A Closer Look at the Final /8 Policy

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Final /8 Policy Documentation

Policies for IPv4 address space management in the Asia Pacific region

- Section 9.10, "Distribution of the final /8 worth of space in the unallocated APNIC IPv4 address pool"

http://www.apnic.net/policy/add-manage-policy#9.10

What Space is the Final /8?

When the total remaining space in the unallocated APNIC address pool reaches a threshold of a **total of one /8,** the following policies come into force…

- Not the "final /8 block from IANA"
- Decision on what constitutes the "total of one /8" left as an operational decision

Allocations

- Each APNIC account holder will be eligible to request and receive a **single allocation from the remaining /8 worth of space**

- **…**All APNIC account holders are eligible to receive only one allocation from the **final /8 worth of address space**. This applies to both current and future account holders.

  (9.10.1 Allocations to LIRs)

- Put simply:
  - Existing and new APNIC account holders can receive a single /22 from the final /8

/16 Reservation

- A /16 will be held in reserve for future uses, as yet unforeseen

  (9.10.2 Allocations for future uses)

- The /16 will be unreserved if a use hasn't been found for it by the time the rest of the final /8 worth of space has been allocated

Transfers

- When we reach the final /8, transfers no longer require any form of evaluation of requirements for eligibility.

  (3. Transfers of IPv4 addresses, "APNIC transfer, merger, acquisition, and takeover policy")

Policy is Dynamic

The policy surrounding address management once we reach the final /8 can change

- It can change now OR;
- After we hit the final /8

What is Not Covered by Policy

- How the Secretariat chooses the final /8

- How to handle returned addresses

  - Does it trigger a rollback on the final /8 if returned addresses take IPv4 pool over a total of one /8 worth of space?

  - Does the final /8 allocation policy also apply to returned addresses?

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