

IPFS

설치 및 **API** 테스트

백석대학교 강윤희

IPFS 환경구성

초기화

- ipfs init

IPFS 환경구성

데몬 시작

- ipfs daemon
- Initializing daemon...

자료 추가

```
$ ipfs add alice.pem
```

Error: cannot connect to the api. Is the **daemon running**? To run as a standalone CLI command remove the api file in ` \$IPFS_PATH/api `

```
$ ipfs add alice.pem
```

```
added QmYezjSSrsVvXLT6nt4eECgRgtLwPmZp6PmsRZcCZRKaTy alice.pem
```

```
1.64 KiB / 1.64 KiB [=====]  
100.00%(base) yunhuis-MacBook-Pro:CDM Yunhee$
```

자료 확인

```
$ ipfs cat QmYezjSSrsVvXLT6nt4eECgRgtLwPmZp6PmsRZcCZRKaTy
```

```
-----BEGIN RSA PRIVATE KEY-----
```

```
MIIEowIBAAKCAQEAAw0nNUiK/4AyAu4CMNC5Qeplj+Q5QNTFMVxJDEgPT1UI7  
Vw8n
```

```
MvUK3NF1VfKxS0pdkQPsnNb/XnTV5zSOp2dyW06oAiv6ZZr9bN5NWY/zBIGIE  
V44
```

```
IX0/a7Lz/OdrKU3owescNHoD3OIHWY0JilSgB8A5ej/QvLNeTo98Uk/iBOVR8rW
```

API: ipfshttpclient

자료추가

```
import ipfshttpclient
```

```
client = ipfshttpclient.connect('/ip4/127.0.0.1/tcp/5001/http')
```

```
res = client.add('alice.pem')['Hash']
```

```
print (res)
```

```
QmYezjSSrsVvXLT6nt4eECgRgtLwPmZp6PmsRZcCZRKaTy
```