

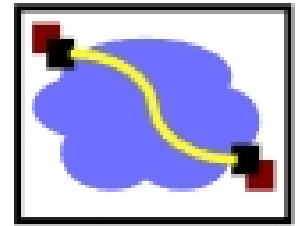


# 15-441 Computer Networking

Inter-Domain Routing

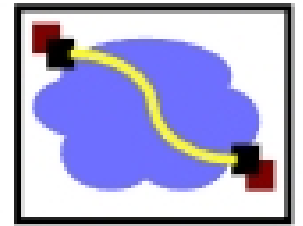
BGP (Border Gateway Protocol)

# Summary



- The Story So Far...
  - Routing protocols generate the forwarding table
  - Two styles: distance vector, link state
  - Scalability issues:
    - Distance vector protocols suffer from count-to-infinity
    - Link state protocols must flood information through network
- Today's lecture
  - How to make routing protocols support large networks
  - How to make routing protocols support business policies

# Outline



- Routing hierarchy
- Internet structure
- External BGP (E-BGP)
- Internal BGP (I-BGP)