

## Storage

Private:

\_ownerToFiles: mapping(address=>File[])

\_hashToIndex: mapping(address=>mapping(string=>uint256))

Private:

min(first: uint256, last: uint256): uint256

Public:

<<event>> FileStored(index: uint256, name: string, size: uint256, mimeType: string, hash: string, uploadTime: uint256)

<<event>> FileShared(to: address, index: uint256, name: string, size: uint256, mimeType: string, hash: string, uploadTime: uint256)

<<event>> FileRemoved(index: uint256, name: string, size: uint256, mimeType: string, hash: string, uploadTime: uint256)

storeFile(\_name: string, \_size: uint256, \_mimeType: string, \_hash: string)

getFilesCount(): uint256

getSingleFile(\_index: uint256): File

getAllFiles(): File[]

getRangeOfFiles(\_startIndex: uint256, \_endIndex: uint256): File[]

shareFile(\_to: address, \_index: uint256)

removeFile(\_index: uint256)

isFilePresent(\_hash: string): bool

<<struct>>

File

index: uint256

name: string

size: uint256

mimeType: string

hash: string

uploadTime: uint256