Communication between a HIP-enabled Host and a Legacy Host

draft-cao-hiprg-legacy-host-00

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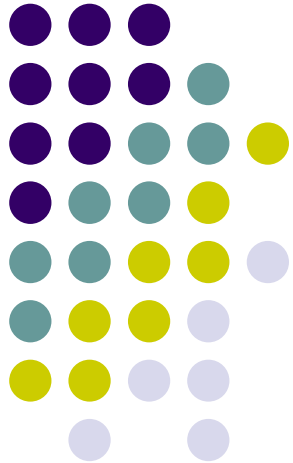
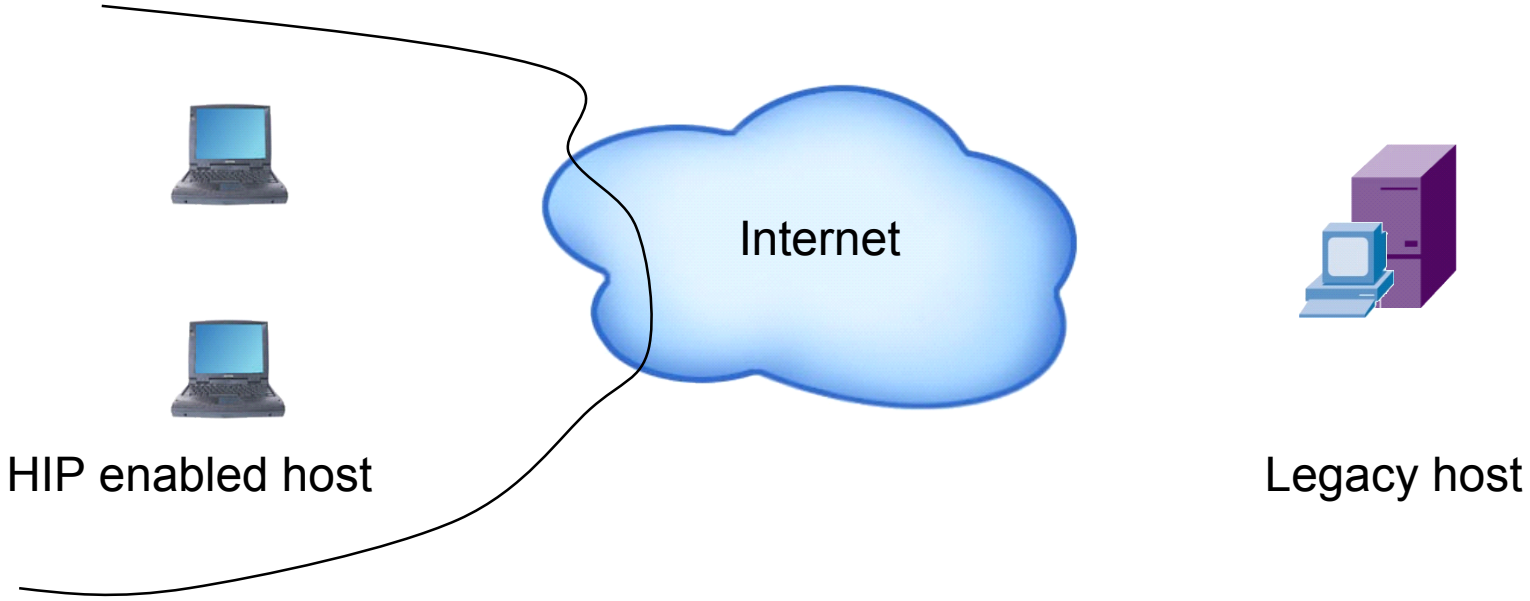
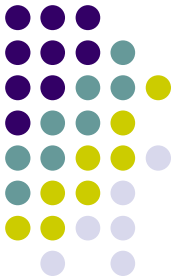


HIP Evolution – Initial phase



- Some hosts are HIP enabled while most Internet services are not HIP aware.

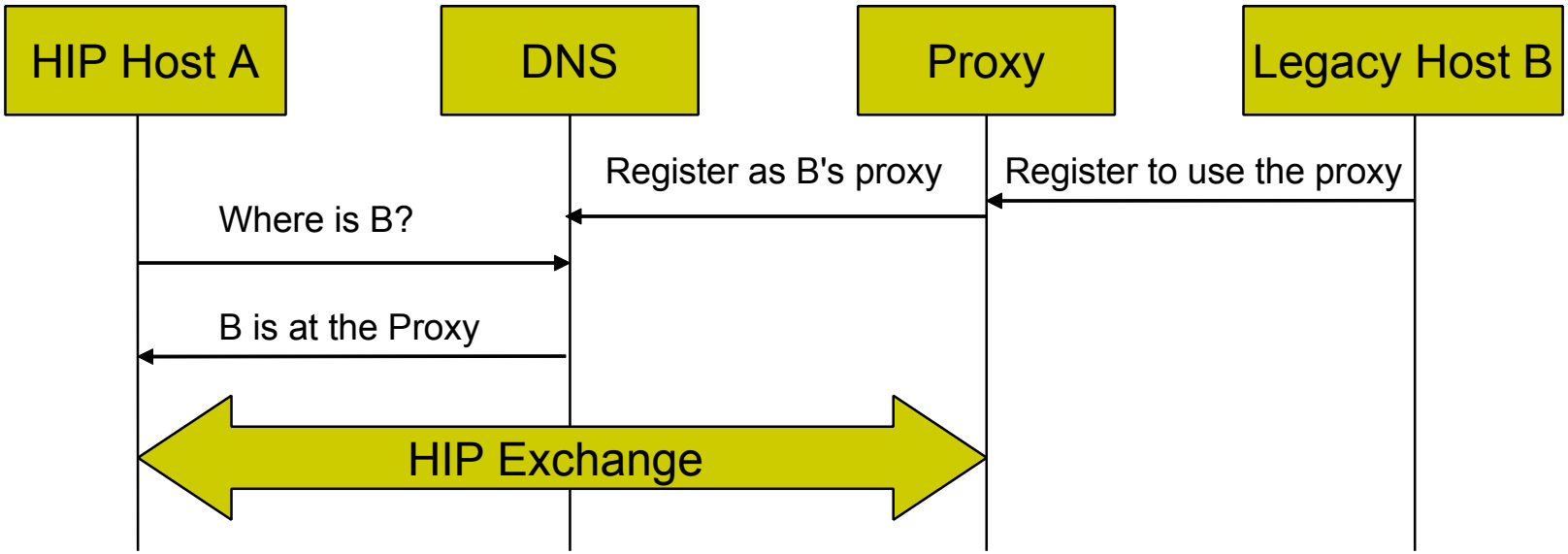
HIP Proxies
-per draft-irtf-hiprg-proxies



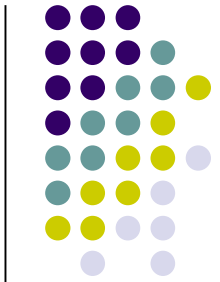
- “A primary function of HIP proxies is to exchange messages with HIP hosts on the performance of legacy hosts, using standard HIP protocols”
  - DNS Intercepting (DI)
  - Non-DNS Interception (N-DI)

The Problem

- In order to support the communication initiated by HIP hosts, the HIP proxies of a private network should have the knowledge essential to represent the ML hosts to perform HIP BEXs.

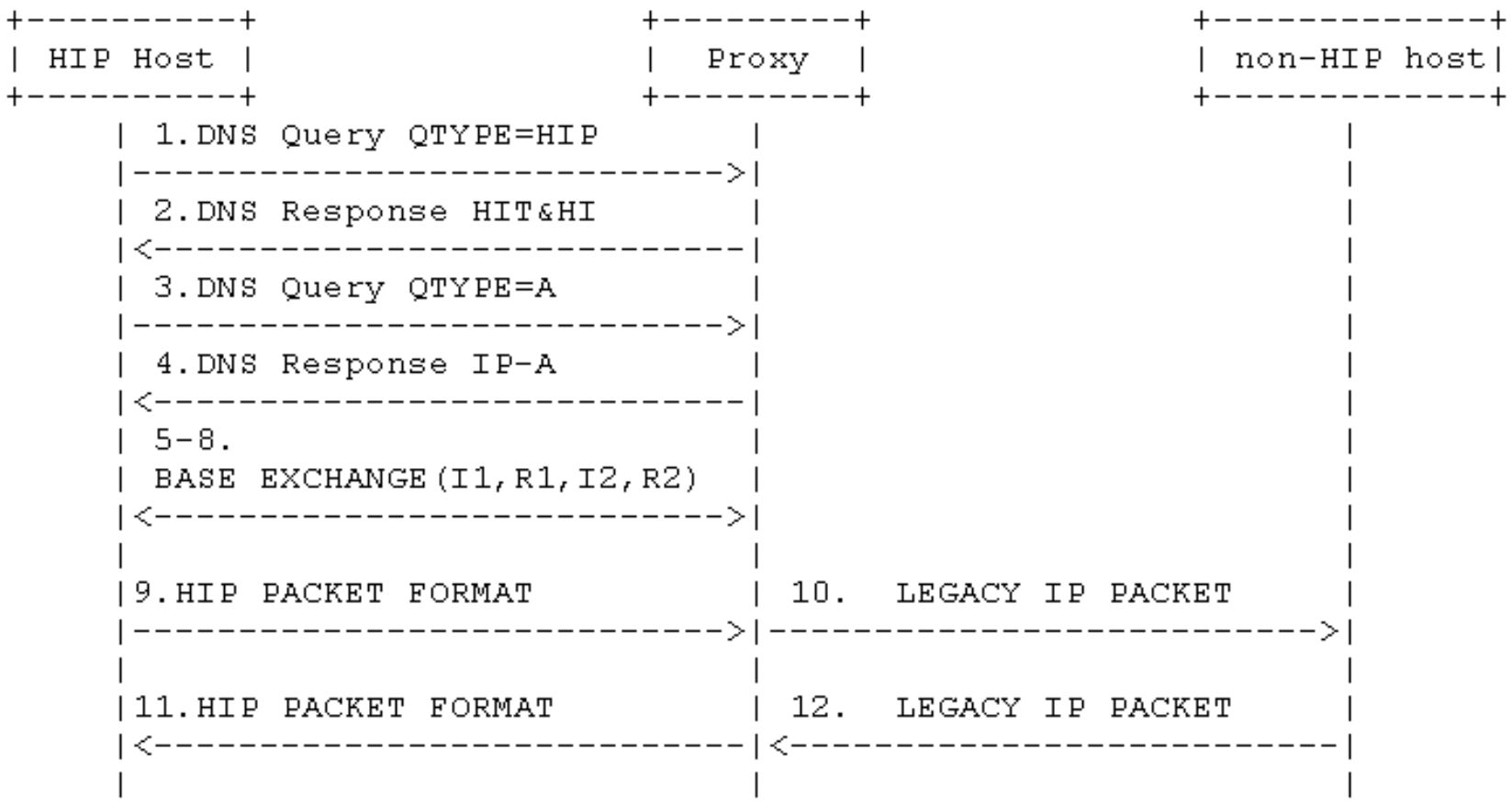


The Problem



- The legacy host should be aware of using the proxy
  - Should be involved in the registration process, however sometime not easy
- Finding a solution that the legacy host can be totally unware of the configuration

Our Proposal: Walk-around



Other considerations

- Security
  - Communication between the local proxy and legacy host may be protected by IPsec
- Integration
  - Should this way be incorporated into the current hiprg-proxies draft?