FED

IDE used : netbeans and eclipse(why is there any reason)

Operating System : Linux(Cent OS)(dependent or not)

Platform : I-Am

Services : Online(why only online)

Encryption

Offline

Encryption

Decryption

Database : sqlite (reason)

Frontend : Java

Backend : C++

Working :

- Controller.cpp is the main program which is the main program which handles all the execution.

- In FED application we provide mainly two services ie.Online Encryption and if the user is offline then he can do encryption and decryption .

- For encryption and decryption purposes it uses AES(advanced Encryption Standards) algorithm and for that use 128 bit key and IV(initialization vector).

- CryptoPP library used for encryption and decryption.

- application saves one copy of encrypted and decrypted file.

- Failed in encrypt and decrypt files are also saved in db.

- while encryption we add one header at the beginning of encrypted file data and remove that header from file data at the time of decryption.

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