

OFF THE GRID (OT): A NATIVE iOS 9.3+ APPLICATION WITH END-TO-END ENCRYPTED GROUP AND PRIVATE CHAT

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OT is an iOS application written in Objective C and Swift that lets users have secure conversations. The app has multiple message delivery options like one-to-one chat, one-to-many chat and group messaging. The users on the app are authenticated using their email accounts and verified mobile phone numbers. The messages sent over any channel on OT are asymmetrically encrypted using the recipients public key stored on a server and decrypted using the users private key stored locally on the iPhone. The app also lets users truly delete messages (removing the message from the database) allowing users deniability on their side and adding security to conversations.