

Longer prefix multihoming in IPv6

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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

draft-kurtis-multihoming- longprefix-00.txt

- 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

