



Internet Operations and ARIN Policy - Is There Convergence?

NANOG47 / ARIN XXIV
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Unifying Internet Infrastructure

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IPV6 POLICY VS. OPERATIONS

- We have a new (actually old) protocol to implement, how do we do it??
 - + Some want it to be just like IPv4
 - × Including 1918 and NAT!
 - + Some want it to be better than IPv4
 - × Clean, aggregated, ISP -> customer hierarchy, secure
 - + Some want to prevent us from making mistakes we have in the past.
 - + Some are pushing the limits of hardware and software and are weary of de-aggregation
- Why Vs. and not &?

IPV6 POLICIES

- Announce a single aggregated /32
 - + Breaks multihoming (unless we increase ASNs + prefix)
 - + Operations generally ignores this already (or not)
 - + Forces ORGs not to disclose to ARIN how space is being used. (can't meet ratios)
 - + No support for Traffic Engineering (regional or otherwise)
 - + Perception of us by our customers as not being ready
 - + How would this room have done it? Why aren't you participating in the policy process?
- Obtaining IPv6 space required to be a known ISP
 - + Yes this has happened to me. You must have v4 & AS

QUESTIONS
