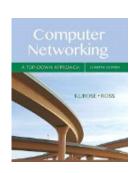
### COMP 375: Lecture 30



- News & Notes:
  - Project #4 due @ 10PM
- Reading (Wed, Apr. 18)
  - Review previous reading

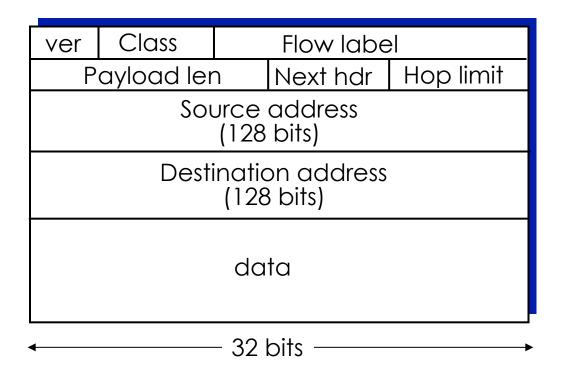
#### How do we feel about NAT?

- A. NAT is **great!** It conserves IP addresses and makes it harder to reach non-public machines.
- **B.** NAT is **mostly good**, but has a few negative features. No big deal.
- C. NAT is **mostly bad**, but in some cases, it's a necessary evil.
- **D.** NAT is an **abomination** that violates the separation of network layers, and we should not use it!

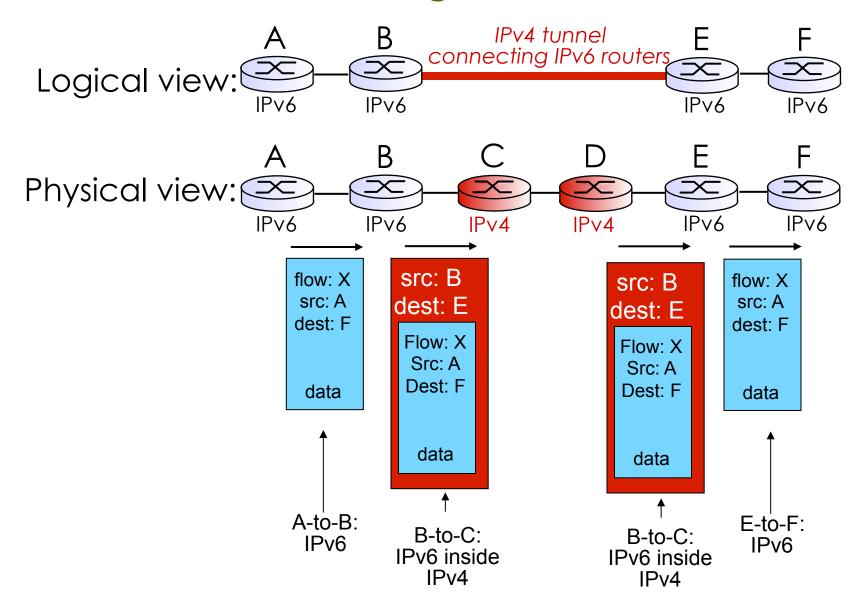
Section 4.3.5



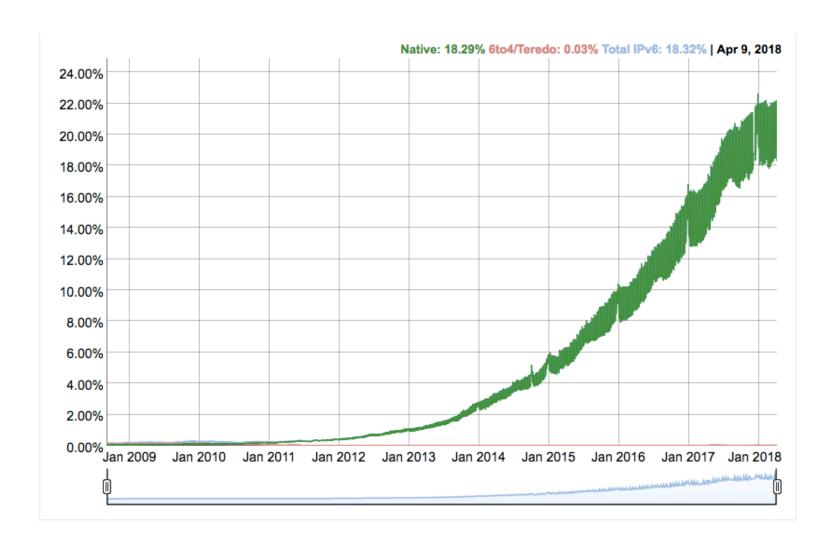
### IPv6 was designed to support more addresses and faster packet processing.



# Tunneling allow sending IPv6 packets via IPv4, allowing a mix of IPv4/v6.



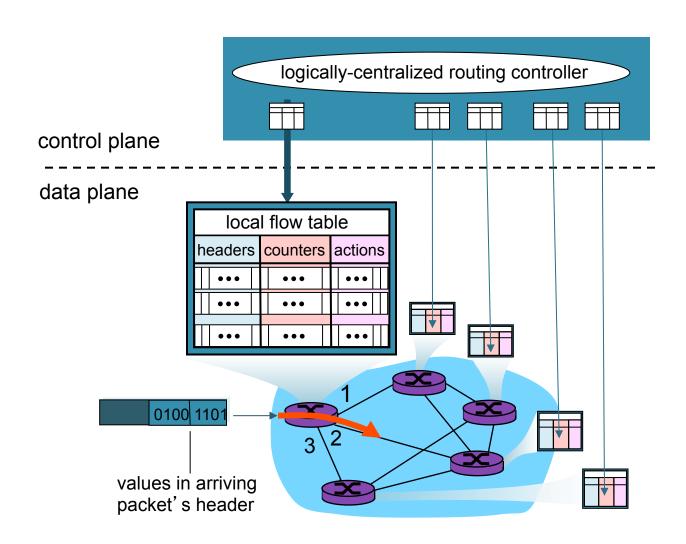
### Google tracks the adoption rate of IPv6.



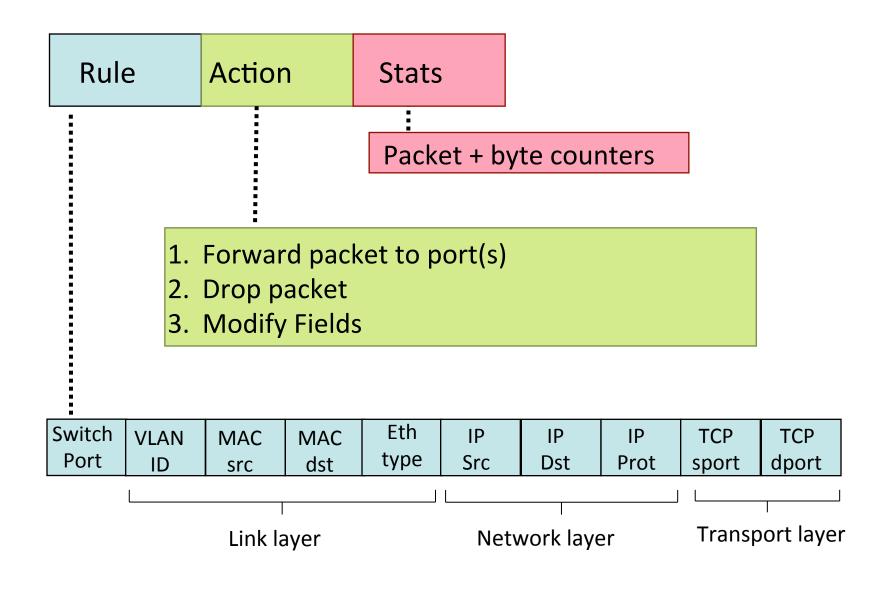
#### Section 4.4

### GENERALIZED FORWARDING

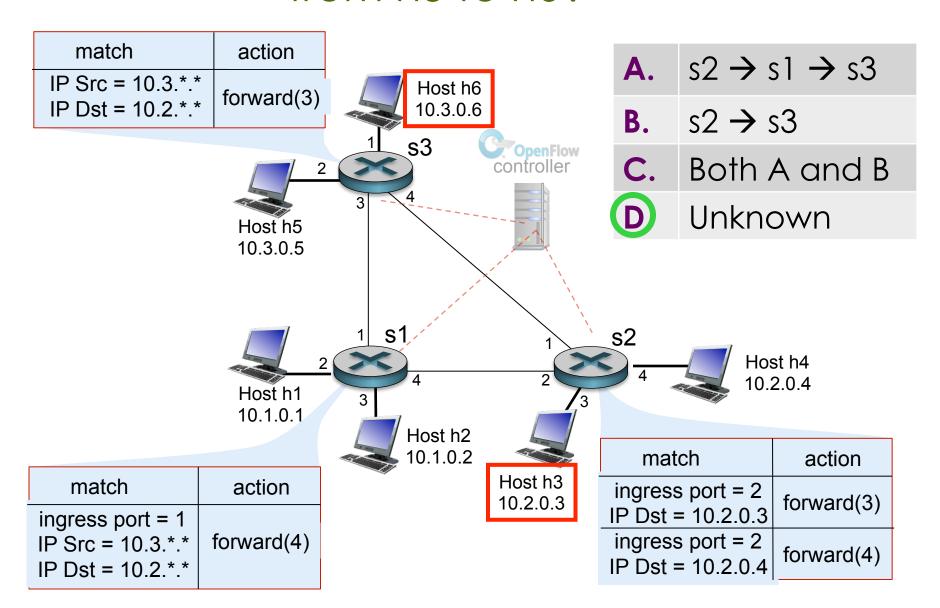
# SDN replaces forwarding table with flow table, computed by a central controller.



## Each flow table entry consists of a rule, an action, and associated stats.



### Which path will be used to transfer data from h3 to h6?



### Fill in the flow tables to ensure **h3** packets go clockwise, **h4** packets go counterclockwise.

