

1. Host A constructs a frame with an IP datagram in its payload.
2. Host A sends the frame to the router.

When a router is connected to two physical networks, that router is called *multi-homed*. Similarly, it has two hardware addresses.

Internetwork Layer

Questions to be addressed:

- How does addressing work?
- How do we map addresses to physical addresses? (ARP)
- How are packets formatted, how are different frame sizes managed?
- How do routers know where to send datagrams?
- How are errors handled?