

# A simpler way to prototype, build & test vehicle software

RemotiveLabs is a <u>developer-centric & open platform</u> with easy deployment; from automotive HW/ECUs, test rigs, laptops, cloud and more. Left-shift with us & find a smoother way to develop software on ECU level.

- Take ownership of your development environment.
- Easy to integrate with other tooling including CI pipelines.
- Flexible and constantly evolving to cater to modern softare engineering.



Configure / control / run using the <u>Cloud Console</u> in the browser or command line using our <u>CLI</u>.

```
# Mount recording to be ready to play remotive cloud recordings mount 13204583977946970000

# Start playing remotive cloud recordings play 13204583977946970000

# Subscribe to signals remotive broker signals subscribe --signal Vehicle.Speed --namespace vss Subscribing to signals, press Ctrl+C to exit [{"timestamp_us": 1664787132223451, "name": "Vehicle.Speed", "value": 28}]
[{"timestamp_us": 1664787132277071, "name": "Vehicle.Speed", "value": 28}]
...
```

gRPC

**FCU** 

Supporting modern protocols:
CAN, LIN, FlexRay, SOME/IP,
Ethernet – enabled by .dbc,
.xml (fibex), .ldf and .arxml. E2E
protection and SecOC available.

**Software centric** - low frequency & high reuse

**Signal centric** - high frequency & low reuse

RemotiveBroker Runs on any Linux-based hardware. Full data logging and replay using your programming language of choice, e.g.Python, Rust, C++ etc. Use as software ECU, data logger, middleware for flexible prototyping & test rig enabler.

Get 30 days free evaluation period

RemotiveCloud Playback, realtime transforming fo signals. Simplify processes with useful plugins and integrations. Seamless & simple collaboration without touching the hardware.

Create a free account here

SOP/

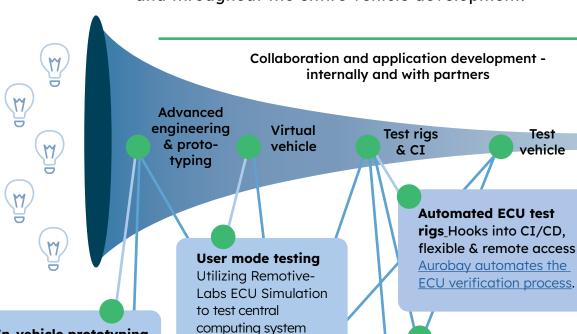
ready

vehicle



#### Use cases from early ideas to product

RemotiveLabs platform removes complexities from early stage ideation and throughout the entire vehicle development.



#### In-vehicle prototyping Including trying new

ECUs / hardware and analysis of sensor data. Volvo Cars using Varjo VR-headset.

## Vehicle prototyping using ProtoPie

Efficient & great for concept validation. Feed ProtoPie with real vehicle data.

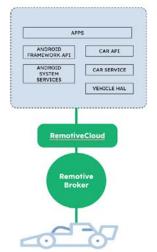
computing system as early as possible.

## **Innovative** prototyping & scale testing/verifiation

Find out how Capgemini uses RemotiveLabs to accelerate prototyping & add flexibility when moving rigs from desktops to HIL / Box-cars etc. Capgemini partnership.

**Android Automotive integration** 

infotainment testing and debugging with Covesa VSS signal: Volvo Cars developing with drive playback.



# Build test rig GUI with open

**source** Third party integration with Python PIP package. Jupyter Lab for simplified interactive backlight testing. Customize control SW according to a check-list.