

Getting IPv6 Address Space: The Easy Part of Your Deployment

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About the RIPE NCC

- One of the five Regional Internet Registries (RIR)
- The RIPE NCC service region covers Europe, the Middle East and parts of central Asia
- Not-for-profit association, based in Amsterdam
- Funded from the membership fee
- 7,800 members throughout the region
- Neutral, impartial, open and transparent

The five RIRs

ARIN
American Registry for Internet Numbers

RIPE
NCC

LACNIC

AfriNIC
The Internet Subdomain Registry for Africa

APNIC

RIPE
NCC

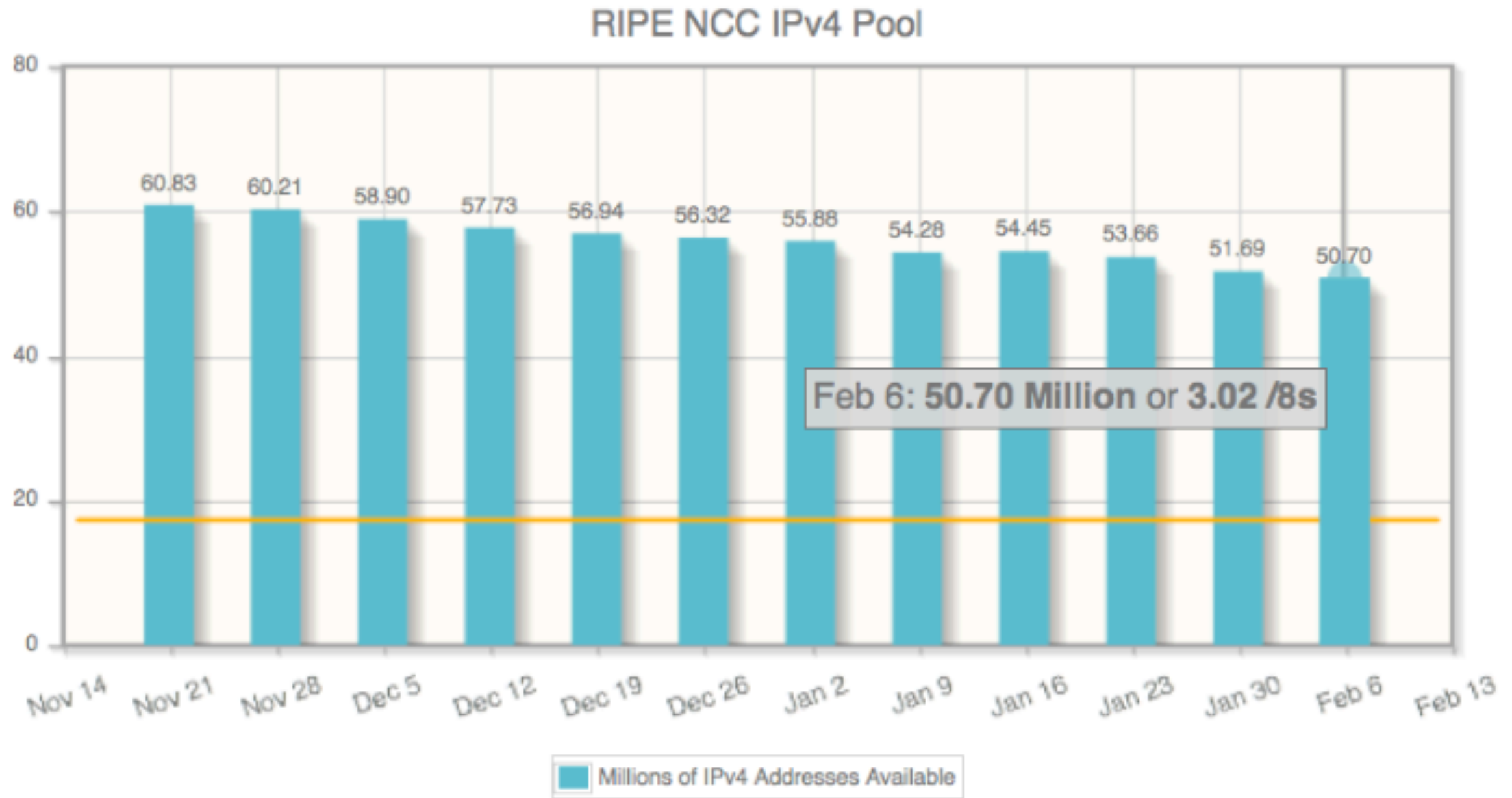
IPv4?



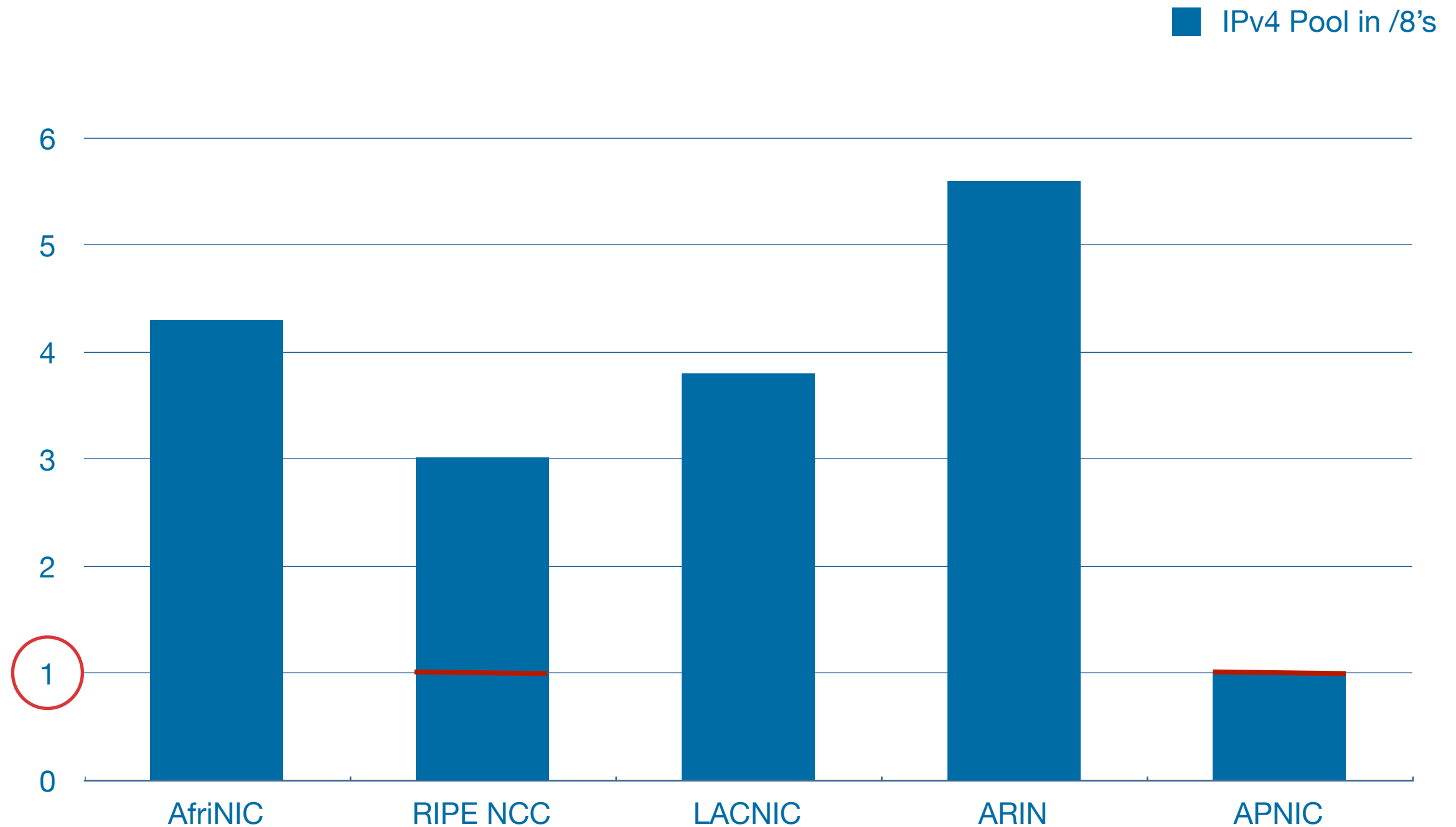
Where are we?



RIPE NCC IPv4 Available Pool



IPv4 Depletion Worldwide



Getting your IPv6 allocation



Getting an IPv6 allocation from the RIPE NCC

- To qualify, an organisation must:
 - Be an LIR
 - Have a plan for making assignments within two years
- Minimum allocation size /32
- Allocation size is based on customer numbers and growth, not on transition technique!

RIPE Policy Proposal 2011-04

- Extension of the Minimum Size for IPv6 Initial Allocation
 - Proposes initial allocation up to a /29
 - For example, for small LIRs to deploy IPv6 via 6RD (RFC 5969)
- Proposal currently in Review Phase
 - The RIPE NCC is working on impact analysis

Getting an IPv6 allocation from APNIC

- APNIC members with IPv4 resources managed by APNIC automatically qualify for an IPv6 allocation
- Minimum allocation size /32
- For larger allocations there are additional requirements

Getting an IPv6 allocation from AfriNIC

- To qualify, an organisation must:
 - Be an LIR
 - Have a plan for making /48 assignments within one year
 - Announce allocation as one single block
 - Show plan to provide IPv6 connectivity
- Minimum allocation size /32

Getting an IPv6 allocation from ARIN

- To qualify, an organisation must:
 - Have an ARIN IPv4 allocation, or qualify for one
 - Multihome IPv6 allocation
 - Have a plan for minimum 50 assignments in five years

- Minimum allocation size /32
 - Unless a /36 is specifically requested

Getting an IPv6 allocation from LACNIC

- To qualify, an organisation must:
 - Have a LACNIC IPv4 allocation and announce it
- **OR:**
 - Be an LIR
 - Show plan to provide IPv6 connectivity
 - Announce IPv6 allocation in one year
 - Offer IPv6 services in LACNIC in two years
- Minimum allocation size /32

Questions?

