

# Connected Car Ecosystem

Boost your connected car applications



1. SIMULATE



2. DEVELOP



3. OPERATE

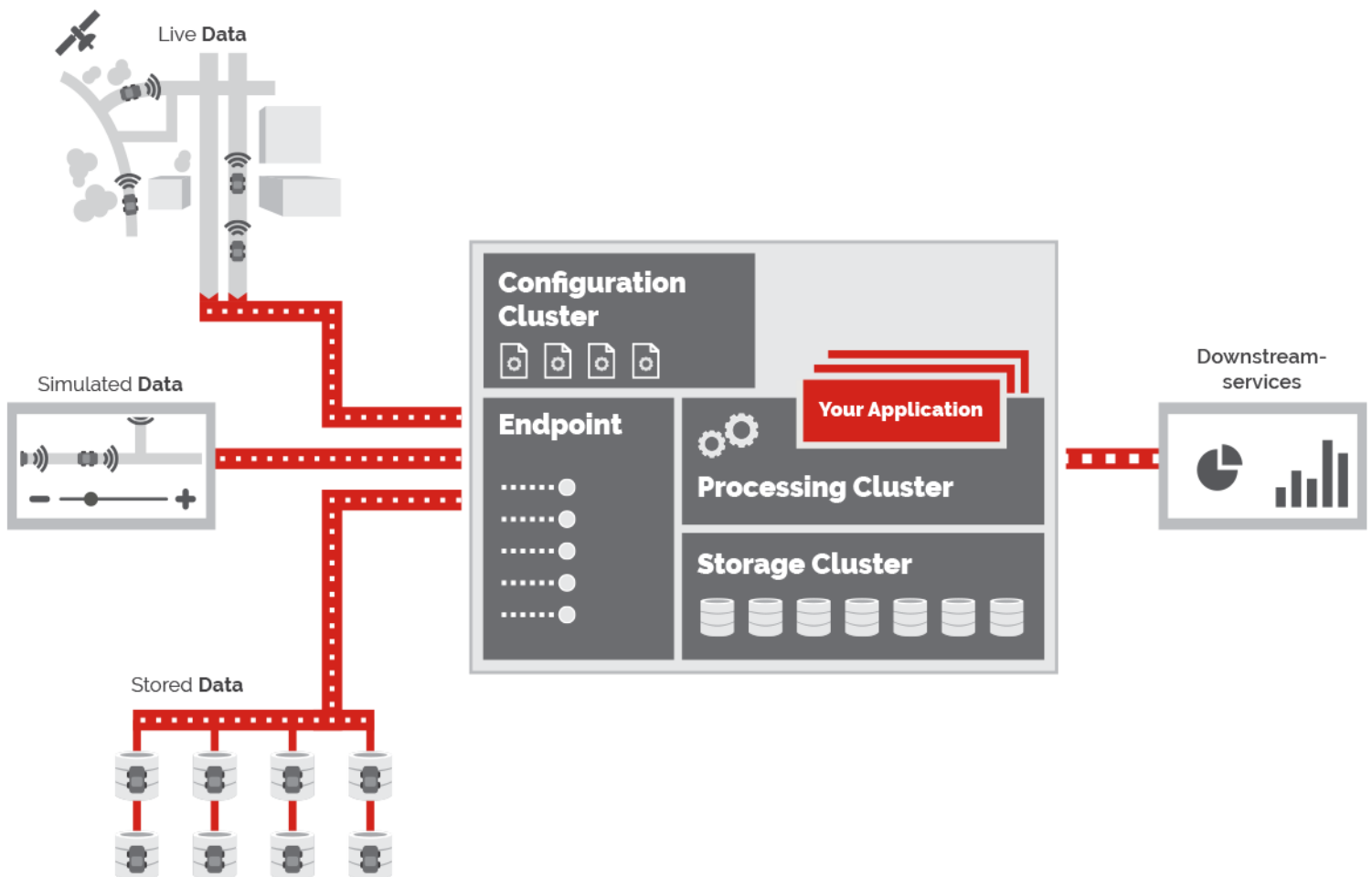


Abb.: Platform Architecture

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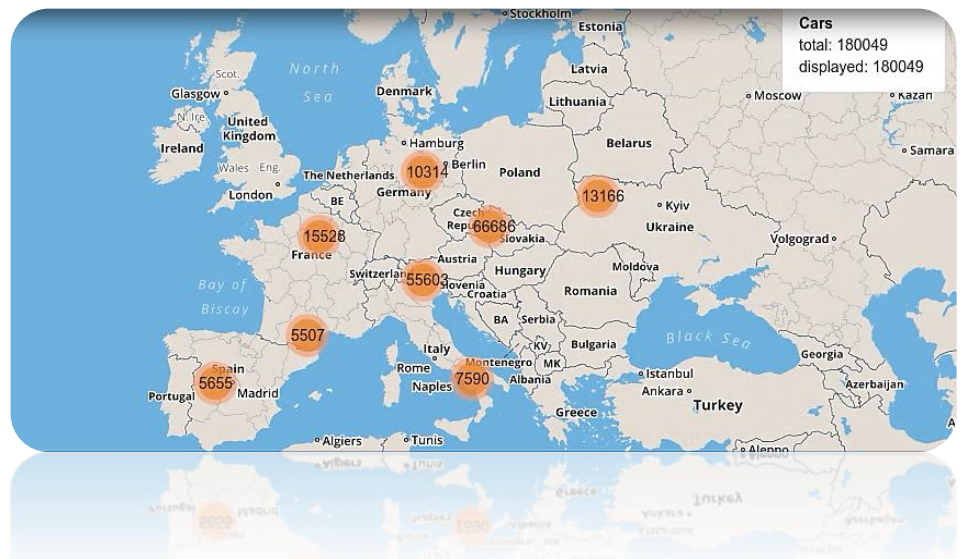
Catalysts GmbH, Gruberstraße 19, A-4232 Hagenberg, <http://www.catalysts.cc>

# Simulate

simulate continental traffic with 1 click!

Simulate trips, cars, events and roads to test your application, allowing realistic and real-time driver/vehicle interactions

- **Support for requirement engineering and testing**
  - 24/7 access
  - Speed up the simulation by a factor of 100+
  - Real time monitoring of app performance and load
  - Describes and executes your specific use/test cases
  - Sandbox
- **Real-time and realistic multiple-vehicle simulator**
  - Millions of trips simultaneously
  - From local to global
  - Scalable, flexible, configurable
- **Allows high quality simulation with flexible scenarios**
  - Simulates routes, events and sensor data
  - Statistically representative
  - In a realistic and an existing IT environment



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# Develop

Lets you create and test a mobility application in less than one hour

build your code on top of a contemporary and progressive connected car platform

- **Development Process**

- Efficient developer round trip by continous delivery
- Freedom to choose your programming paradigm
- Freedom to configure the API
- Keep a constant overview of your costs

- **What the platform does for you out of the box**

- 150.000 connections in one single thread
- Batching of data: put 150.000 messages into one single message
- Partitioning: Load balancing for data packages
- Near real time



# Operate

activate your application for millions of users with a single click!

Run, simulate and test your mobility application in a trustworthy industry standard environment

- **Safety**

- Realtime disaster recovery
- Update of all software components during runtime
- No single point of failure

- **Performance**

- Scalable and fault tolerant infrastructure
- No downtime even when cluster is reconfigured
- 1 mio events/messages of cars per sec with just 700 Watt



**CONTACT OUR CUSTOMER SUCCESS TEAM**

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