

240/4 in the wild

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- Yes.

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- Sorry. I mean, it's the same technique right?

How?

- Look in DNS, count unique targets in in-addr.
- Approximately 150 ASN regularly show reverse-DNS queries into the ranges.
- The higher count instances appear to be using consistently the same queried addresses.
 - This suggests it's a structured, conscious deployment

Top 20

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Count	Economy	Count	Economy
42	US	3	EU
15	RU	3	SE
13	UZ	3	UA
11	DE	2	CH
7	FR	2	NL
5	AT	1	SK
5	CA	1	TH
5	DK	1	TR
5	GB	1	TW
4	PL	1	ZA

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- Because $240/4$ is the equivalent of $16/8$ networks. That's 268,435,456 end hosts.
- It looks like cloud services people can use this to do backend management.

Why did 240/4 die?

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- Because it was OBE by IPv6 deployment
- Because it won't work on legacy equipment
- Because its another RFC1918 conversation

So how come it works in cloud?

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- Because it is IPv4 and works in dual-stack
- Because there is no legacy hardware in a cloud rack
- Because a huge RFC1918 cloud pool is useful

Seriously?

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- Yes.

Seriously?

- Yes.
- Juniper thought it was serious enough to respond to a direct request, and enabled 240/4 in Junos in response.

http://www.gossamer-threads.com/lists/nsp/juniper/45191?do=post_view_threaded

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 - <http://tools.ietf.org/html/draft-wilson-class-e-02>
 - Redesignation of 240/4 from 'future use' to 'private use'

Should I care?

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- Yes.
- Public resources like IANA reservations should be properly documented, and their use understood.
- It's a cool use of a huge address space, but its undocumented
- This looks like an example of real world endrun around IETF process.