



IPv6

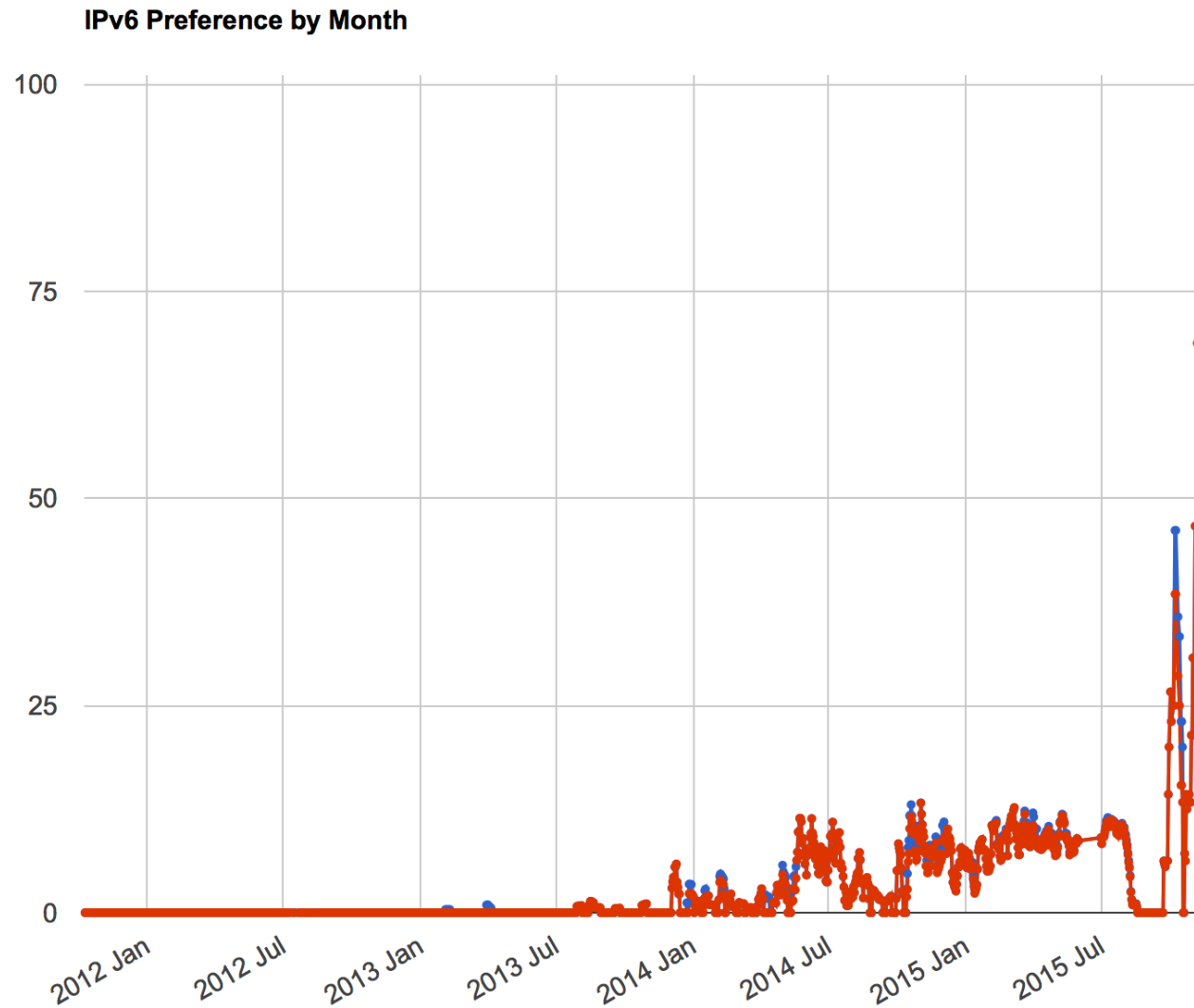
visão de um provedor de acesso

Trajetória



provedor de serviços em internet

Outubro/2009: Recebemos a faixa de IPv6



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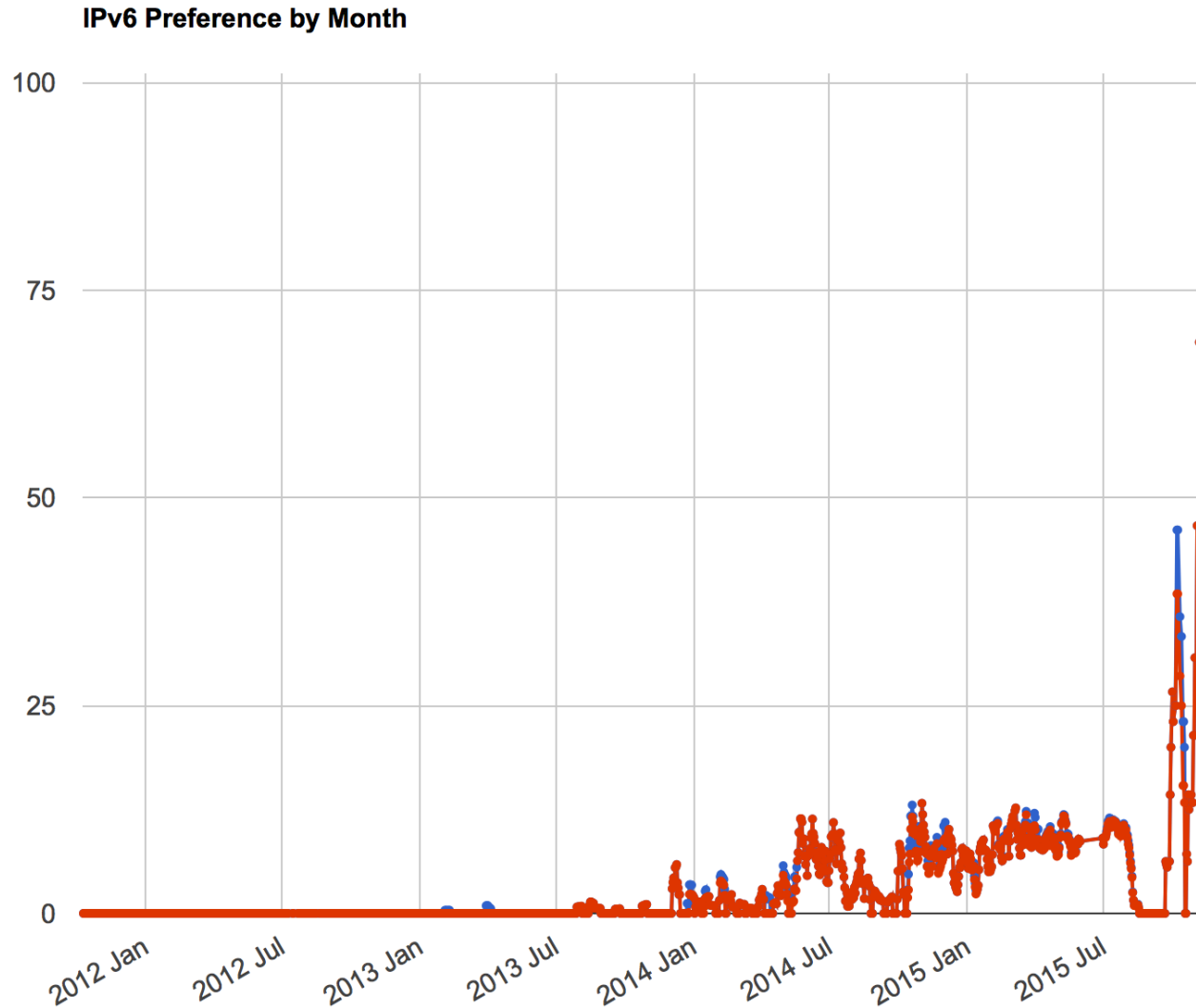
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Outubro/2011: Curso do NIC.br IPv6, config. dos roteadores de bordas e a liberação de upstream



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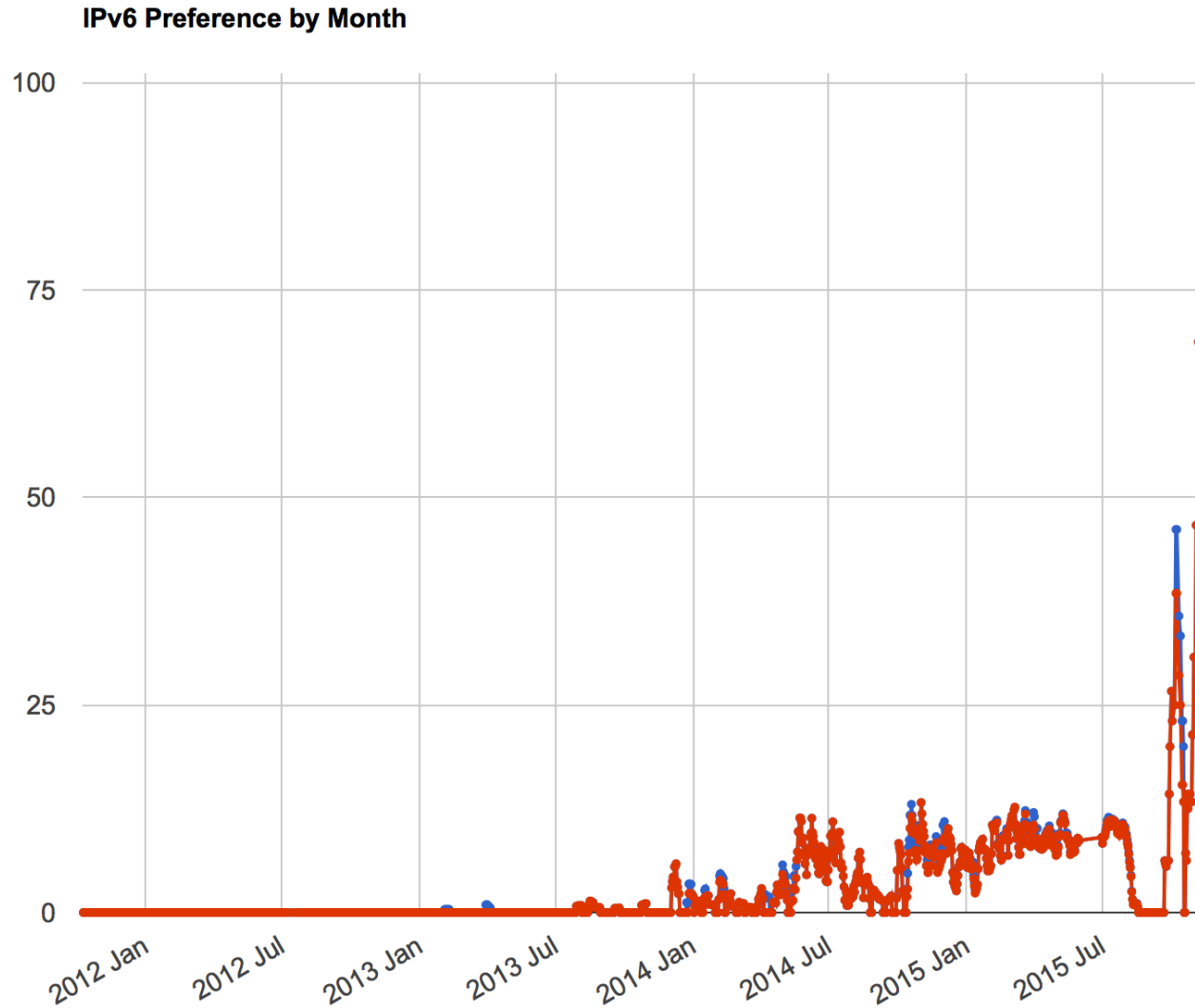
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Novembro/2012: IPv6 nos principais servidores (DNS, site, rede interna, etc)



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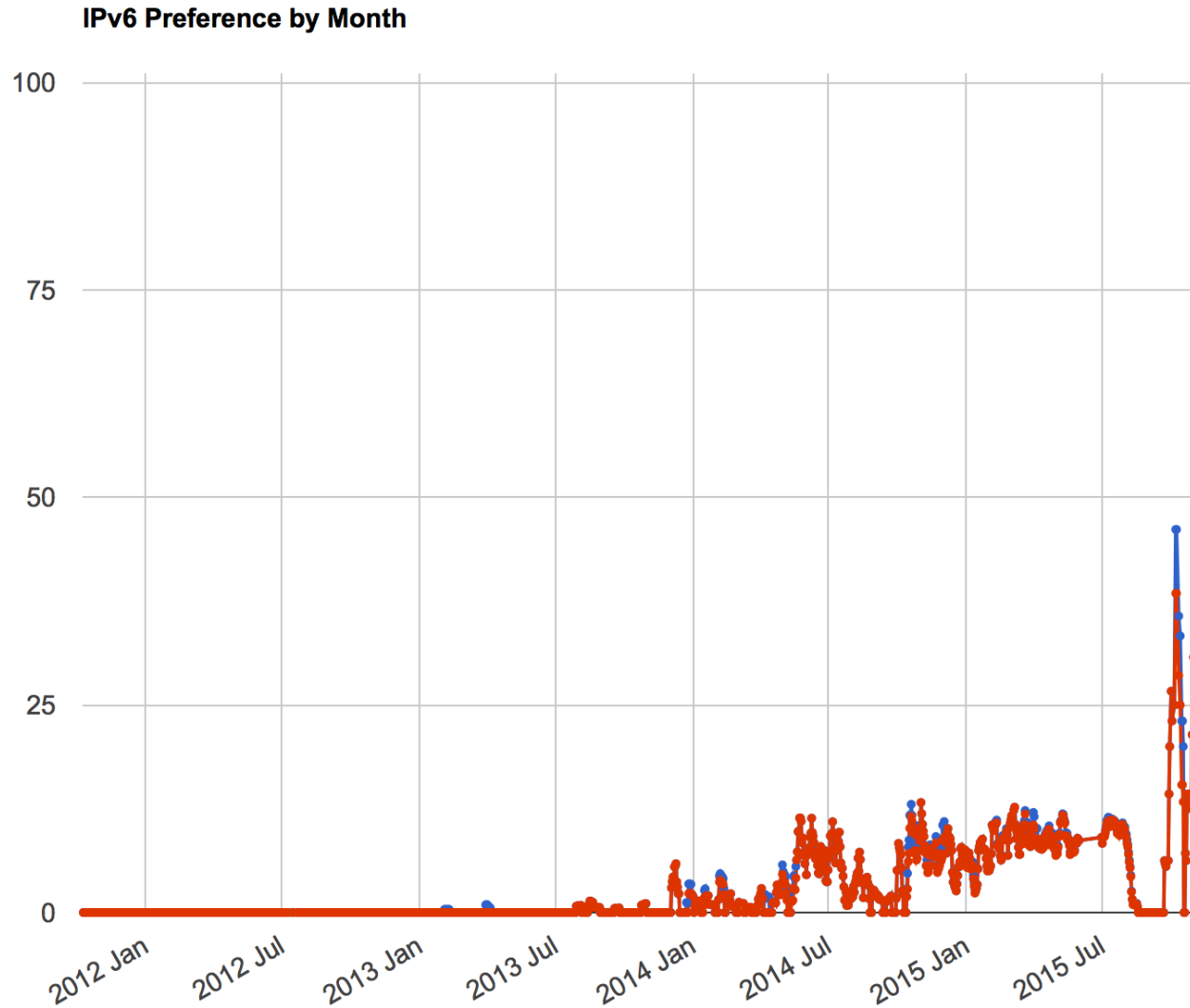
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Setembro/2013: Não comprar mais roteador sem IPv6



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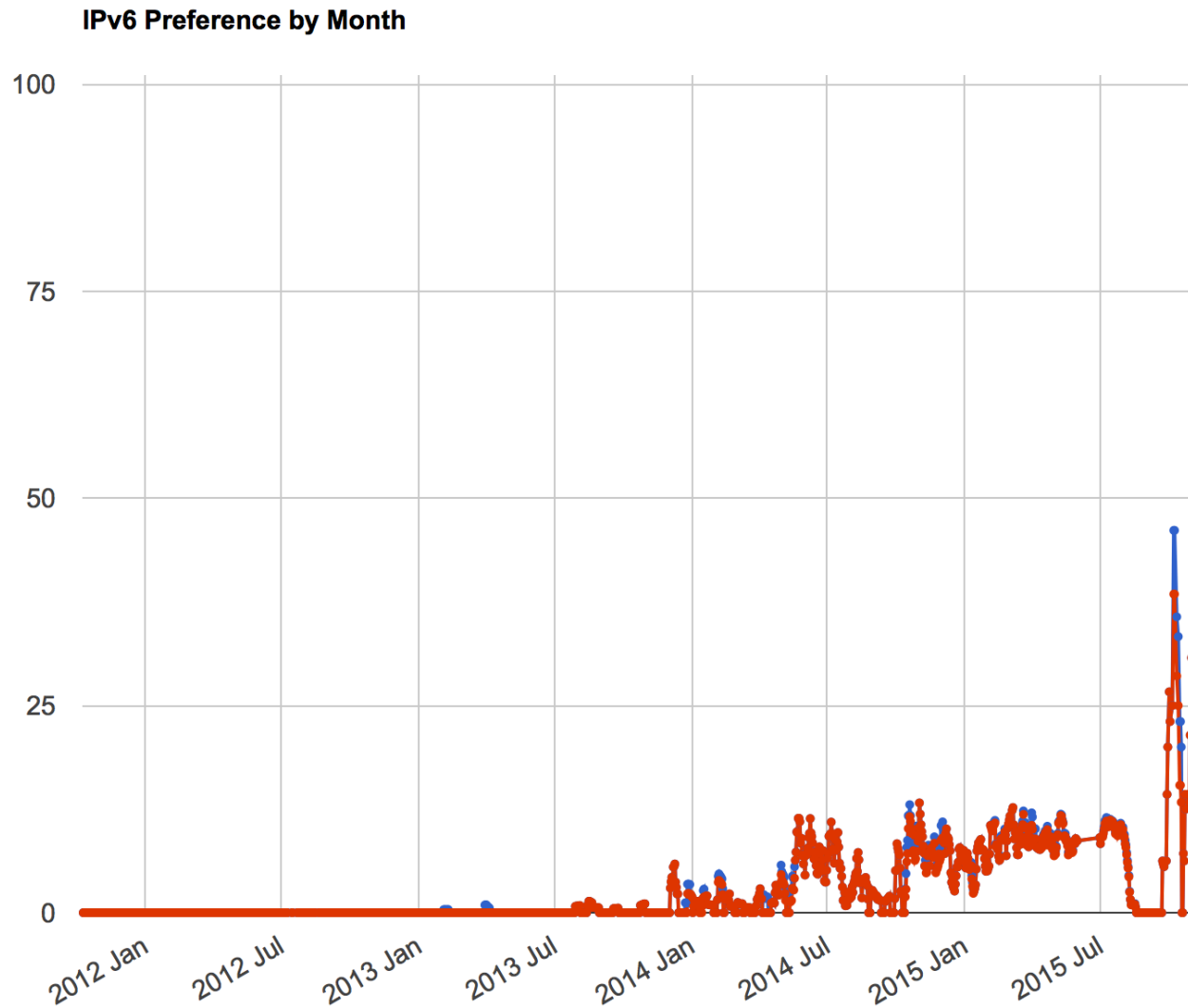
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Novembro/2013: Sinergia com a D-Link



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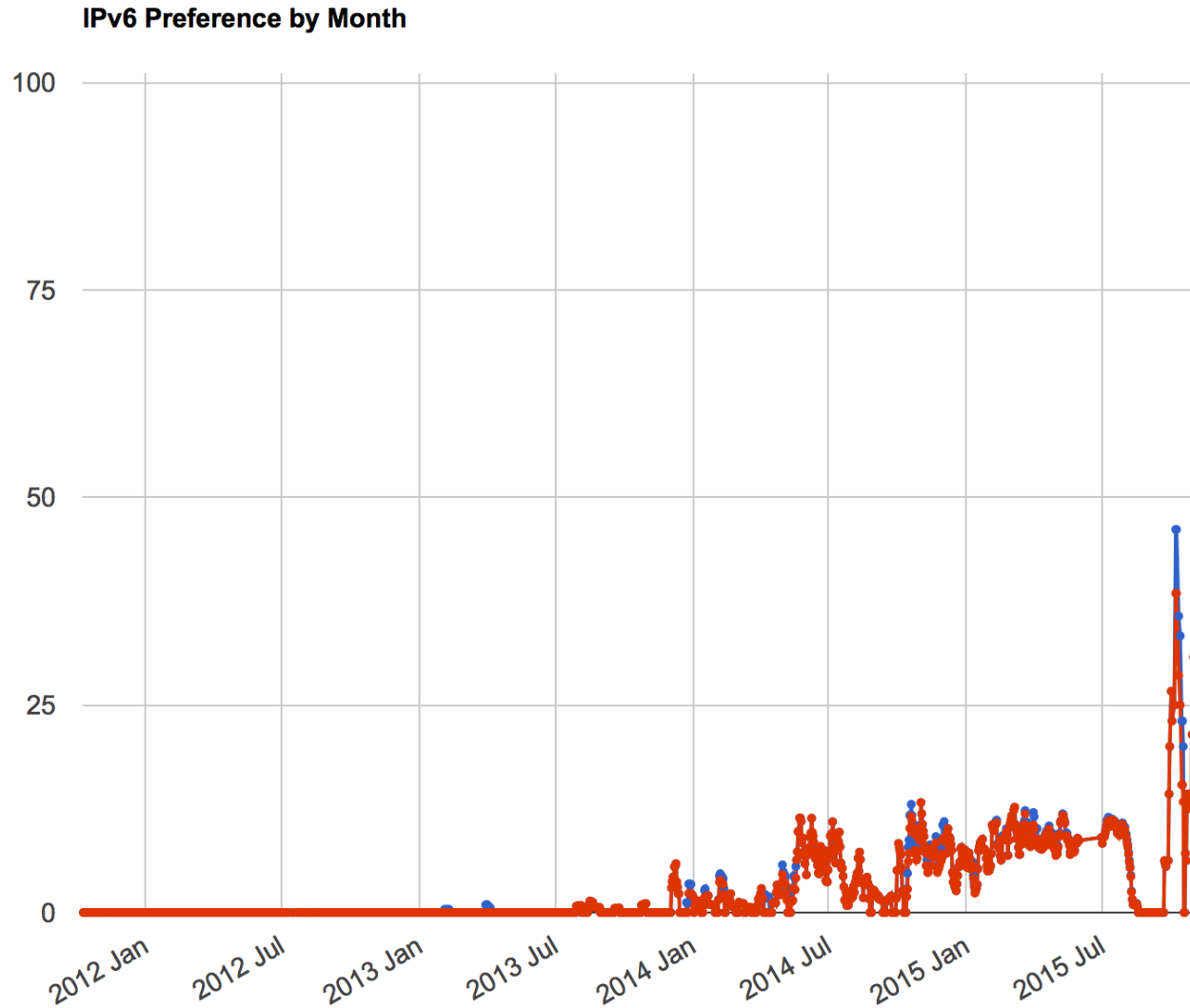
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Dezembro/2013: Firmware pronto



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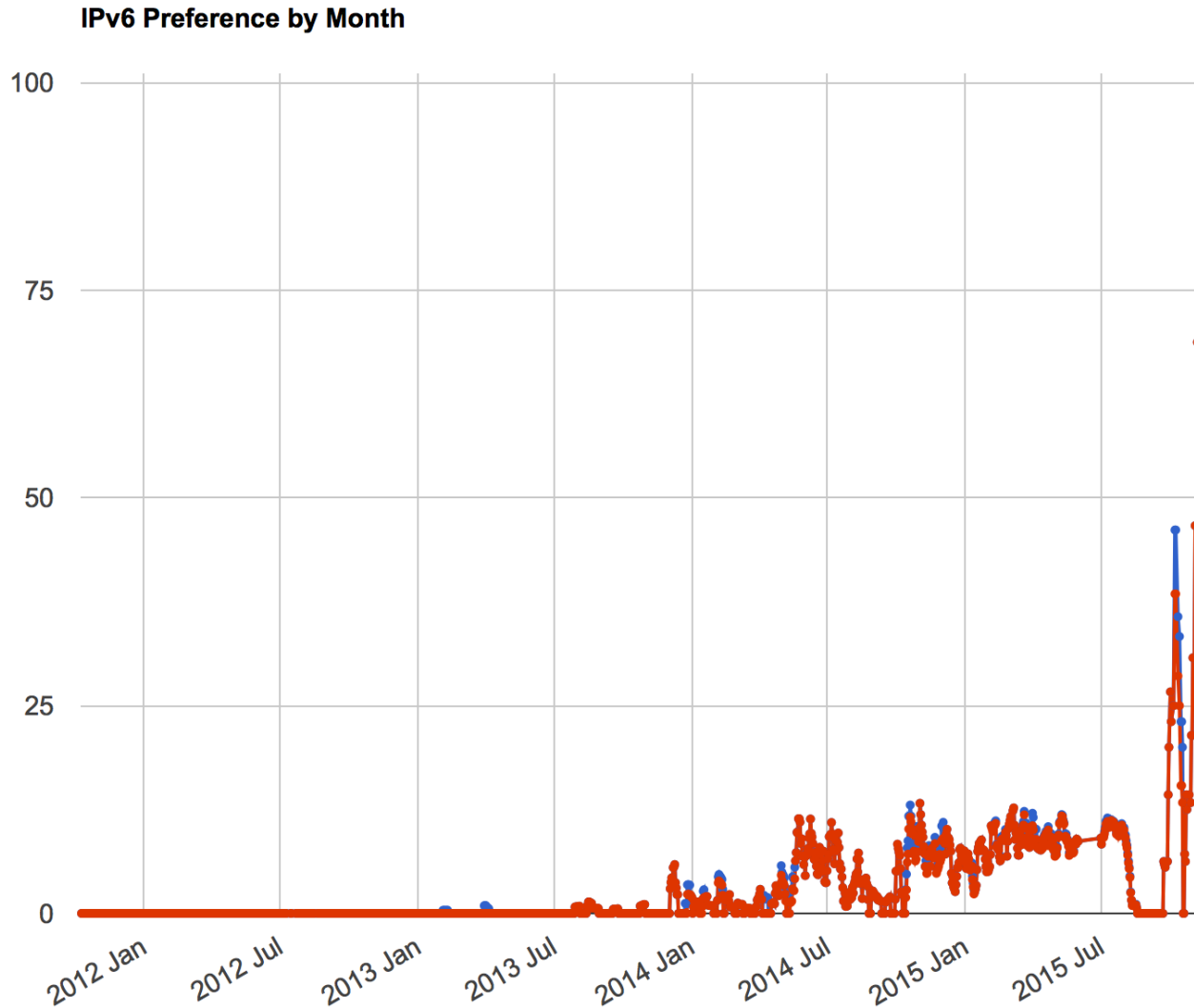


Topologia

- ◊ Servidor R210 Dell - Linux/PPPoE
- ◊ IPv6 padrão RA (router advertisement)
- ◊ RadiusCistron + radvd + Dibbler
- ◊ IPv4: 3 mil usuários
- ◊ IPv4 + IPv6 (dual stack): 2.5 mil usuários

Janeiro/2015: Dell/Linux/PPPoE -> Juniper/PPPoE

IPv6 padrão IA_NA (Identity association for non-temporary addresses)



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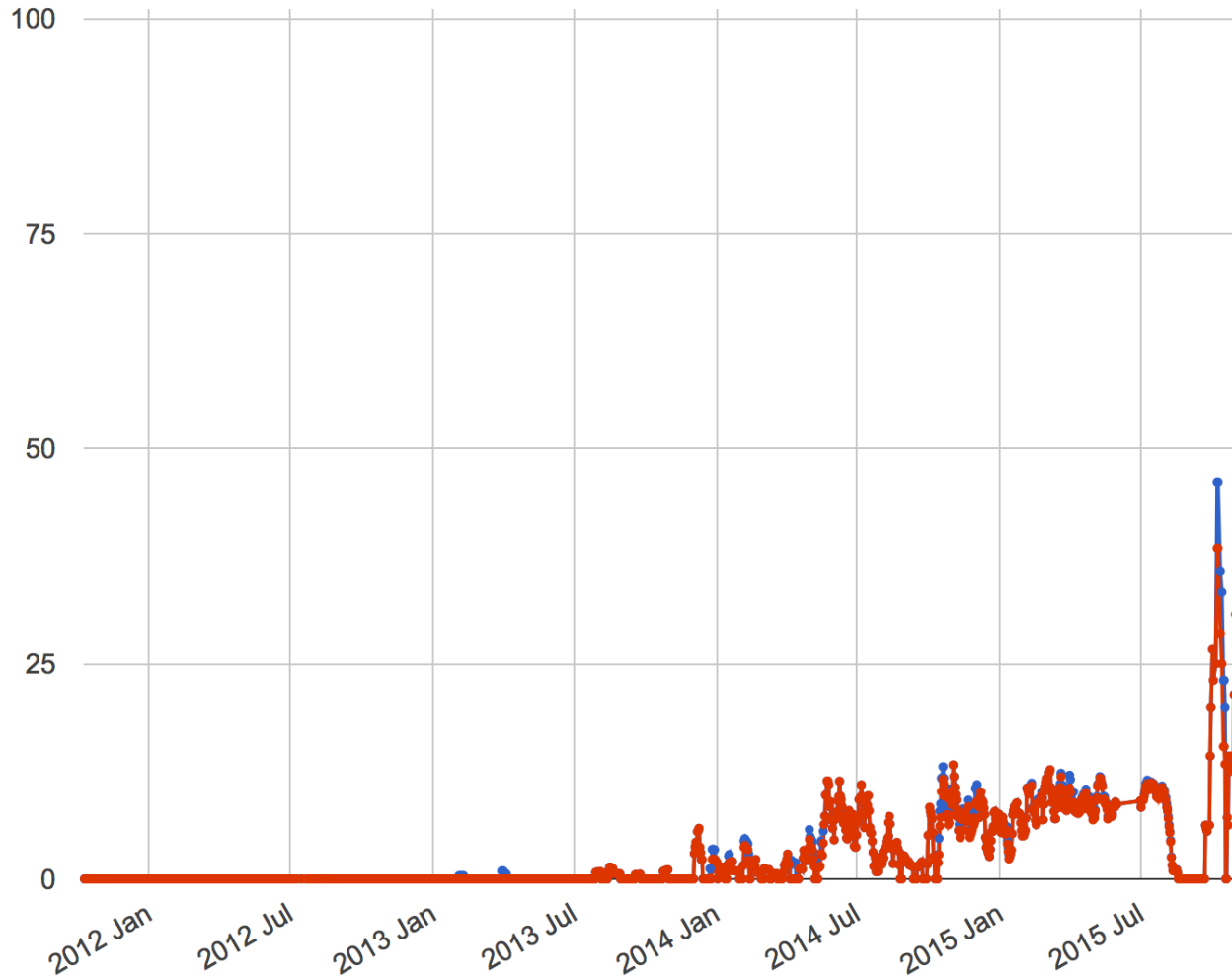


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Agosto/2015: IA_NA -> RA

Problemas de compatibilidade

IPv6 Preference by Month



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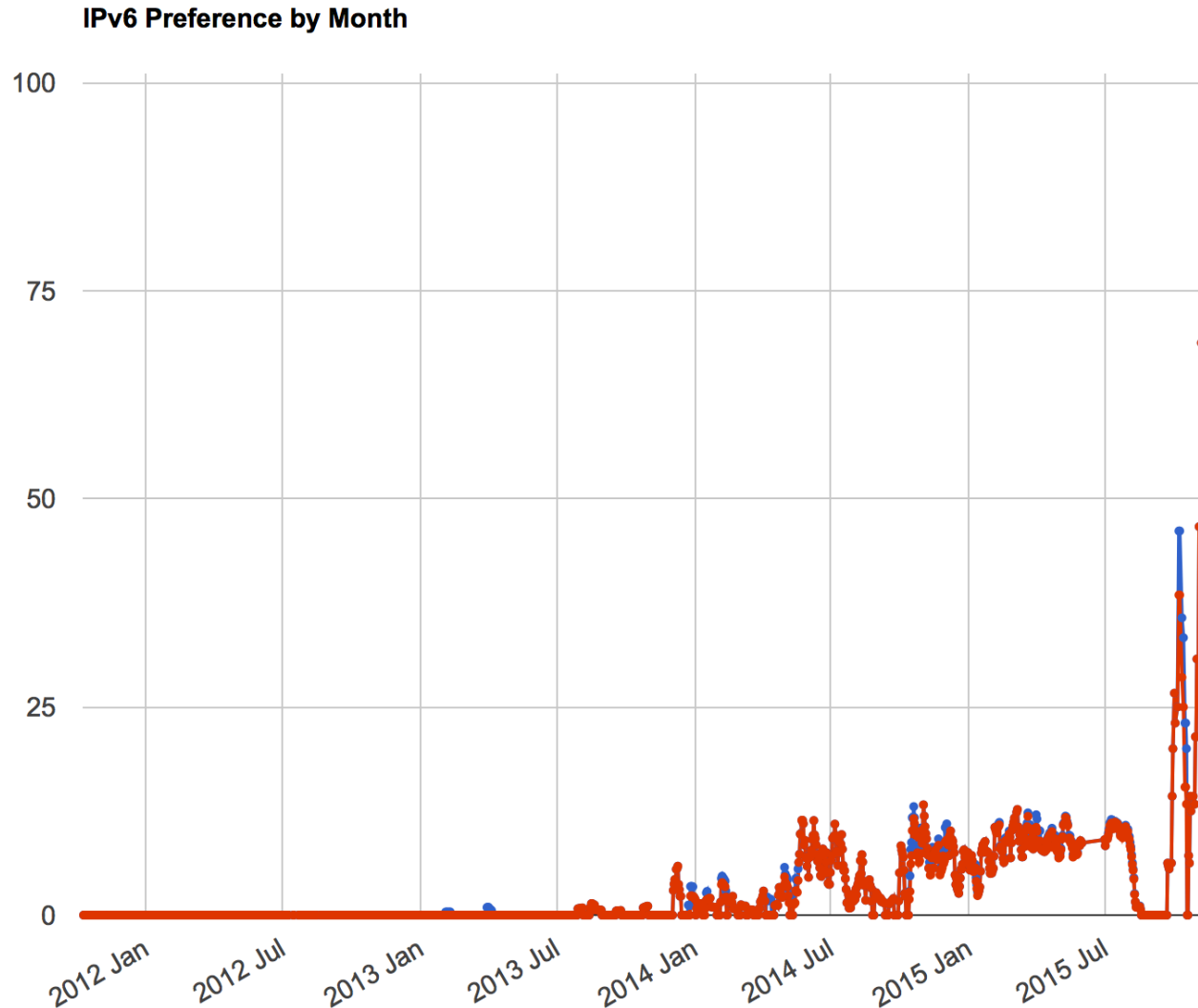


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Outubro/2015: Resolvida as incompatibilidades e novo firmware da UBNT com IPv6



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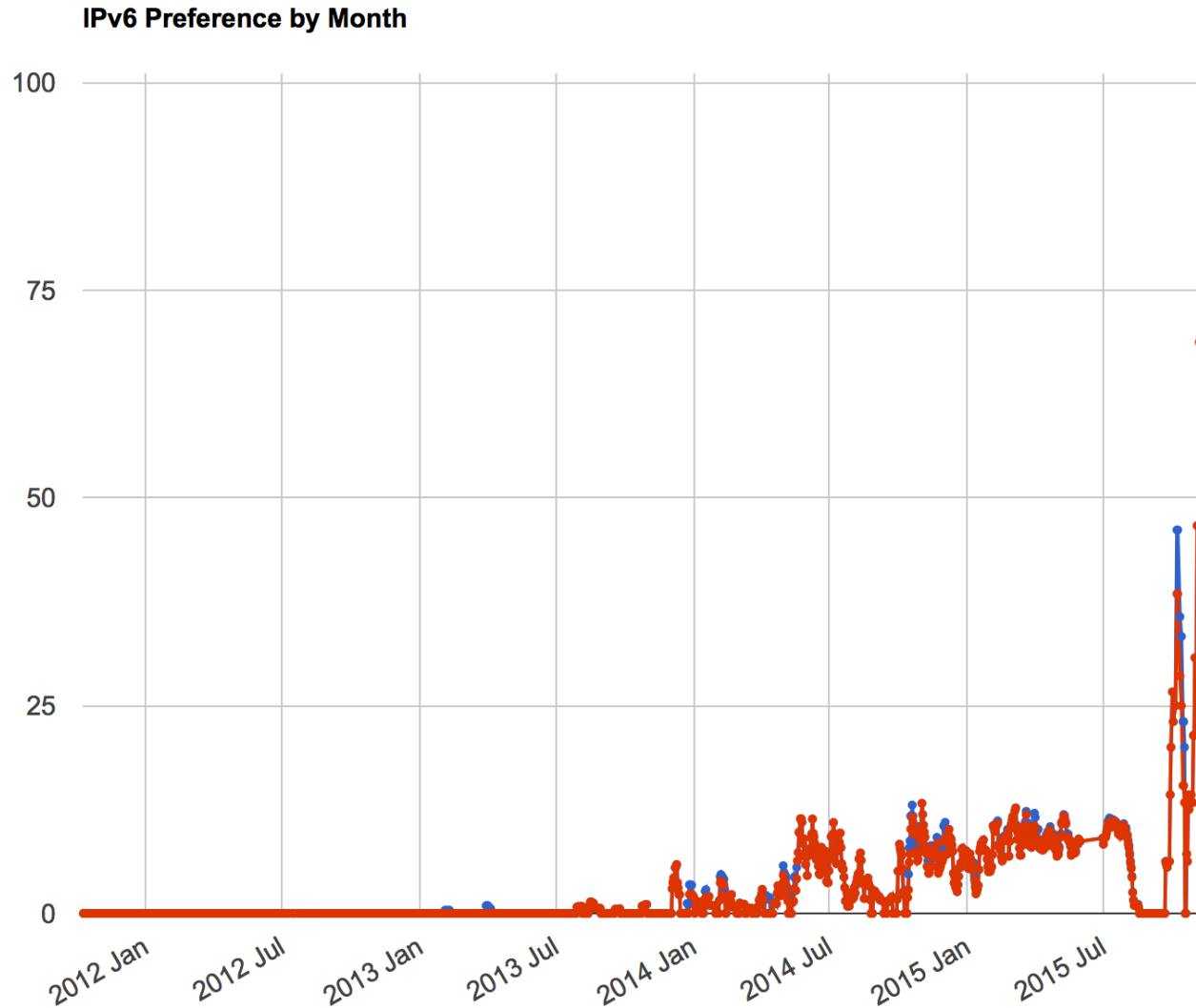
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Recursos

- ◊ Juniper MX-5 IPv4: 16 mil usuários
- ◊ Juniper MX-5 IPv4+IPv6: 12 mil usuários

Novembro/2015: Caminho certo encontrado 70% da rede em dual stack e crescendo



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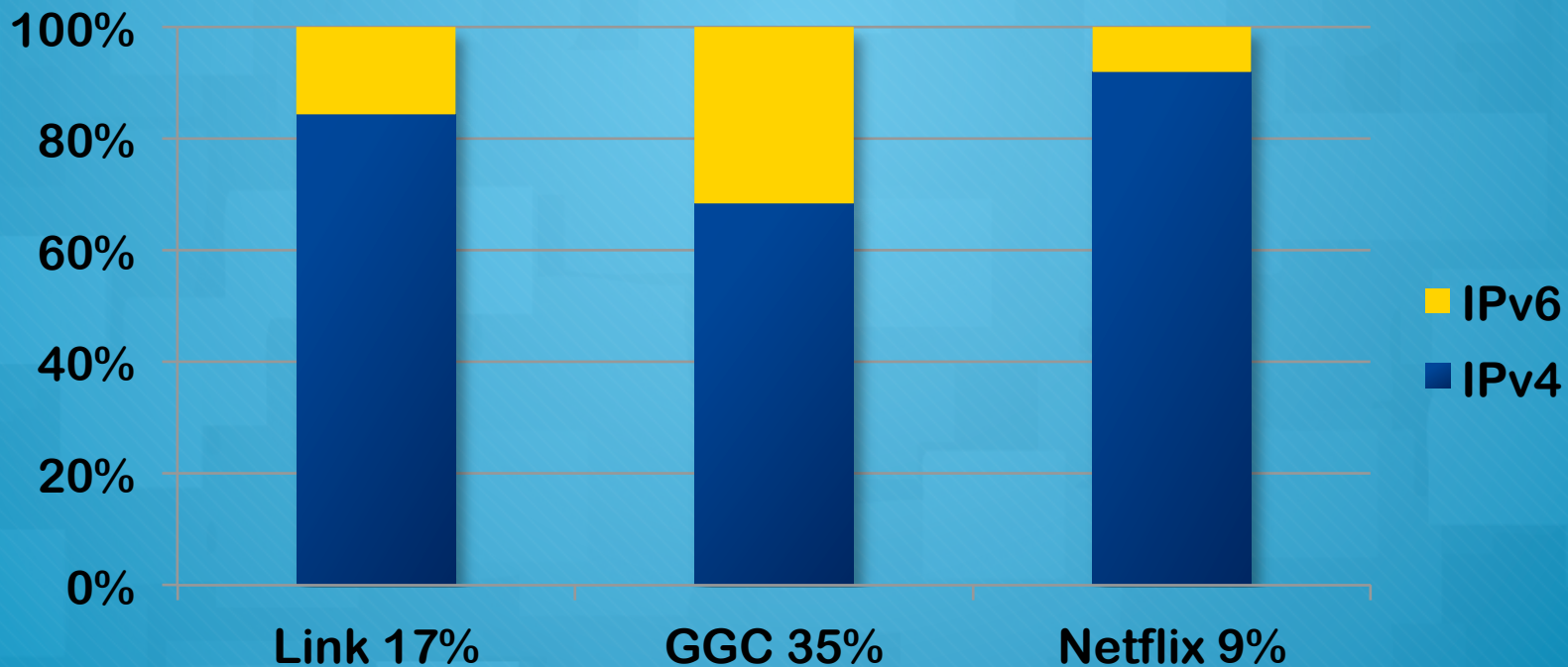
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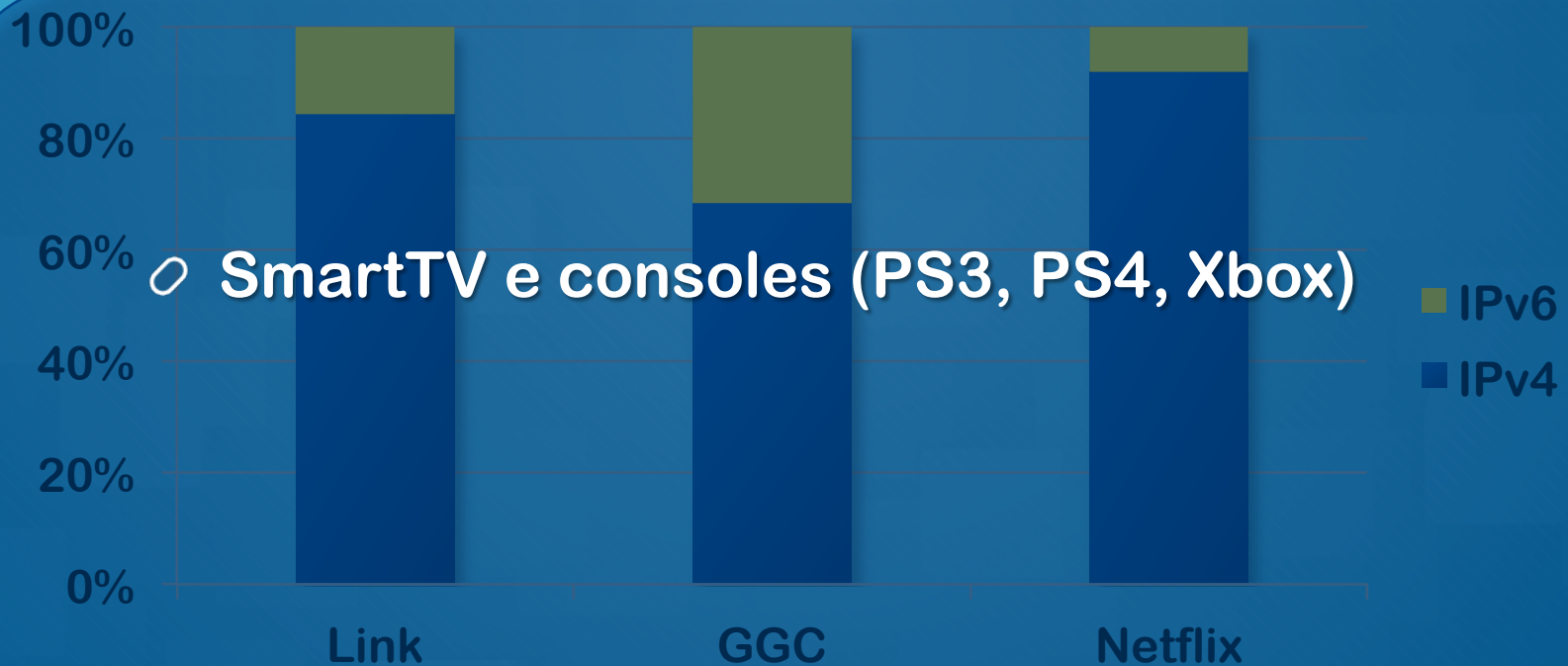
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Utilização de IPv6



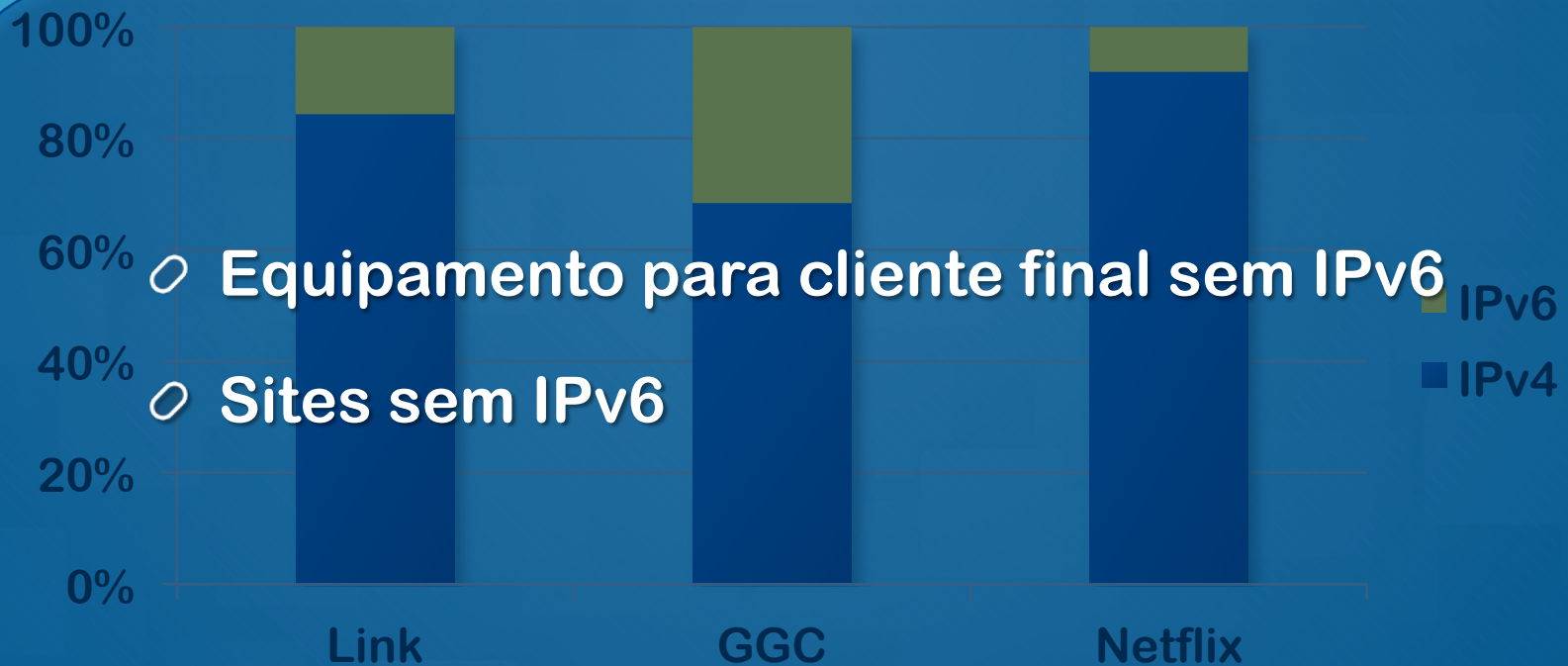
Desafios para crescimento do IPv6 no Netflix



Desafios para crescimento do IPv6 no GGC



Desafios para crescimento do IPv6 no Link





Log do IPv6

Quebrando paradigma em como logar os
endereços IPv6

A stylized illustration of a bright yellow sun with a blue circle in the center, partially obscured by blue and white clouds. The background is a solid blue color with a subtle pattern of lighter blue squares.

Duvidas?

ericval@fasternet.com.br