IPv6 Link Numbering Discussion

/112 prefix length

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/112 Prefix Length

- Popular non-standard size
- 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