

IPV6 Multihoming and Traffic Engineering

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Multihoming and Traffic Engineering with IP V6

- What solutions exist or can exist in order to enable V6 multihoming and traffic engineering?
- Can we come to an IPV6 Multihoming and Traffic Engineering solution on a global scale?

How are the solutions for IPV6 Multihoming and Traffic Engineering being made?

- IETF is working on a document that will detail their suggestion
- A document detailing the current possible solutions with their recognized pro's and con's is available on the NRO site.
- We need Global RIR input. What will work with RIR policy and current business practice's?
- We need input from educational and operational forums like NANOG

Suggested Solutions / Work in Progress

- CIDR boundry/ Filters open to a specific /? (/51, /40 what?)
- Aggregation plans that allow only a specific amount of slices to occur.
- Metro/ Regional assigning of IP Address space.
- Community Codes
- Published list of IPV6 blocks that are approved to allow to have more specifics for multihoming and traffic engineering purposes. The RIR's would maintain these lists.
- Shim6 Protocol

What solutions do you suggest?

- We need your ideas.