

Secure Mobile Application/Content Delivery

Motivation

In our connected world many objects of trade are no longer physical but digital, essentially blocks of digital data are sold and transferred.

For a marketplace to work the buyer, seller and marketplace operator must be sure that everyone correctly plays their role.

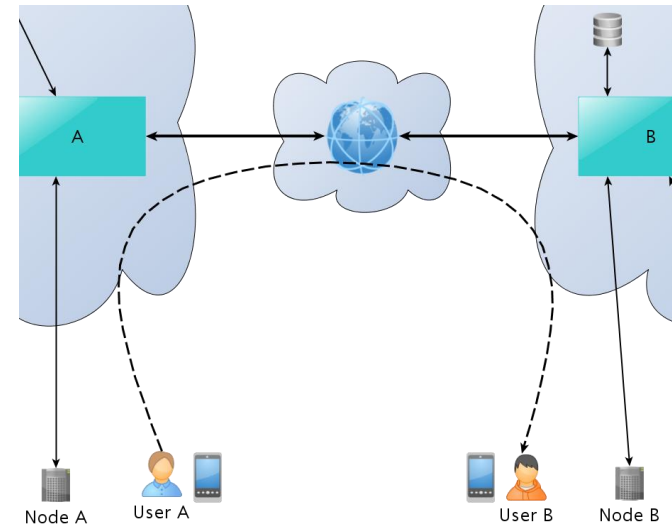
Successful trades deliver the verifiable unmodified data to the correct buyer, while ensuring privacy of the transaction from third parties.

Project Description

This project examines the security of application or content delivery such as Android applications purchased from a marketplace.

With the use of Trusted Computing technologies and protocols certain platform security properties can be assured.

In this project a framework for security hardened data delivery and exchange is prototyped, for desktop PC Intel Trusted Execution Technology (TXT) as well as small ARM TrustZone enhanced platforms.



Deliverables

Source of developed prototype.

Written documentation of approach, use case and comparison with previous efforts.

Scope & Credits

The effort and credits of this project are scalable

Advisor / Contact

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