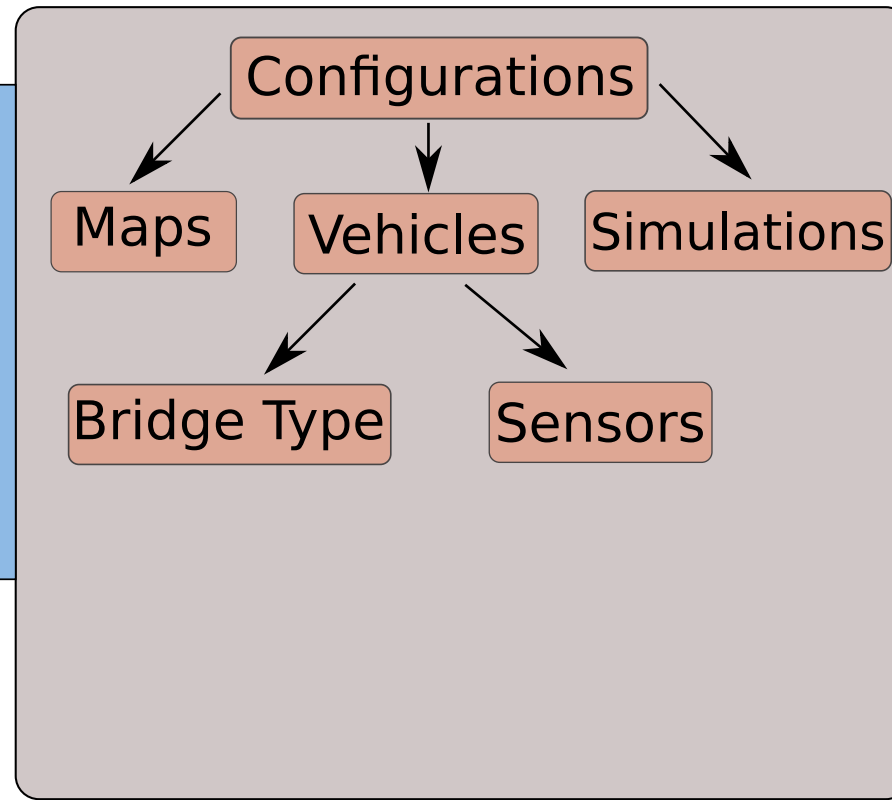


Web UI



http://localhost:8080

JSON

WebSockets

WebSockets



LGSVL Simulator



Simulated Environment



HDRP engine
Physics engine

Simulation Manager

UI Manager

Controller Manager

Sensor Manager

NPC Manager

Pedestrian Manager

Bridge Classes

ROS Conversions

Topics

ROS 2 messages

ros2-web-bridge

http://localhost:9090

node.js wrapper

ros2-web-bridge

Client

Data Collection

ROS 2 nodes

Evaluation