Contribution ID: **46**   Type: **not specified**

Cloud based mobile application security enforcement using device attestation API

Friday 5 November 2021 16:40 (20 minutes)

Abstract—Today the mobile devices are more and more present in our lives, and the mobile applications market has experienced a sharp growth. Most of these applications are made to make our daily lives easier, and for this a large part of them consume various web services. Given this transition, from desktop and web applications to mobile applications, many critical services have begun to expose their APIs for use by such application clients. But unfortunately, this transition has paved the way for new vulnerabilities, vulnerabilities used to compress cloud services. In this article is analyzed which are the main security problems and how they can be solved using the attestation services, meaning those services that indicate that the device running the application and the client application are genius.

Authors: CONTASEL, CRISTIAN (University Politehnica of Bucharest); Dr TRANCĂ, Dumitru Cristian (University POLITEHNICA of Bucharest, Computer Science and Engineering Department); Mr PĂLĂCEAN, Alexandru Viorel (University POLITEHNICA of Bucharest, Computer Science and Engineering Department)

Presenters: CONTASEL, CRISTIAN (University Politehnica of Bucharest); Dr TRANCĂ, Dumitru Cristian (University POLITEHNICA of Bucharest, Computer Science and Engineering Department)

Session Classification: Network Security && Pervasive Systems and Computing

Track Classification: Network Security