IPFS STORAGE API

IMPLEMENTATION DOCUMENTATION

# STEP 1: IPFS Initialization

Initialize your ipfs to start working on your system

1. Install go-ipfs on your machine, download and unzip .tar file into your system from <https://dist.ipfs.io/#go-ipfs>
2. Depending on your machine follow the instructions on the given site to add path to your machine. <https://docs.ipfs.io/guides/guides/install/>
3. You can check if ipfs in working on your system or not by typing command on your machine::

Ipfs help

1. Next initialize ipfs on your machine using command

Ipfs init

1. You can check you data shared on the ipfs directory by visiting the Web UI after initializing daemon on your machine.

Ipfs daemon

1. Check your ipfs shared content and uploading and downloading speed on the site once you have initialized the daemon. Initializing the daemon would make your machine to act as a node on the ipfs network.

http://127.0.0.1:5001/webui

# STEP 2: cloning the project from github

 You can clone your repository to create a *local* copy on your computer from github

1. On GitHub, navigate to the main page of the repository using this link.

<https://github.com/aditya-vaish5/ipfs-storage-api>

1. Under the repository name, click **Clone or download**.

Clone or download button

1. In the Clone with HTTPs section, click Download ZIP for the repository.



# STEP 3: Setting up the API on the machine

1. Unzip the directory into a folder.
2. Install and run a local mongodb server on machine by using the instructions form here https://docs.mongodb.com/v3.2/tutorial/install-mongodb-on-windows/ .
3. Download NodeJS package from <https://nodejs.org/en/download/>
4. Double click on the downloaded .msi file to start the installation. Click the Run button in the first screen to begin the installation.
5. Complete the installation and follow the commands
6. Open the folder in which you have upzip the downloaded directory in the command line by using cd command.
7. And execute command below to install dependencies in the project.

npm init

1. Then execute the following command to run the API

Node app.js