



Constraints, or the lack thereof



# What's at stake?

- If there is a problem, the Internet
  - Won't scale
  - Will implode at some point
  - Costs will spiral out of control
  - Digital divide will widen
  - Growth slows, stops, or retreats



# The Architectural View

- We need to change
- Whatever change we make, we have to live with it, forever
- Sunk investments, applications are not reasons to compromise the architecture
- Do we really want our grandchildren to live with a kludge to save \$\$\$ today?
- Our moral, altruistic responsibility:  
Do The Right Thing



# Sensitivities

- Installed base of IPv6
- Current momentum
- ISP issues
  - Preference for provider lock
  - TE
  - Upgrade CapEx & OpEx
- End-user issues
  - Avoidance of provider lock
  - Avoid renumbering
  - Interest in multi-homing



# Constraints

- None of the above