# fortiss

# Platooning Team

**V2V Communication** 

May 9, 19

# Content

- UDP Broadcast
- V2V Message Structure
- Transition to the AF3 Model
- Message Filtering
- Implementation

#### **UDP Broadcast**

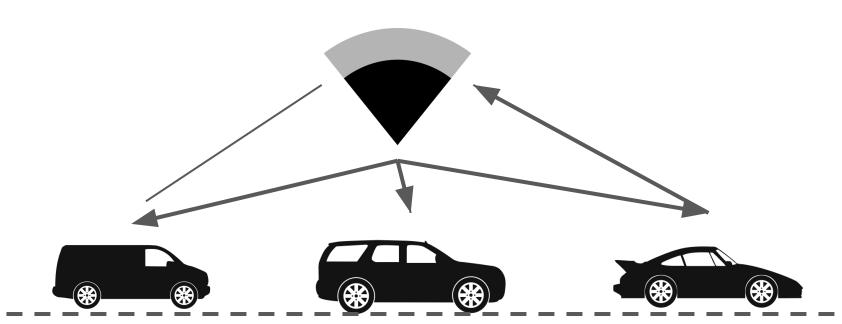
What is UDP?

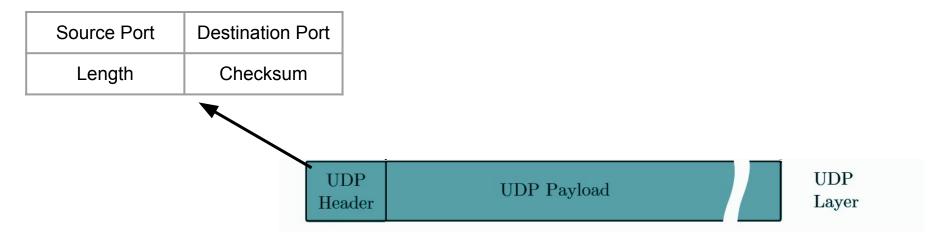
Why do we use UDP?

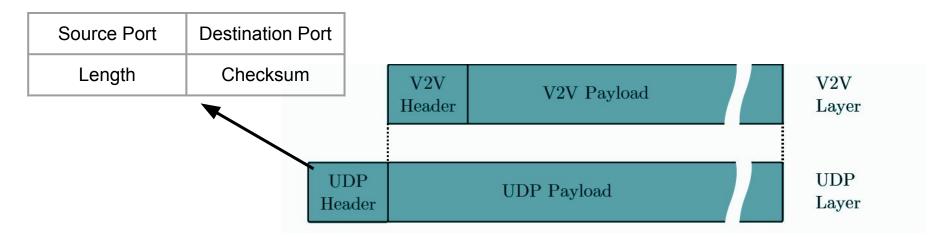
Broadcast messages

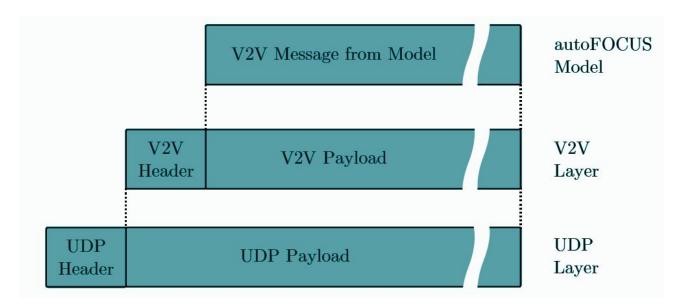


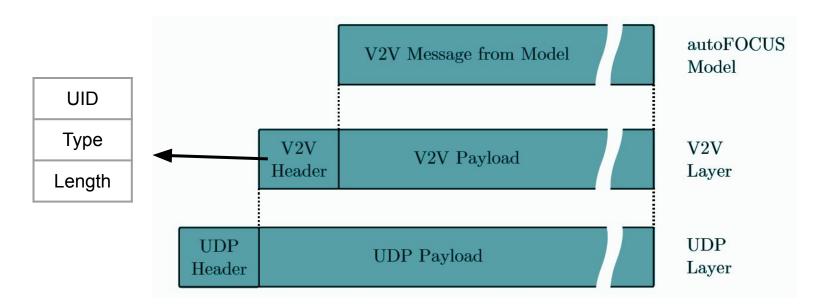
#### **UDP** Broadcast

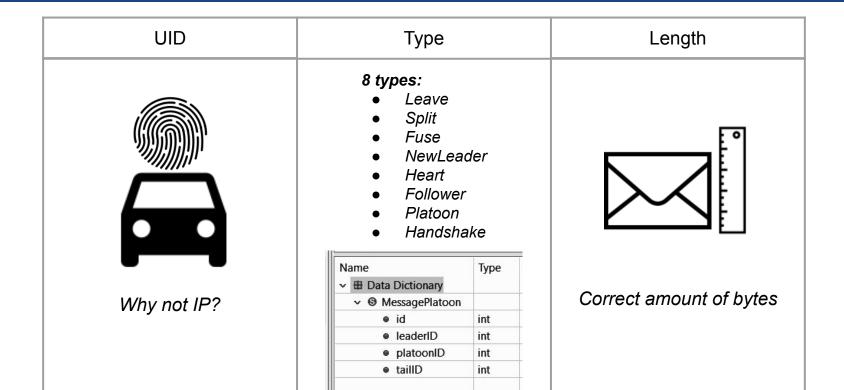






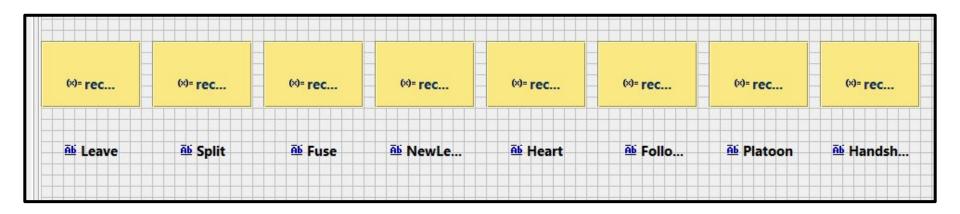






#### Transition to the AF3 Model

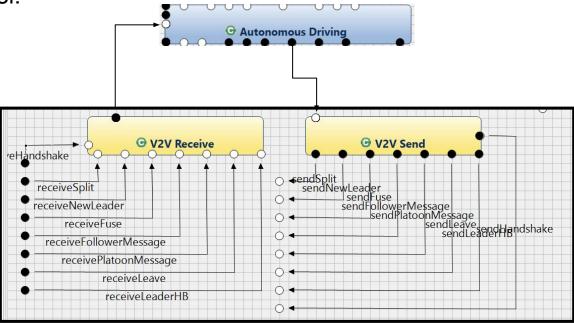
#### V2V Comm Simulator:



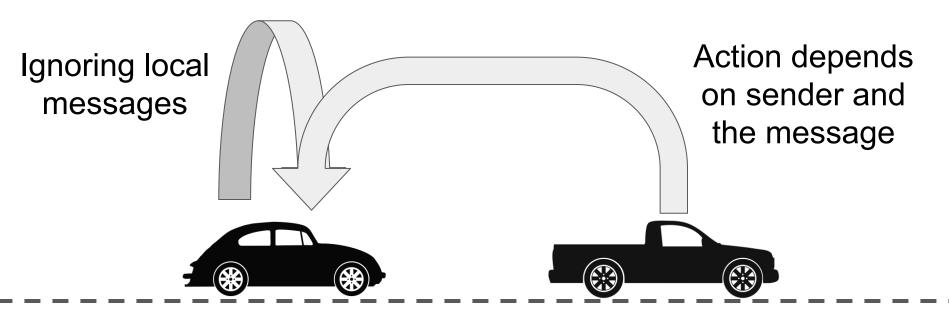


#### Transition to the AF3 Model

In the AF3 Model:



#### Message Filtering



### Implementation

Written in C for Raspberry Pi 2

