Longer prefix multihoming in IPv6

Kurtis@kurtis.pp.se
Current situation

- Multihoming is done for IPv6
  - In various ways
- Not officially supported
- Multi6 will be an issue before we will have IPv6 widely deployed

- We have no idea on the need for multihoming
  - 20k allocated AS numbers
  - 15k visible
  - Three upstreams = 45k routes

- Worst case today
  - 64k AS:es
  - Three upstreams = 192 000 routes
Moving forward

• IPv6 space is much more aggregated to start with
• We need experience to build from
• We need to buy time
• And we need a solution that requires little implementation
Allow people to announce /48s

Far from perfect
  – Will not give PI space
  – Will lead to routing growth in the future
  – Call me when we are at 1k routes

Have a potential to be rolled-back

Is a quick fix