

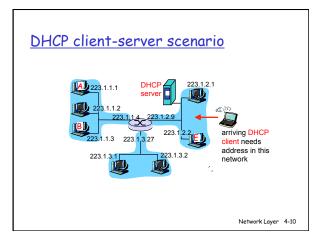
DHCP: Dynamic Host Configuration Protocol Goal: allow host to dynamically obtain its IP address from network server when it joins network Can renew its lease on address in use Allows reuse of addresses (only hold address while connected an "on" Support for mobile users who want to join network (more

shortly)

DHCP overview:

- \odot host broadcasts "DHCP discover" msg
- DHCP server responds with "DHCP offer" msg
- o host requests IP address: "DHCP request" msg
- DHCP server sends address: "DHCP ack" msg

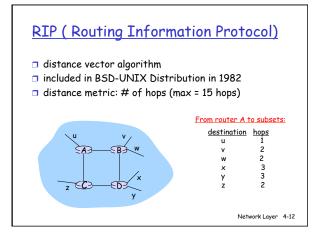
Network Layer 4-9

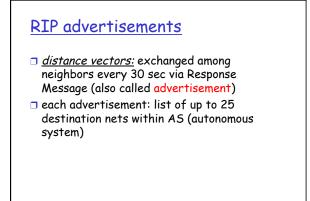


Intra-AS Routing also known as Interior Gateway Protocols (IGP)

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- most common Intra-AS routing protocols:
 - \odot RIP: Routing Information Protocol
 - \odot OSPF: Open Shortest Path First
 - IGRP: Interior Gateway Routing Protocol (Cisco proprietary)

Network Layer 4-11





Network Layer 4-13

