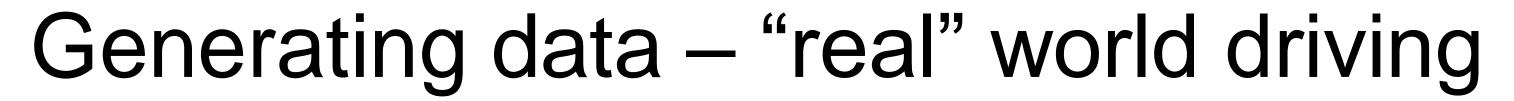


CCS Workshop – discussion questions on technology options

Gunnar Anderson – Development Lead at GENIVI

GENIVI Virtual Technical Summit | May 14, 2020







- Would it be useful to have the driving simulator to run easily?
- -> Collect data from multiple people
- Would you use it to provide data?





- Randomly generated data
- Are there technologies for doing this within certain constraints? ... or do we need to write some custom code
- > cangen, can generate random data can-utils... https://github.com/linux-can/can-utils https://manpages.debian.org/stretch-backports/can-utils/cansend.1.en.html

Alternative technologies



- In addition to W3C Gen 2 protocol, what other technologies should we try?
 - Propose protocols
 - -> ? MQTT + payload definition
 - Propose databases NoSQL style databases? Which ones?
 - Propose frameworks Ditto (Eclipse)?





- Can you propose technologies for measuring performance?
- Technologies for throttling bandwidth down (for testing)
- ... for introducing faults / corruption

Evaluating the implementation(s) - security



Discussion topic for CCS workshop

- Can you propose technologies for security testing (fuzzing)?

Growing the PoC – high volume



- Nowadays cloud deployment is 99% about containers...:-/
- Demo PoC already plan to "package" components using **Docker**, for easy reproduction and perhaps testing all parts on a single PC
- But what about large scale deployments?
- → Other container tools (Kubernetes, etc.) are required, and server maintenance etc.
- Do you have experience to share -- can you be part of the implementation?



- To drive the implementation of a use-case we need input
- 1. Categorize data into privacy-sensitivity categories
 - Is there some starting point?
- Use-case to implement and demonstrate?
 - Scrubbing of identifiers...
 - User consent...
 - User consent withdrawal what happens?
 - -> data retention
 - EU privacy guidelines?
 - Workshop proposal study CAMP project V2X privacy/anonymization aspect?