15-441 Computer Networking Lecture 10 – Routers and Routing

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1

































































Routing Information Protocol (RIP)

- Earliest IP routing protocol (1982 BSD)
 » Current standard is version 2 (RFC 1723)
- Features
 - » Every link has cost 1
 - "Infinity" = 16
 - Limits to networks where everything reachable within 15 hops

Sending Updates

» Every router listens for updates on UDP port 520
 » RIP message can contain entries for up to 25 table entries

37



