











































## Some More Details

Communication from CH to MH:

- Source IP address: CH, Dest IP address: MN
- Goes to the home network. HA intercepts.
- HA encapsulates and tunnels packet to foreign network. Addresses on the outer packet: Source: HA, Dest: COA

If COA is on FA, FA decapsulates packet and delivers to MH via a local mechanism.

- □ This local mechanism is not a part of mobile-IP specs. Note here MH uses its home network address.
- Local mechanism could be as simple transmitting on a Ethernet segment.

If COA is on MH (collocated COA)

- Packet is directly delivered to MH.
- MN itself decapsulates packet.

Communication from MH to CH:

Source IP address: MH, Dest: CH

## Optimizations "Triangular Routing" CH sends all packets via HA to MH. higher latency and network load. Oblution CH can learn the current location (COA) of MH from the HA. Then CH can directly tunnel the packet to the COA. However, this requires that CH also speaks Mobile IP. Change of FA Packets in transit during the change can be lost. New FA informs old FA to avoid packet loss, old FA now forwards remaining packets to new FA. This information also enables the old FA to release resources for the MH.





