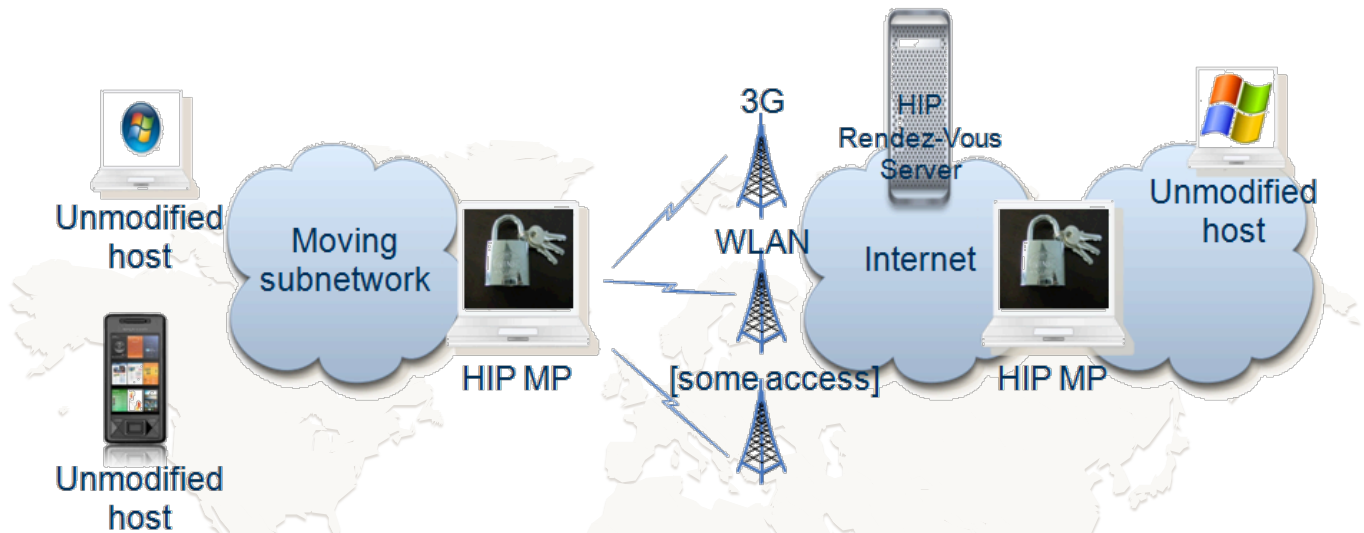


WISEciti WP2 T3: Components of HIP networks

HIP Multiaccess Mobility for Legacy Terminals

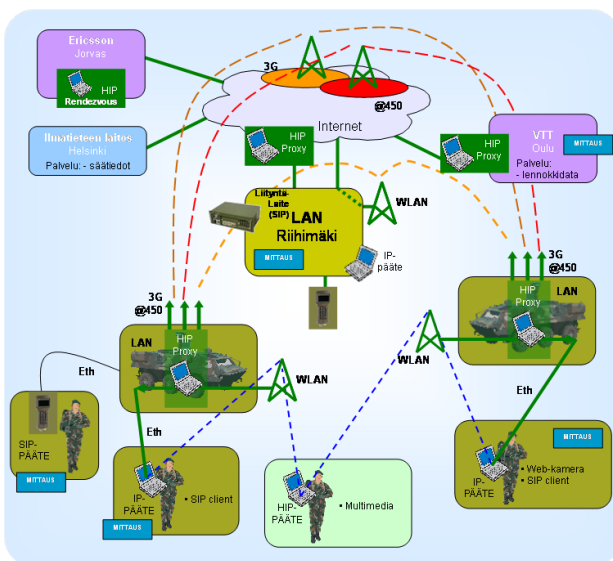


In the current Internet architecture hosts are identified and located by IP addresses
Instead of IP addresses, HIP uses a new cryptographic namespace for identification

The essential features enabled by HIP:

- Strong end-host authentication and full end-to-end encryption
- Easy to deploy, transparent to applications, works on both IPv4 and IPv6
- Inherent mobility and multi-homing support, incl. multi-access

HIP Mobile Proxy experiment with Finnish Defense Forces



HIP protocol suite is standardized in the IETF
Ericsson Finland is one of the main drivers
Prototypes exist for the whole protocol suite
Mobile Proxy allows use of legacy end hosts

WISEciti WP2 is involved in HIP Mobile Proxy and
Mobile Router standardization

Secure mobility for legacy (non-HIP) terminals
Proxy takes care of the mobility signaling
and security

Multiaccess support

- Flows moving from one access to another
- Several accesses used simultaneously
- Secure tunnels do not break in handovers