Security of NFC telephones

Mark Vijfvinkel & Aram Verstegen
xxxxxxx 4092368

Abstract

Finding bugs in large pieces of software is traditionally done by testing a finite set of input data. This is both time-consuming and inaccurate, because not all execution paths can be tested in a reasonable amount of time. A recent development is the application of formal methods while developing software to reduce the amount of bugs introduced to the software. ESC/Java2 is one of these applications; it is a tool that preforms formal static verification of Java code annotated with JML. This literary study into ESC/Java2 will look at how successful the application of ESC/Java2 is in the verification of Java source code by looking at several case studies and properties of ESC/Java2.

1 Problem

Your text goes here.

1.1 Research question

What are the known and forseen vulnerabilities of NFC applications for mobile phones?

1.1.1 Subquestions

What is the architecture of NFC-enabled mobile phones?

What are some of the known vulnerabilities in NFC or NFC-like applications?

Profit?

2 Scope

3 Strategy

More text.