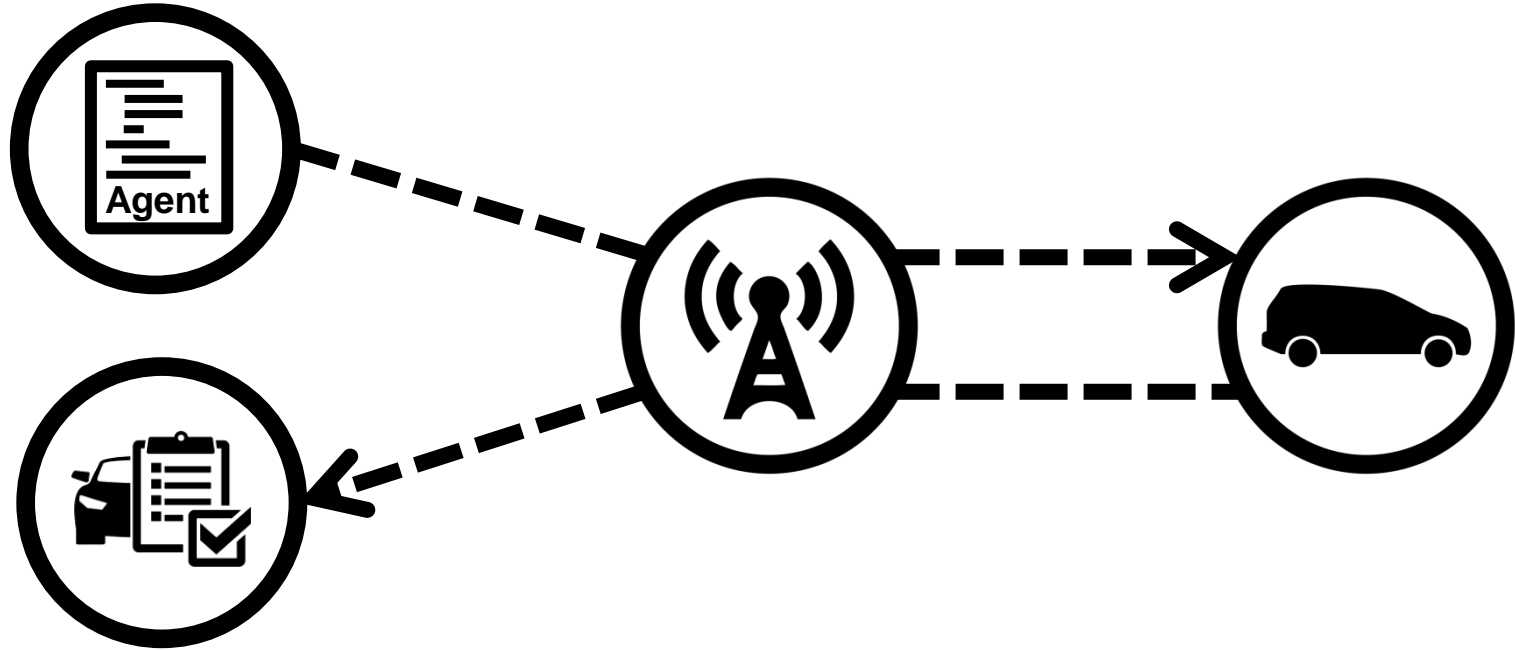


RVI - Dynamic Agents



Purpose



Deploy remote probes

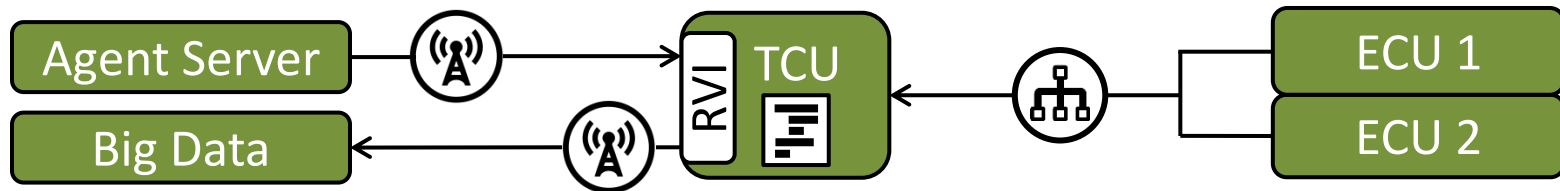


to monitor vehicles



and report results

Overview



Agent Server [Cloud]

Distributes dynamic agents over the air, using RVI, to vehicle TCUs

TCU [Head Unit]

Executes dynamic agents in background to monitor ECU data streams

Big Data [Cloud]

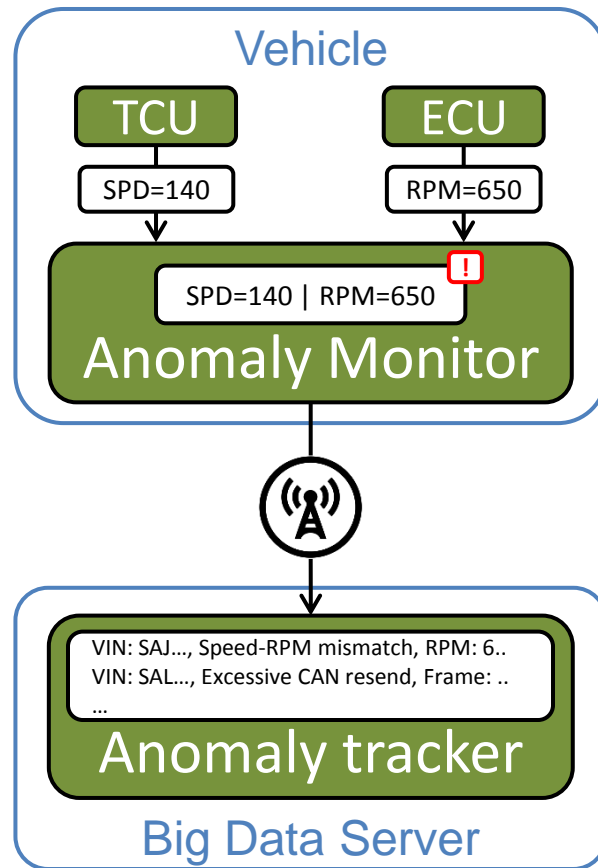
Receives and analyses reports transmitted from dynamic agents through RVI

Use case: Health Monitor

Anomaly monitor agent reads data from vehicle buses

Any anomalous data detected by the agent is reported to the big data server

Big data server profiles all incoming data to generate failure trends and analysis

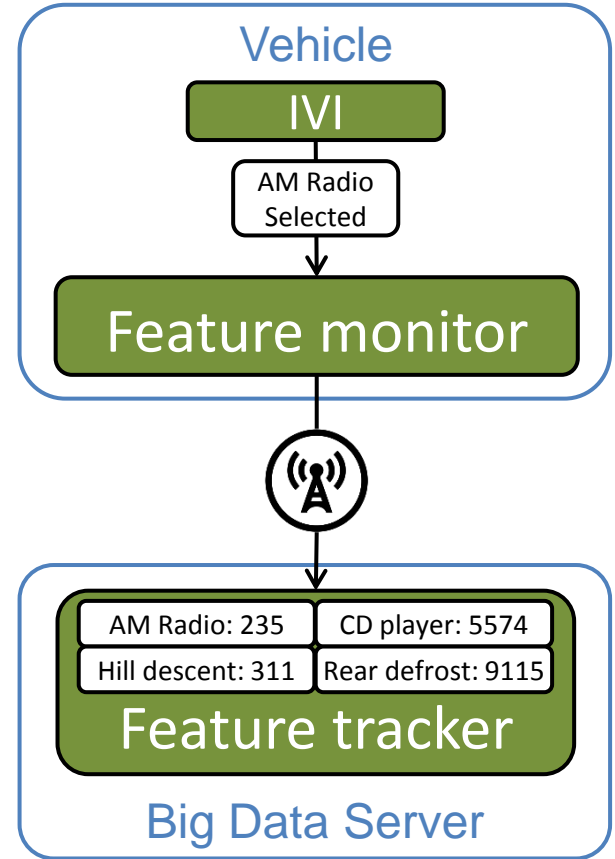


Use case: Feature usage

Feature monitor records all in-cabin feature usage

Periodic reports are sent by the feature monitor to the big data server

Feature tracker compiles report of fleet-wide feature usage

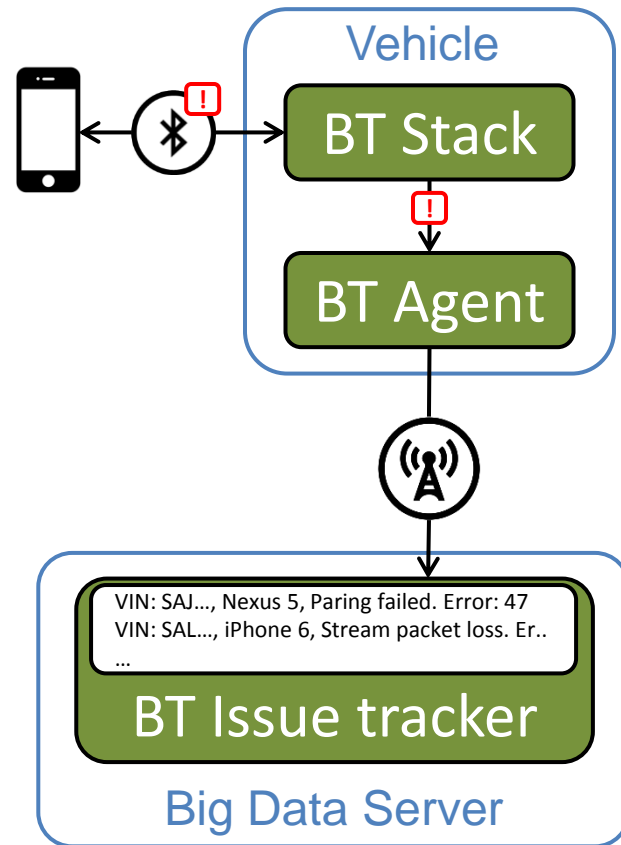


Use case: BT issue tracker

Bluetooth issue agent monitors pairings, streaming, and other possible failure points in the IVI BT stack

Any BT error is logged with circumstances and equipment ID

Error reports are transmitted to backend server for further analysis and bug fixes



Thank You

Magnus Feuer

Lead System Architect – Open Software Initiative
mfeuer@jaguarlandrover.com
+1-949-294 7871

