Contents

This presentation will provide a brief introduction to the underlying methods for application access to vehicle information and control:

- General problems
- Vehicle information access with the Automotive Message Broker
Problem with accessing information from vehicles
Automotive Message Broker (AMB) is a vehicle network abstraction system. It brokers information from the vehicle to applications with an extensible source and sink plugin mechanism that accommodates chaining systems together.

License: LGPL v2.1

Language: C++

Source: [https://github.com/otcshare/automotive-message-broker](https://github.com/otcshare/automotive-message-broker)

Project Page: [https://01.org/projects/automotive-message-broker](https://01.org/projects/automotive-message-broker)
AMB: Architecture
Source plugins

Source plugins aggregate data from hardware or other sources and provide them to the message broker.

- Multiple sources (GPS hw, CAN, etc) at the same time
- Sources can subscribe to data from other sources
- built in plugins include: example, websocket, wheel (G37), OBD-II
Routing Engine

The Message Broker Routing Engine routes and multiplexes data from the source plugins to the interested sink plugins.

Future Potential features:

- Plug-able
Sink plugins

Sinks listen to data and either act as an endpoint or act as a proxy for other interfaces (ie DBus).

- Multiple sinks can run at the same time.
- Built-in plugins: example, DBus, websocket
AMB: Car Level View
Demo and Q&A