A COORDINATED FRAMEWORK FOR CYBER RESILIENT SUPPLY CHAIN SYSTEMS OVER COMPLEX ICT INFRASTRUCTURES

Securing Autonomous Driving Function at the Edge

REMOTIS is a **R&D project by Altran part of Capgemini** aiming to develop a remote intelligence edge computing vehicle, which is able to perform autonomous driving functions exclusively computed by the edge, taking advantage of 5G technology and Mobile Computing solutions for augmented computing capacity and low latency communication.

ENSCONCE is a **Multi-Access Edge Computing (MEC)** platform developed by Altran in charge of the orchestration of the services on the different nodes and the optimization of the computing capacity, supporting the real-time system global performances.

Edge computing
Remote Intelligence

Self-driving
Connected vehicle

5G
Low Latency & High reliability

Real-time
Data and Image transmision

Data is sent to the edge through 5G connectivity units.

OUR USE CASE

Within this context and taking advantage of **REMOTIS** and **ENSCONCE** in **5TONIC** our Use Case is aiming to:

- Implement **FISHY** paradigm combined with **EDGE** capabilities provided by **ENSCONCE.**

FISHY will enrich our framework allowing to enhance the cybersecurity of the **EDGE computing** and providing the required mechanism to move sensitive data to the cloud (identity) and secure the car abstraction through the **NED** abstraction.

THE FISHY PLATFORM

A holistic solution to:

- Ensure a homogenous and consistent continuous secure software development life cycle:
  - Address SW patching and risk in all components.
  - Independent from the Location.
  - Able to segregate in car and its components.
- Enables elaborate access management to Private Data ensuring anonymization and protection.
- Enforces security policies to address threats to Idenfiied security assets of the cars.

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