

# IPFS

## Installation for Linux

1 - Download the package

```
wget https://dist.ipfs.tech/kubo/v0.31.0/kubo_v0.31.0_linux-amd64.tar.gz
```

2 - Unzip the file

```
tar -xvzf kubo_v0.39.0_linux-amd64.tar.gz
```

3 - Move into the kubo folder

```
cd kubo
```

4 - Run the install script

```
sudo bash install.sh
```

5 - Test the installation worked

```
ipfs --version
```

## Editing the config

Show Config:

```
ipfs config show
```

Change connection count

```
ipfs config Swarm.ConnMgr.HighWater 1000 --json
```

```
ipfs config Swarm.ConnMgr.LowWater 500 --json
```

Enable filestore (Allow import with no copy)

```
ipfs config --json Experimental.FilestoreEnabled true
```

```
sudo systemctl restart ipfs
```

```
ipfs config Experimental.FilestoreEnabled
```

## IPFS as a service

Open a new file at `/etc/systemd/system/ipfs.service`

```
[Unit]
```

```
Description=IPFS daemon
```

```
After=network.target
```

```
[Service]
```

```
ExecStart=/usr/local/bin/ipfs daemon
```

```
Restart=on-failure
```

```
User=conor
```

```
Group=conor
```

```
Environment=IPFS_PATH=/home/conor/.ipfs
```

```
[Install]
```

```
WantedBy=default.target
```

`WantedBy=default.target` means the service will start up at boot

get it to start at boot

```
sudo systemctl enable ipfs
```

and start it

```
sudo systemctl start ipfs
```

## Usage

Check filestore is enabled and working

```
ipfs config Experimental.FilestoreEnabled
```

List files in filestore

```
ipfs filestore ls
```

Import files to filestore

```
ipfs add --nocopy --recursive --cid-version=1 /path/to/your/folder
```

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