

IPv6 Measurements Panel

From the peering & BGP point of view

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IPv6 Measurements – Peering & BGP view

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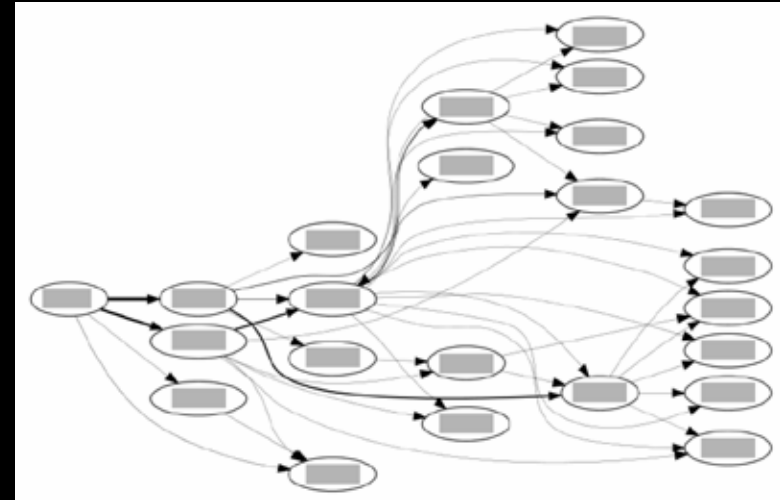
- Measurements – using history as metric
 - AS6939 has 12 years of announcing v6 routes
 - Around half that time hounding other networks to do the same
- Measurements – BGP routing using route collectors
 - Visualizing routing (via <http://bgp.he.net> website)
 - Using both RIPE RIS & Oregon routeview
 - Presenting v4-vs-v6 data (to convince more to do v6)
- Measurements – explaining v6 to lawmakers/regulators etc.
 - Sometimes there's more v6 than lawmakers/regulators believe
- Ultimately it's “nearly” good news



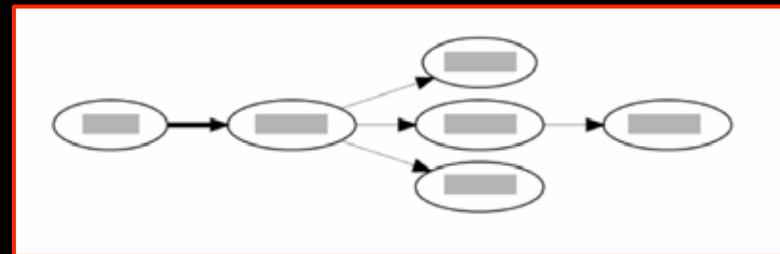
IPv6 Measurements – an example

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- IPv4/IPv6 Deployment
 - IPv4 routing complete
 - IPv6 routing incomplete
- Operators sometime:
 - “just don’t care”
 - “didn’t realize”
 - “we better fix that!”
- There’s 44,000 ASNs
 - Much more work to do!



IPv4 - Complete route propagation



IPv6 - Very minimal route propagation

Q&A

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