

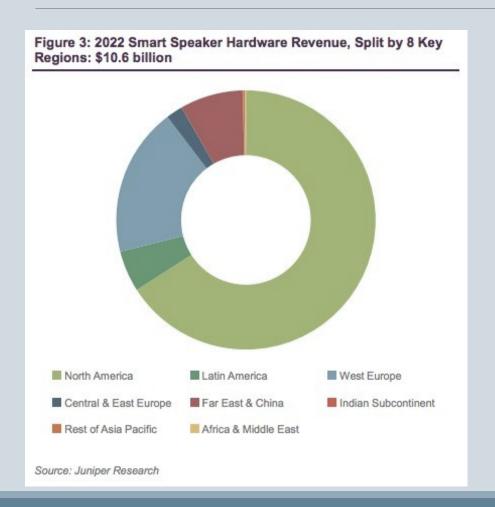
# Platform for Investigating Privacy Concerns In Intelligent Voice Assistant

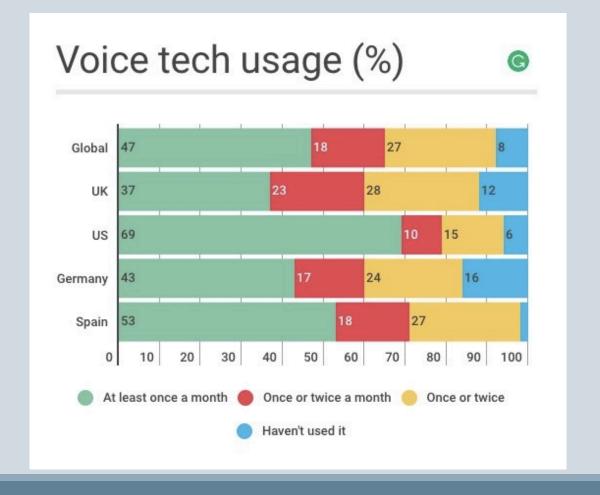
RAHUL LAO

#### Virtual Voice Assistant

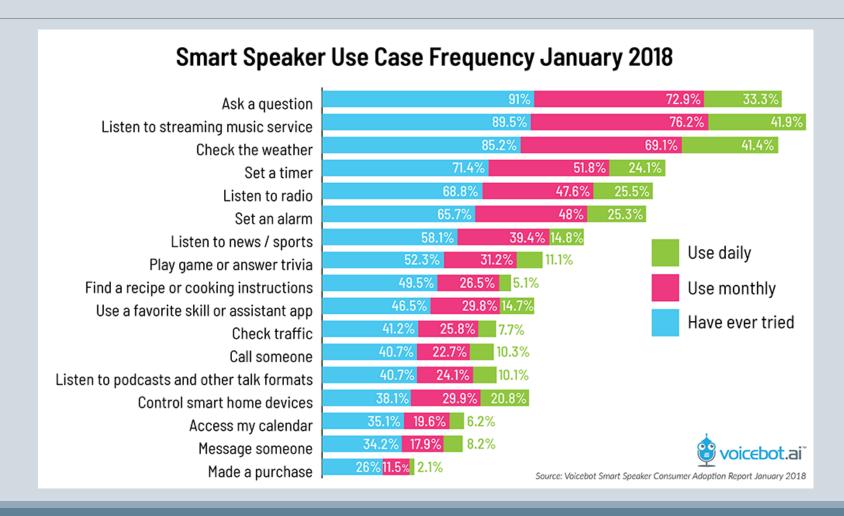
A virtual assistant, also called AI assistant or digital assistant, is an application program that understands natural language voice commands and completes tasks for the user.

# Revenue And Usage (%)

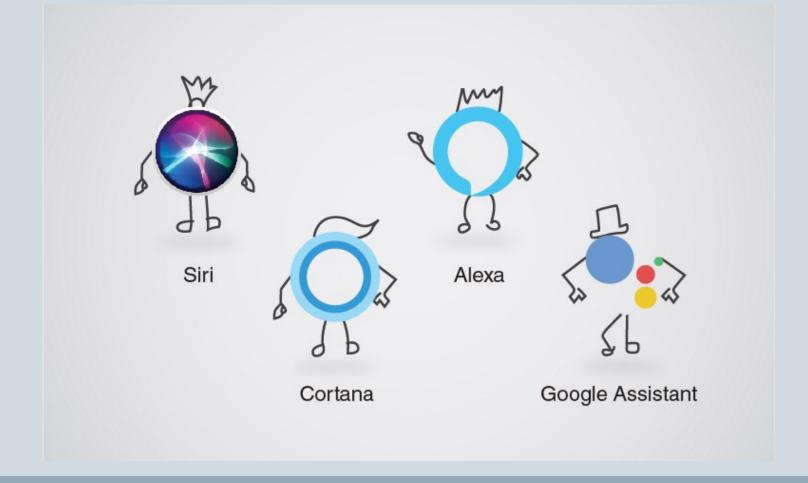




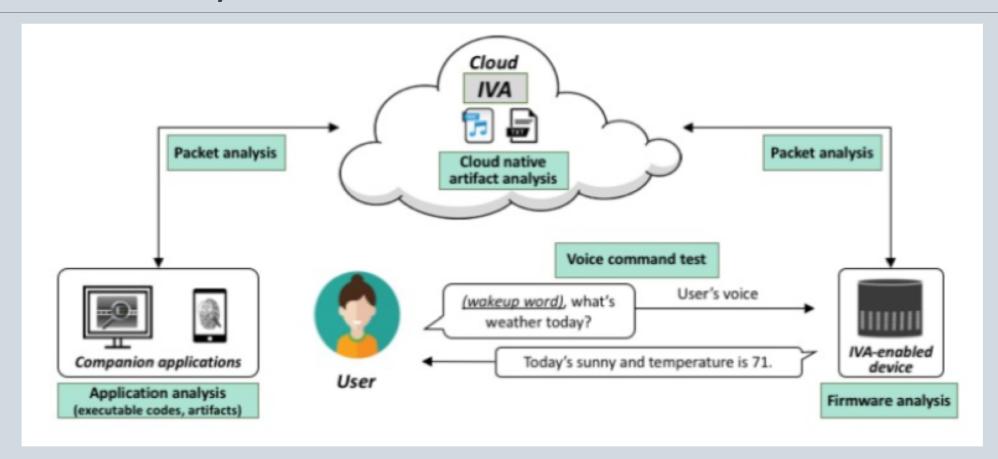
#### Use Cases



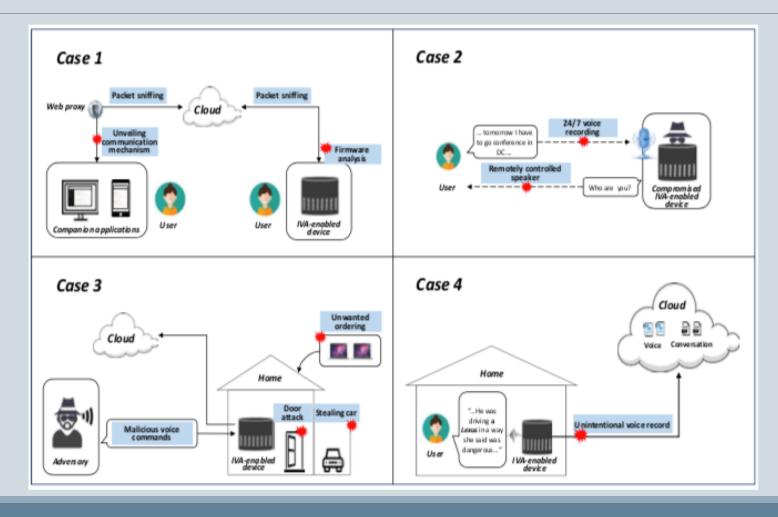
# The Big Four



# IVA Eco System



# Rogue IVA



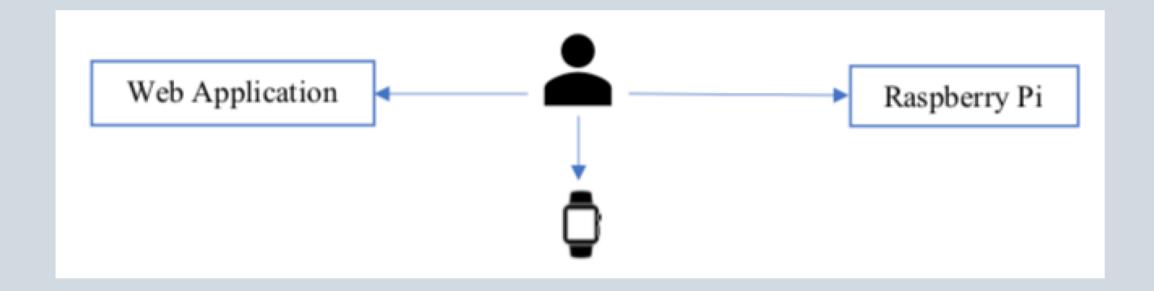
## Privacy Concerns

- O Who actually owns user's data?
- Owner or the digital assistant vendors do?
- Can the vendor give any third parties access to user data?
- What level of technical skill might be sufficient to hack into user data?
- o Is there a retention policy for user data?
- Can a user allow another user to access their data?

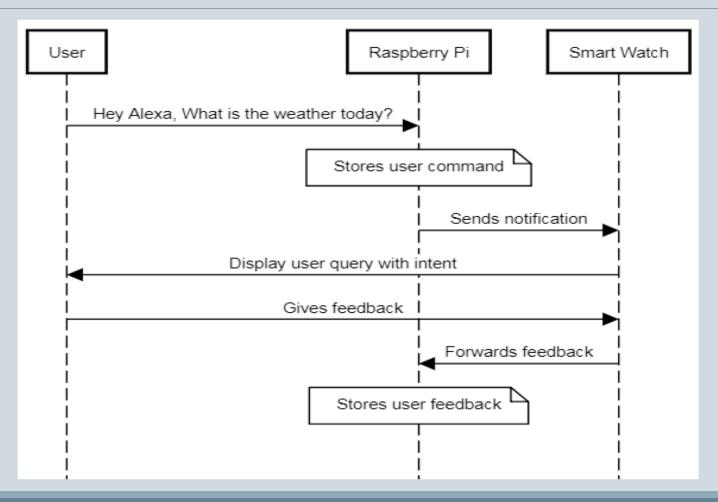
### Goal

Our goal is to develop a platform that can be used to capture user voice commands which can be later used to perform studies related to privacy issues with intelligent voice assistants.

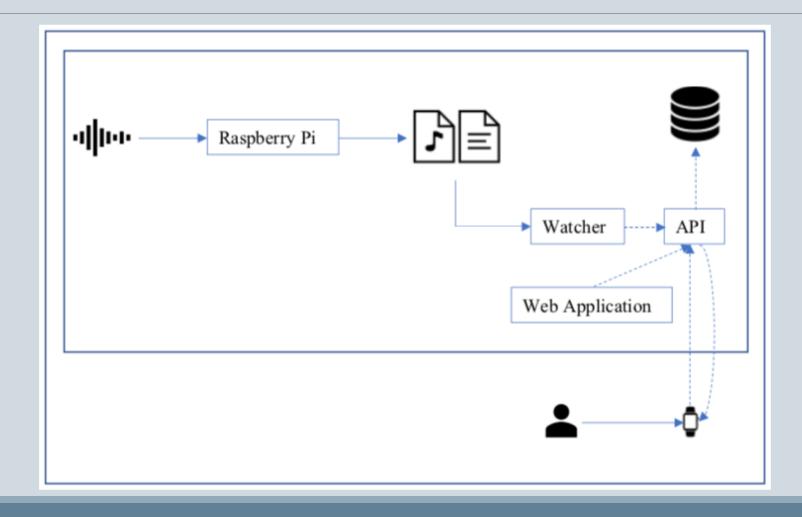
## Main Components Of The Platform



# Sequence Diagram



### First Draft Of Platform Workflow



# Thank You