

# Proposal

## Performance evaluation of mobility protocols

### Team:

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### Roadmap:

07.03.16: Installation and setup of OMNet++, INET framework and HIPSim++

14.03.16: Learning OMNet++ and the frameworks.

21.03.16: Understanding mobility protocols (HIP, MIPv6)

28.03.16: Write scenarios for MIPv6

04.04.16: Write scenarios for HIP



11.04.16: Prepare intermediate Report

18.04.16: Presentation of intermediate report

Onward: Refining scenarios and report based on the feedback.

### Concepts

Host Identity Payload/Protocol, Mobile IPv6.

In case of radio network, the addressing of a mobile node can take place in multiple ways:

- IPv6 adds roaming capabilities to the mobile node.
- HIP, a technology for identification of hosts in IP based networks.

### Measurement setup

We'll use OMNet++ with the INET framework and HIPSim++.

### Documentation

<http://www.omnetpp.org/>

<https://inet.omnetpp.org/>

<http://www.ict-optimix.eu/index.php/HIPSim>

<http://ipv6.com/articles/mobile/Mobile-IPv6.htm>