RSA : Project - 1st Evaluation
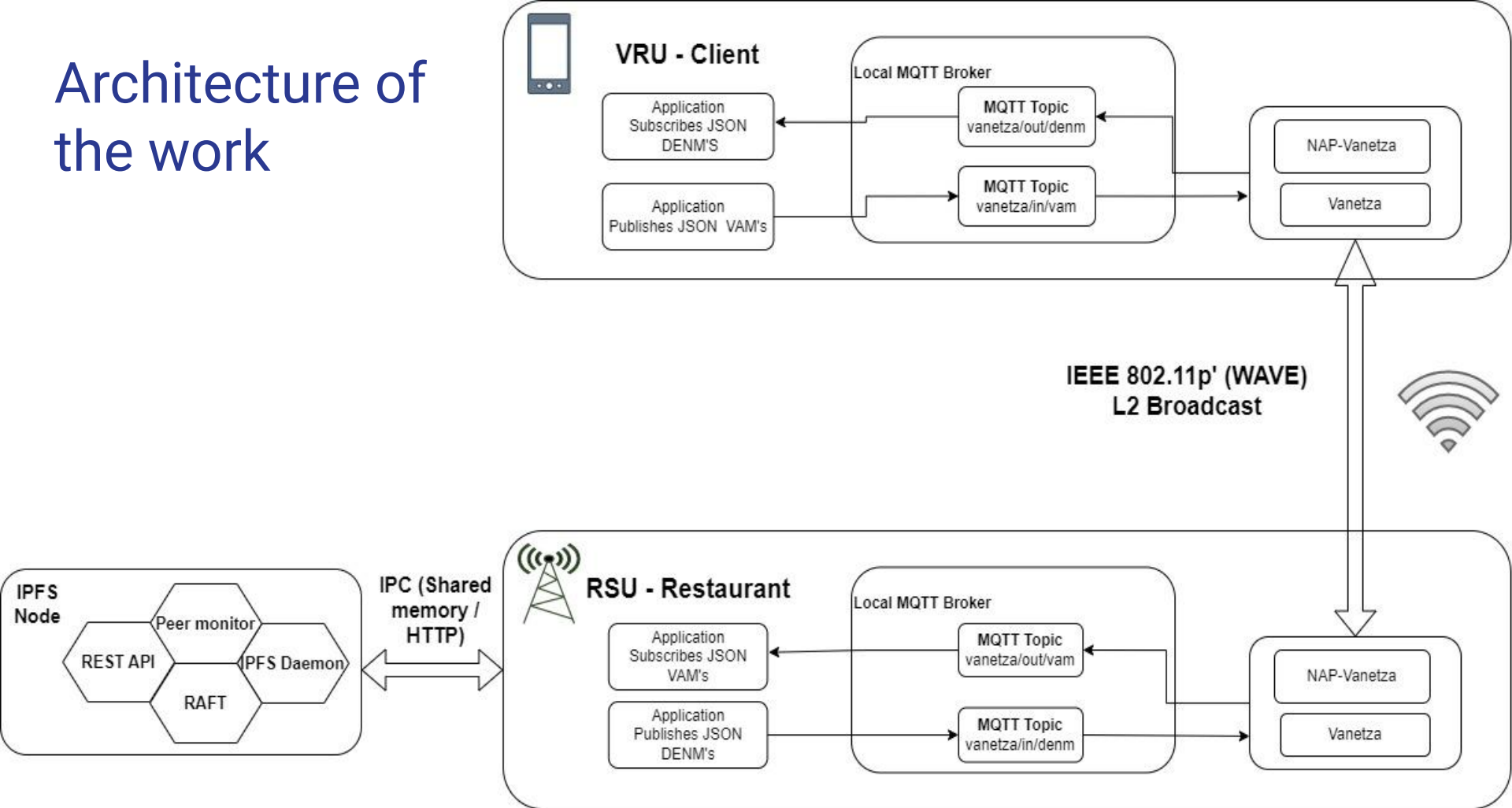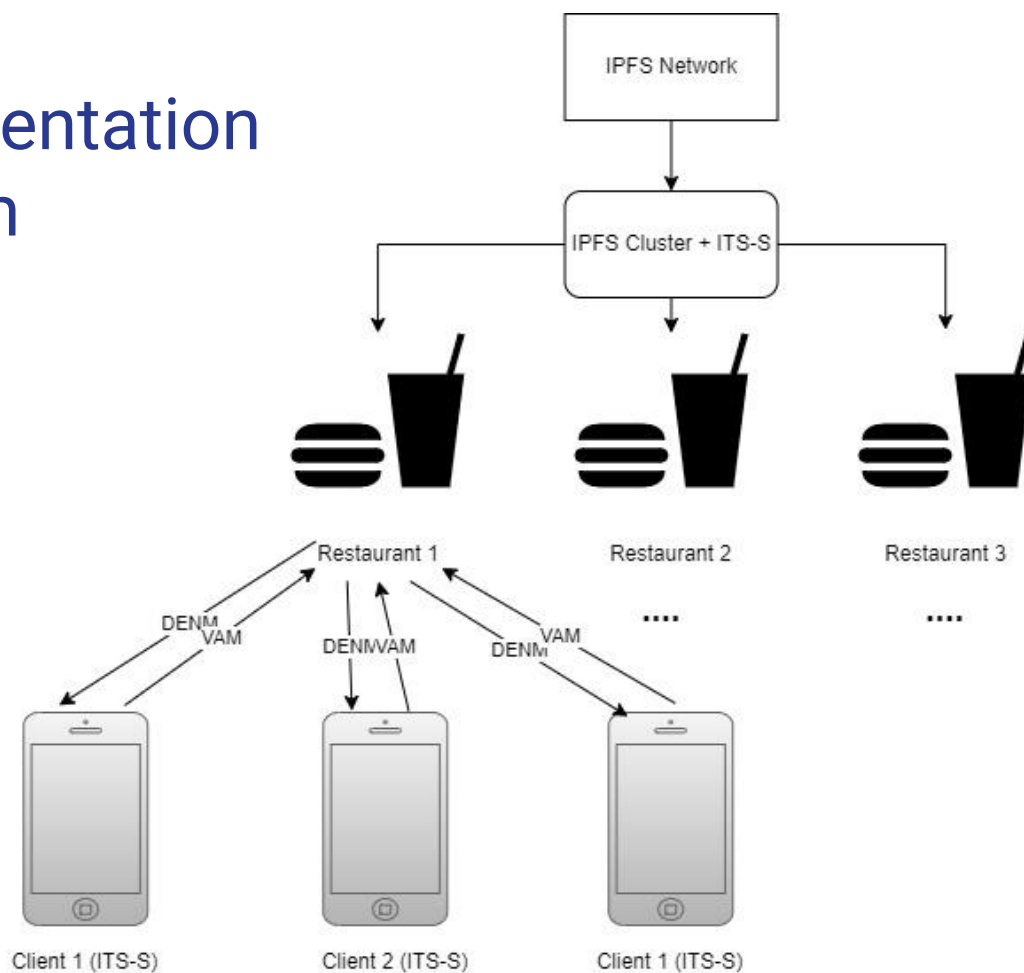
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Objectives

- Different approach for VANETZA
- Allow clients outside the restaurant area to access content related to the restaurant such as :
    - Number for available tables
    - Menu
    - Promotions
    - Partnerships
- For this, a cluster of restaurants must be implemented for distributed and fast information among clients
- Each person is a VRU
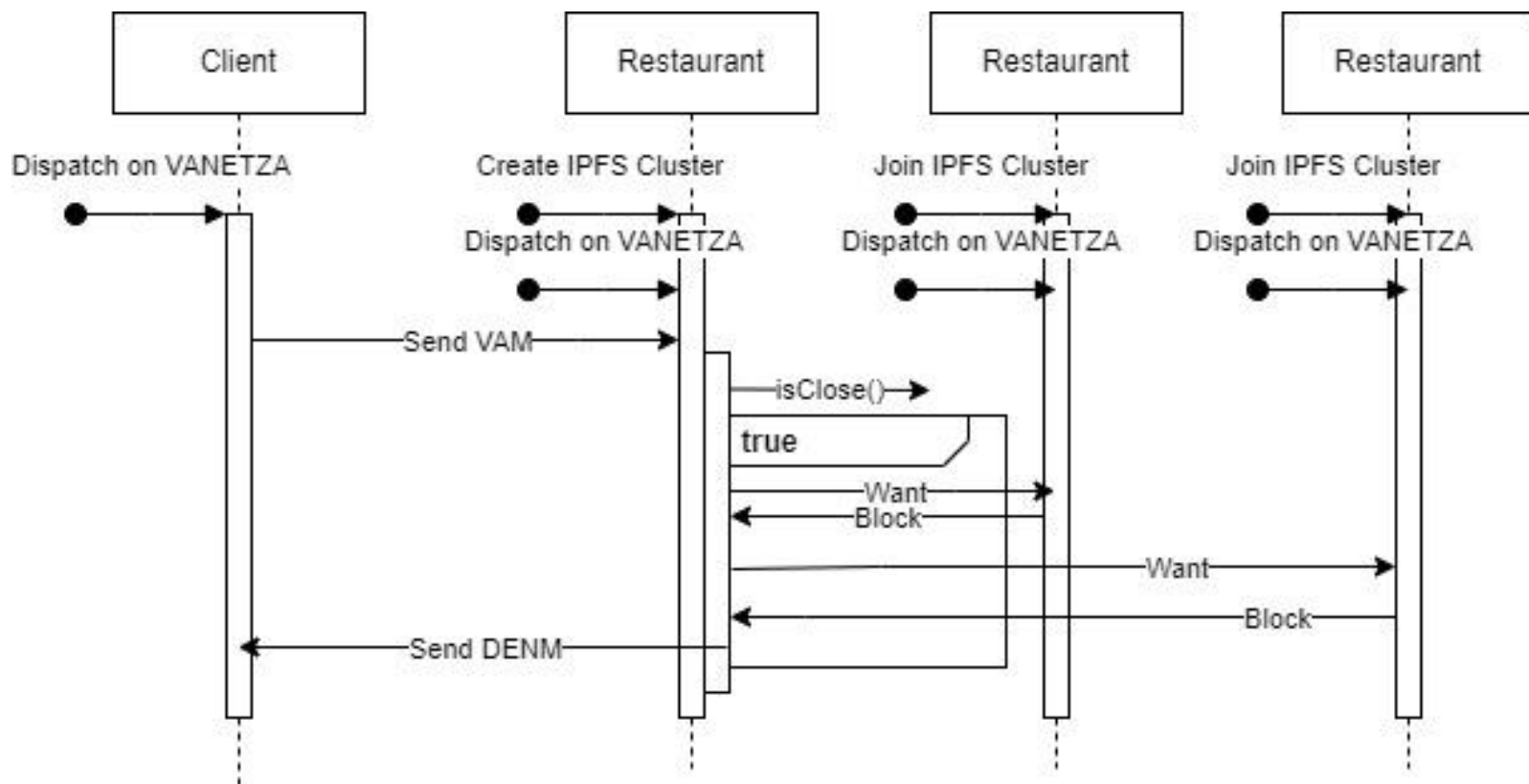- Each restaurant is a RSU/IPFS node

Architecture of the work

Implementation diagram

Timeline

- Firstly, the clients/Restaurants need to be added and dispatched to the IPFS cluster, as well as the VANETZA network
- Periodically, the clients should send VAM's
- Upon reception of VAM's, the Restaurants should process that message and decide if the VRU is close to the restaurant or not
- If it is, it should ask for the other IPFS nodes to send their information
- Afterwards, the node should send an asynchronous message, such as DENM, to inform the VRU

Preview (live demo)