

Editorial

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The Current Situation

- Global active routing table is going to hit 220k routes momentarily – Houston, Routeviews, etc.
- Ipv6 routes might hit 850 shortly.
- Some providers (I hear) have substantially more routes internally than they carry from external sources.

Current Situation Continued

- For a number of providers 800k route FIBs aren't going to be enough very shortly.

Hardware

- The next capex cycle is going to have to buy:
 - New chassis
 - 10Gb/s interfaces
 - Enough FIB memory to survive the replacement cycle
- The current generation hardware may be good for a while depending on your needs, or not.
- The 2001/2002 era hardware is on it's last legs

The future?

- Deaggregation is likely to continue unabated
 - Pick your growth curve.
 - The upper bound is known. ;)
- It looks like router/asic manufacturers aren't going to run out of steam in the immediate future.

The future part 2

- There has been some healthy debate on what to do about the long-term viability of the global routing system.
 - My own take is that a maturing Internet infrastructure resists innovation that requires widespread coordination quite successfully until the pain of not doing something becomes greater than continuing down the same course.