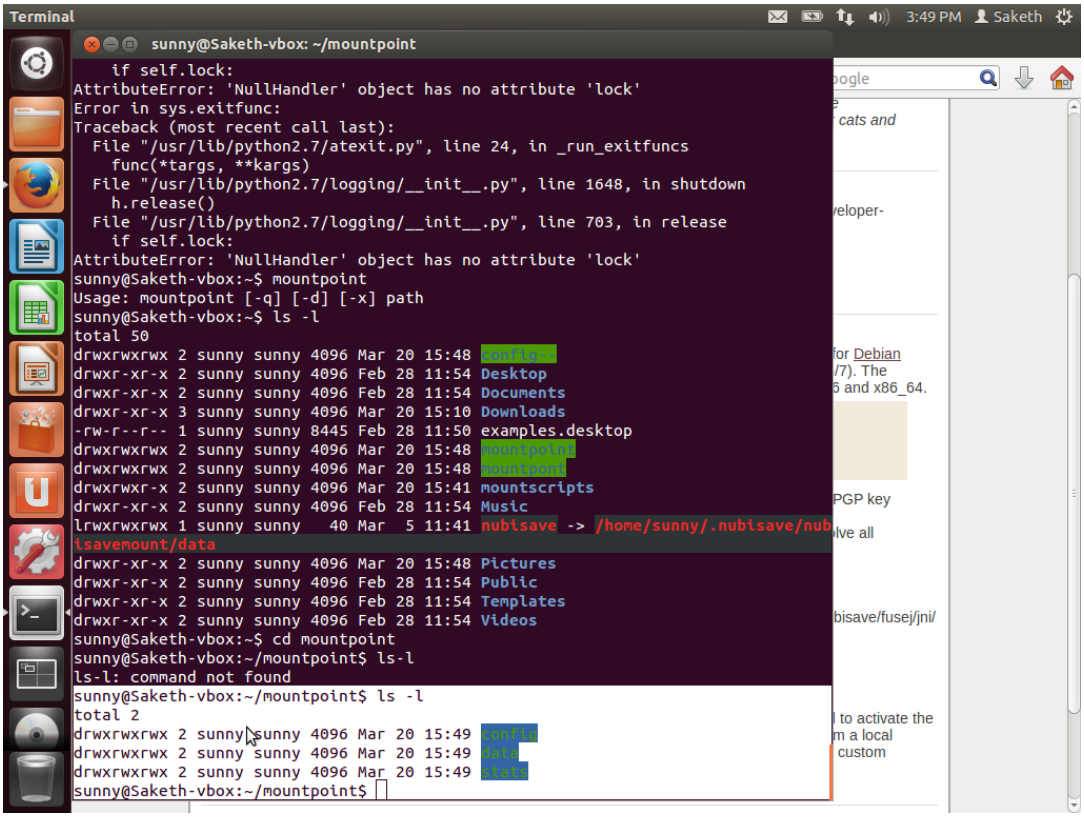
```
cloudfusion --config/usr/share/nubisave/splitter/mountscripts/dropbox.ini
```

The .ini file of dropbox can be viewed as the following.



4. **Editor**-

The next step that follows is configuring it on the editor.
Once all the installations are done and it is ready to be configured, you open mountpoint to find three different files called Data, Stats and config.
->Data consists of any data that is actually stored in the file.
->Config has all the messages about the file like a metadata.
->Stats is something that has a list of all the uploaded data, errors occurred and the virtual data that is present in the model.



Now, let us see what the file config contains through a pictorial demo.