

IPv6 Link Numbering Discussion

/112 prefix length

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/112 Prefix Length

- Popular non-standard size
 - <http://huque.com/~shuque/doc/penn-ipv6-plan.html>
- Always suppresses RA/autoconfig
- One size fits all
 - Point to point links
 - More than 2 routers on ethernet
 - Vrrp
 - Server segments

/112 Prefix Length

- Aligns on “:” boundary
- All of your loopbacks and internal links can be numbered out of the same /64
 - Simplified control plane acl's
- Good balance between efficiency and flexibility
 - /112 is 16,384 times less efficient than /126 but 281,474,976,710,656 times more efficient than /64