

# Real time Alexa packets profiling analysis

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## ABSTRACT

Nowadays, the introduction of home virtual assistants like Alexa Echo or Google Home became a practice, just considering that over 27% of families owns one.

It's obvious that those devices simplified the life by creating a smart house with few money; but what's the impact these devices have on people privacy? There are a lot of cases in the United States in which the judge asked to Amazon to provide the recording done by the Echo Dot in order to find helpful evidences for the case; so, the question is: "It's possible to prevent the sending of sensible informations to the servers when the weak word is not pronounced?"

In this project we will profile each packet exchanged between the Alexa Echo and the Server in order to certificate the existence of data sending also when not expressly requested from the users.

## KEYWORDS

data analytics, alexa, packets profiling

## 1 INTRODUCTION

TODO