



Hosting Experiences, Voxel Prospective

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Technical Concerns: Internal



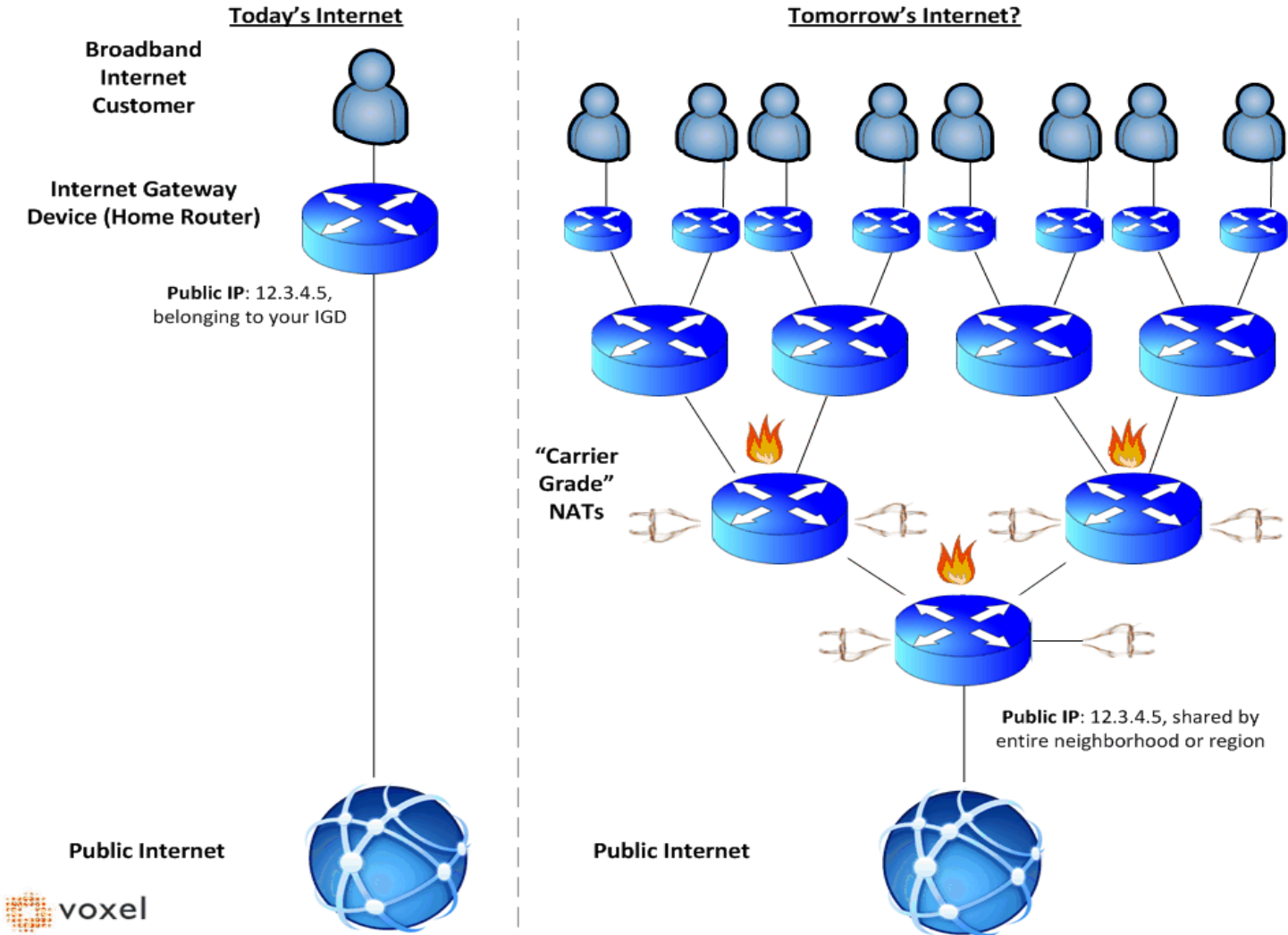
- Lack of knowledge sharing, so everyone re-invents the wheel with their own secret sauce.
 - Datacenter and *physical* server automation
 - Network config-generation
 - Network architecture and engineering BCPs
 - Community interest in mailing list?

v6: Why are we concerned?



- Customer demand for v4 addressing remains constant; “hoarding” increasing. We need to board new customers.
- We ***might*** be unable to source additional v4 addresses in the coming months from ARIN, APNIC, RIPE. We ***will*** use the secondary market and IP brokers as necessary.
- IPv6 is not common at hosting companies, with some exceptions, almost entirely in this room.

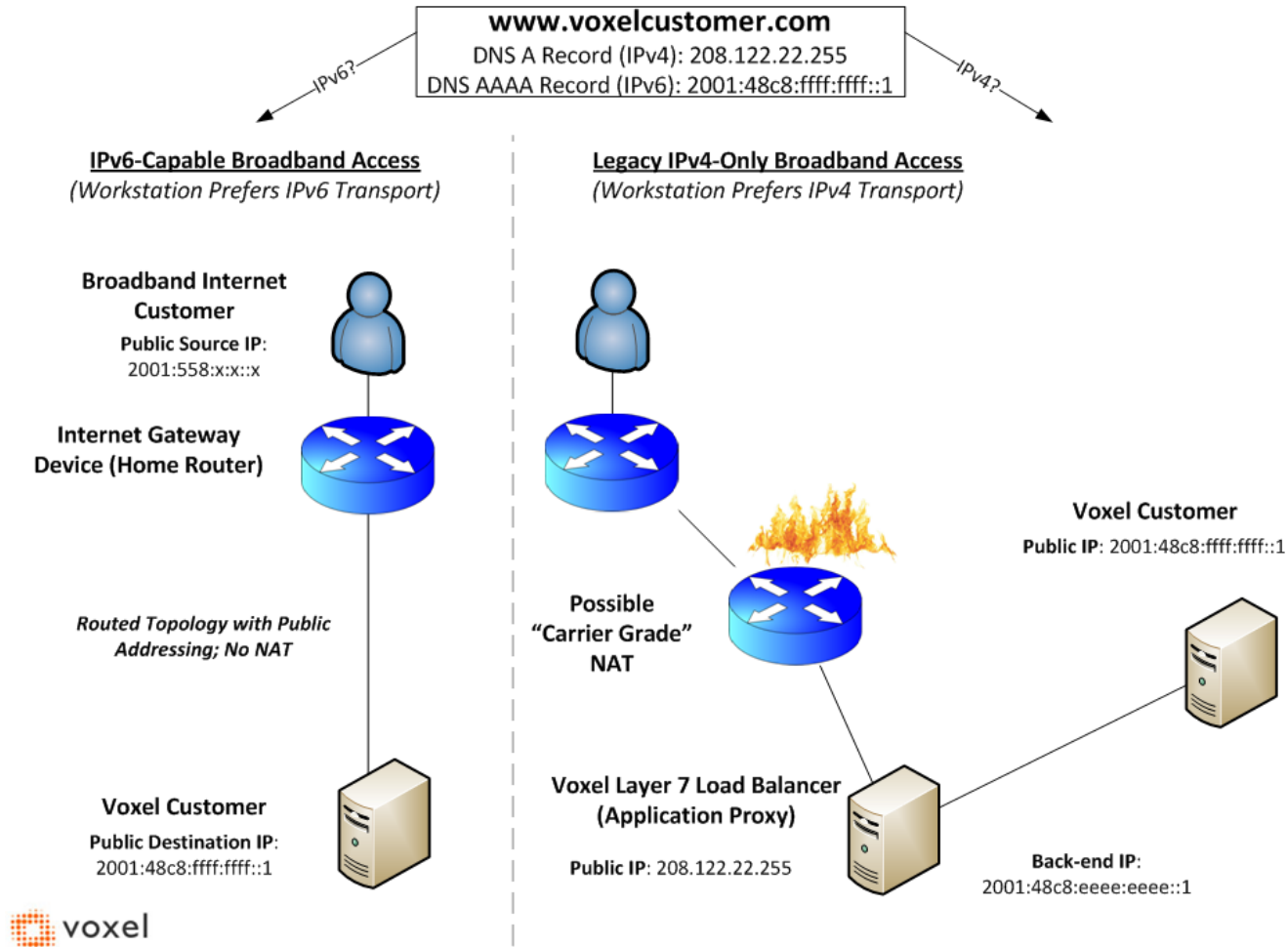
v4 Run-Out: Concerns



v4 Run-Out: Hosting Impact



Post Run-Out: A Server Without (v4) IPs



v6 Deployment: Boarding



übersmith

Add IP Assignment

Details | Assignments

Type: Global ⓘ

Portable: Yes No

Device: [Empty]

Service: [Empty]

IP Group: AMS SLTP Public (LNTC Heavy Industries) (VLAN 162)

Method: Choose new assignment

Facility: AMS2 - Equinix Amsterdam (AM1)

Pool: FRONTEND-IPv6-AMS2

Block: All Blocks

Size: ::/64 (1.84467440737E+19)

Check Cancel

v6 Deployment: Boarding, IPA



übersmith

Add IP Assignment

Details Assignments

	Network	First IP	Last IP	Broadcast
<input checked="" type="checkbox"/>	2001:48c8:7:2::/64	2001:48c8:7:2::1	2001:48c8:7:2:ffff:ffff:ffff:fffe	2001:48c8:7:2:ffff:ffff:ffff:ffff

Save Check Cancel

Device: []

Vendor Wish List: Technical



- Feature Parity: v4 vs. v6
 - IRR, BGP Communities for TE
- Peering Parity: v4 vs. v6
 - inet4 + inet6 AF on all peering interfaces, please.
 - No more tunnels!
- FlowSpec

Common theme: help us help ourselves!

Vendor Wish List: Commercial



- Better aggregation language, policy
- Availability of ports; better disclosure/coordination on oversubscribed architectures
- Capacity as burst (vs. commit)
- “Off-net”/”last mile” capacity, ethernet exchanges; streamlined ordering process



Send questions, comments, complaints to:

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