

# Study on techno-economics of HIP deployment

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# Motivation

**HIP is moving from experimental to standards track...**

**...so some level of real-life deployment is expected.**

- But what are the chances that HIP really gets deployed?
  - What could hinder or boost deployment?
  - Are the incentives of key stakeholders aligned?
    - I.e., is the business case positive for everyone?
- And how could we facilitate deployment?

# Important questions

- In which use cases there is a real need for HIP?
  - What is the anticipated scale and purpose of use?
  - What kind of deployment scenarios have been identified?
- Which actions are required to get HIP deployed?
  - End-points, networks, middleboxes,...
  - What is the status of deployment in real life?
- Which actors are involved/interested?
  - Primary: Required for deployment
  - Secondary: May boost/disturb deployment
  - What are the costs/benefits for each relevant actor?
- Which are the most important deployment bottlenecks (or tussles)?
  - What could hinder deployment?
- Which scenarios support deployment?
  - For example both ends of e2e communication in same hands

# Objective: Internet-draft

- Individual contribution by IETF 81
  - To get comments and raise discussion
- Focus on techno-economic issues
  - Analysis about deployment bottlenecks and stakeholder incentives
- Method: interviews and/or questionnaire study
  - ISPs (+ other actors operating networks/DNS servers)
  - OS vendors
  - Companies using VPNs
  - Who else?