

# Student Seminar: Exploiting Two Factor Authentication of Android and IOS

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## **Abstract**

Applications which can be used in different platforms (e.g. PC, phone, tablet) now use two factor authentication (2FA) to allow users to conveniently switch from one platform to another. For example, when a user tries to login his gmail, it is not enough to enter correct password (first factor), it is also necessary to enter a PIN which is received by an SMS (second factor). The aim of this project explaining the attacks against 2FA in IOS and Android devices and what it can be the solution.

## **1 Introduction**

### **1.1 2FA: 2 Factors Authentication**

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### **1.2 Smartphone and anywhere computing**