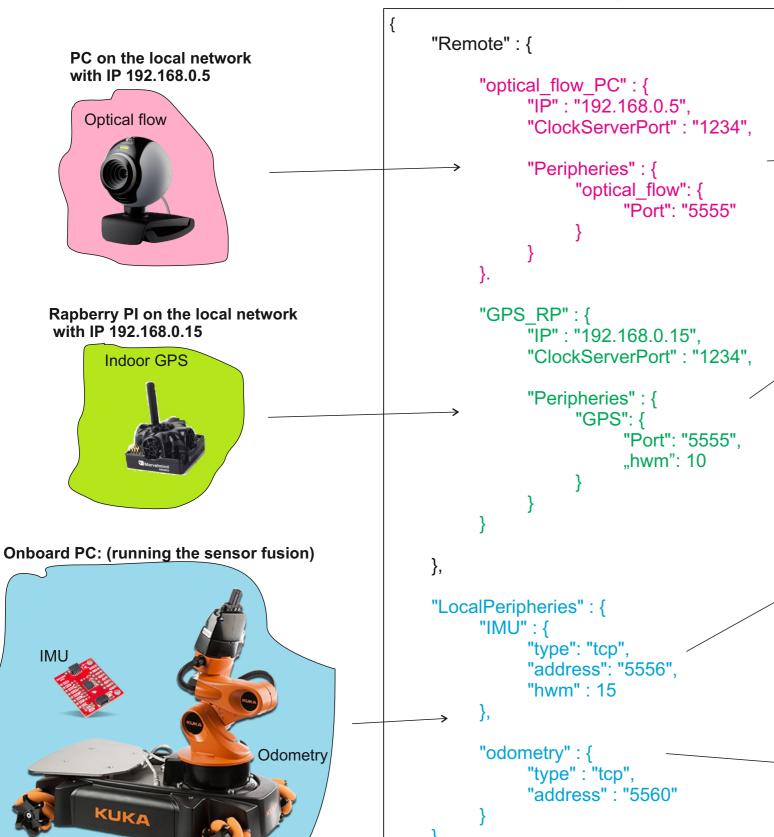
network_config_file.json



main.cpp - a periphery

```
#include "Periphery.h"
#include "ClockSynchronizer.h"
using namespace SF;
int main() {
     try {
             NetworkConfig n;
            n.Add("network_config_file.json");
             auto clockServer = InitClockSynchronizerServer(n.GetClockSyncData("optical_flow_PC"));
             Periphery p1(n.GetPeripheryData("optical flow"));
             while (true) {
                   // Get values (covariance matrix) from the sensor
                   auto v = Eigen::VectorXd::Ones(4) * 5;
                   auto S = Eigen::MatrixXd::Identity(4, 4) * 7;
                   p1.SendValueAndVariance(8, v, S, OUTPUT);
      return 0;
      catch (std::exception e) {
             std::cout << e.what() << std::endl; exit(EXIT_FAILURE);
```

(similarly)

main.cpp - a local periphery

```
#include "Periphery.h"
using namespace SF;
int main() {
     try {
            NetworkConfig n;
            n.Add("network_config_file.json");
            Periphery p1(n.GetPeripheryData("IMU"));
            while (true) {
                   // Get values (covariance matrix) from the sensor
                   auto v = Eigen::VectorXd::Ones(4) * 5;
                  auto S = Eigen::MatrixXd::Identity(4, 4) * 7;
                   p1.SendValueAndVariance(8, v, S, OUTPUT);
     return 0;
     catch (std::exception e) {
            std::cout << e.what() << std::endl;
            exit(EXIT_FAILURE);
```

(similarly)

main.cpp - the logger

```
#include "Logger.h"
using namespace SF;
int main() {
      try {
            NetworkConfig n;
            n.Add("network_config_file.json");
            std::string filename = "log_output.log";
            Logger I(filename);
            I.AddPeripheries(n);
            I.Start(DTime(2000));
            //Until your job is done...
            std::this_thread::sleep_for(std::chrono::milliseconds(3000));
            return 0;
      catch (std::exception e) {
            std::cout << e.what() << std::endl;
             exit(EXIT_FAILURE);
```