Internet Operations and ARIN Policy: Is There Convergence?

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IPv6 policies

The good

- If you are an established ISP, getting IPv6 space is **really** easy

    – Can take under 20 minutes

        - Really, go ahead and do it!

The bad

- The "must announce a single aggregate" policy is causing some people to delay deployment

    – Not everyone is willing to put all their eggs in single /32 basket

        • Hijacking

            – It only takes 1 announcement to hijack *everything*

        • Traffic Engineering

            – Can't traffic engineer specific netblocks/datacenters

        • Anycast

            – What happens if you have multiple anycast "clouds"

                » Do you burn (an IPv6) /32 for 1 IP?!?!

        • Multiple discreet networks

            – What about multiple non-connected datacenters?

            – How about branch offices?

Is there hope?

- Yes!

- 2009-5: IPv6 Multiple Discrete Networks

- 2009-7: Open Access To IPv6

  – Removes the "single aggregate requirements"

- Please vote for these policies!

Questions?