

Security Algorithms Protocols

PROJECT

ANDROID APPLICATION

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Proposal

Project name : Repos

Objective : Create an file hosting android app, to share files by introducing encryption techniques.

Description :

We have many file hosting services and the one majorly used is github. Github allows us to share files, they are public and anyone can see it. In fact that's the purpose of it - open source, yes there is an option of making private but that's a paid service and there comes my idea of Repos.

Repos Application is a file hosting service, like github, We can share files of any type. One can only see that the file exists but not the contents of it . Here I am using technique of encryption to encrypt contents of the files. If someone tries to open the files it just shows encrypted ,unlike github.

If owner wants anyone to access the files, owner could just share the passcode. Except the members with passcode, nobody else would be able to access the files. Though files are visible publicly, the owner's permission is required to access the files.

One would have to create an account on repos to host the files . All the file contents are encrypted using RSA algorithm. An SQL server is setup and PHP is used as a server-side scripting language. Here, Java is used as main programming language for the development of Android application.