

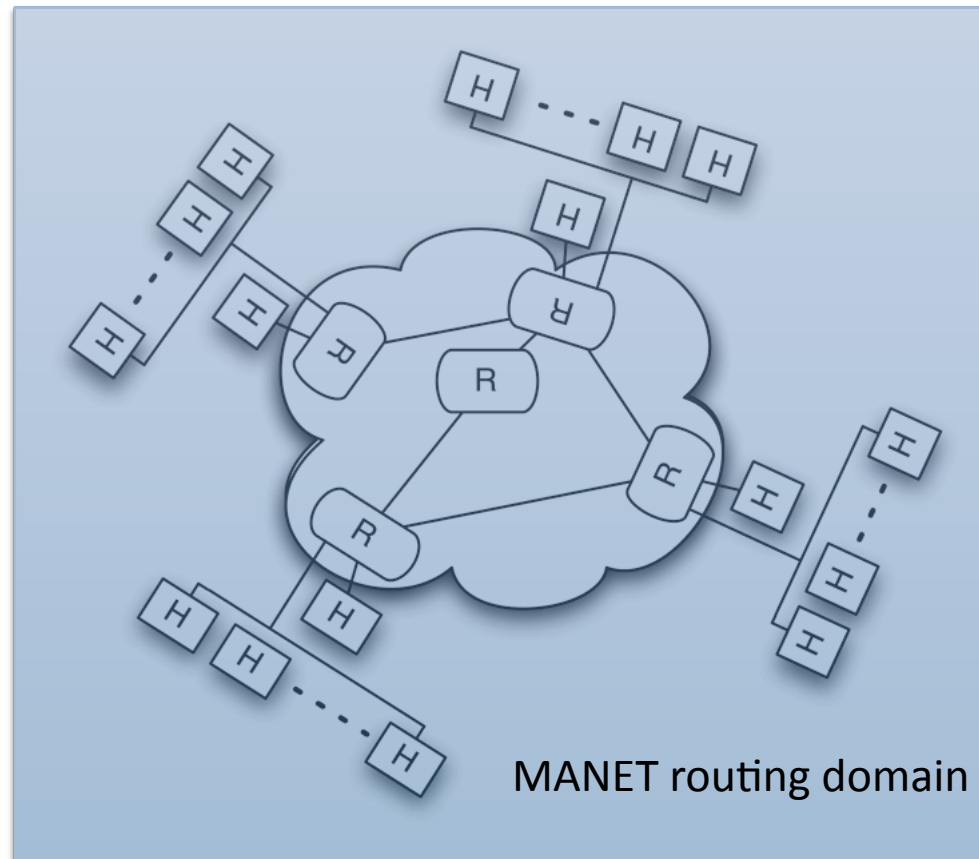
# Commonalities between Approaches

Design Team

# Setting: MANET Routing Domains

- MANET protocols = able to deal with issues such as draft-baccelli-multi-hop-wireless-communication-02
- MANET router = router with at least one interface running MANET protocols (= MANET interface)
- MANET routing domain = routing domain where connectivity is established by MANET routers

# Setting: MANET Routing Domains



- Hosts in a MANET routing domain do not run MANET protocols and are MANET 'unaware'

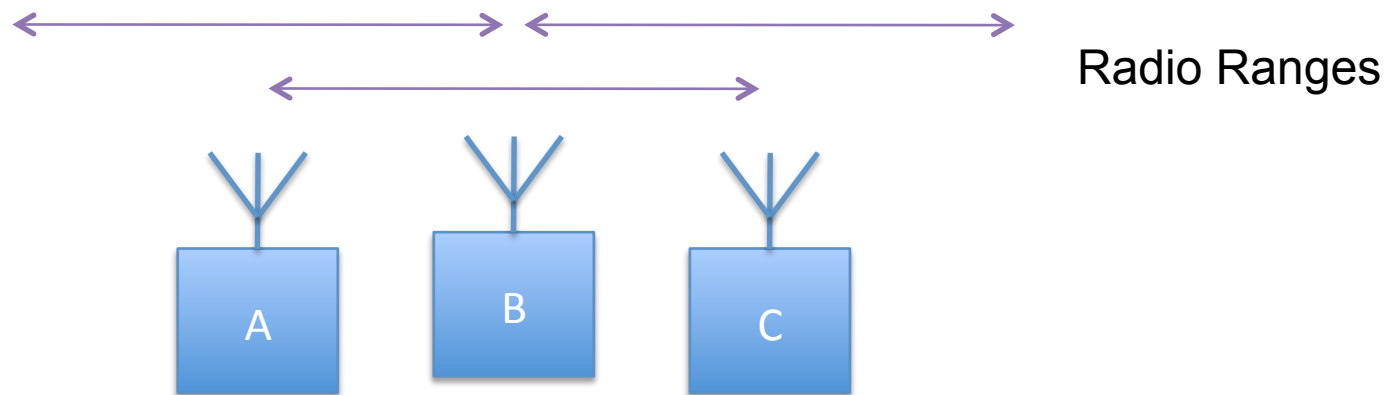
# Requirements: Uniqueness

- MANET routers MUST be able to uniquely identify routers 1 IP hop away
- MANET routers MAY have to be able to uniquely identify routers within several IP hops
- A practical and conservative approach: uniquely identify MANET routers throughout the MANET routing domain, with IP addresses for ID

# Requirements:

## IP On-Link Model (ref. RFC 3513 Section 2.1)

- Prefixes configured on MANET interfaces **MUST** comply with standard IP on-link model: all addresses in prefix are reachable within 1 IP hop



A and C are not within 1 IP hop