

# ARIN



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**2012-4 Return to 12 Month Supply  
and Reset Trigger to /8 in Free Pool**

Rob Seastrom & David Farmer

# Background

- When we implemented ARIN-2009-8 "Equitable IPv4 Run-Out" the intent was "to ensure an equitable distribution of IPv4 resources as run-out of the ARIN free pool occurs".
- As a result of ARIN-2009-8 a 3 month horizon replaced the 12 month horizon for IPv4 assignment requests when the IANA free pool ran out on 31-Jan-2011.

# The best laid plans...

- Nobody could have anticipated that as a result of a perfect storm of address space returns, inventory on hand, and the globally coordinated final 5 /8 distribution that ARIN would end up with record amounts of IPv4 address space on hand at the time of IANA free pool exhaustion.

# Policy Statement

Add the following to the NRPM:

## 4.2.4.4. Subscriber Members After One Year

After an organization has been a subscriber member of ARIN for one year, they may choose to request up to a twelve (12) month supply of IP addresses. When the ARIN Free Pool is down to the equivalent of one /8, excluding all special reservations, the length of supply that an organization may request will be reduced. An organization may choose to request up to a three (3) month supply of IP addresses. Any request that reduces the ARIN free pool below the /8 threshold above will trigger the reduction for that and all subsequent requests by all organizations.



# Pros

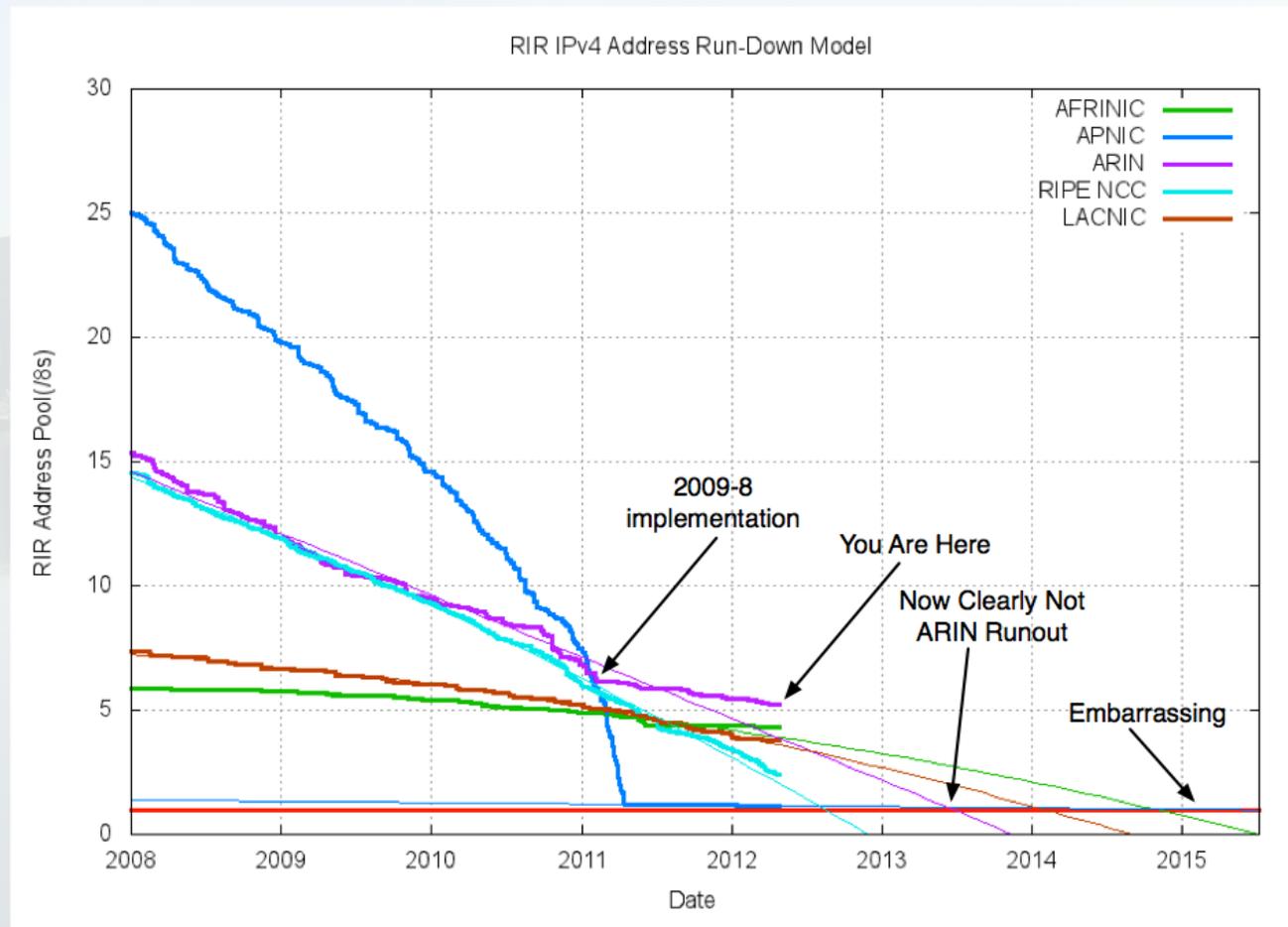
The effect of the 3 month rule on ARIN's runout-run-rate has been enormous.

Being way out of sync with other RIRs does nothing for perceptions of fairness.

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# 1 year's experience shows...



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# 1 last “Pro”

- This policy is likely to restore IPv4 run rate to current pre-2009-8-implementation levels.

(HUH?)



# Cons

- This policy is likely to restore IPv4 run rate to current pre-ARIN-2009-8-implementation levels.



# Cons

- We keep talking about how we need to stop messing around with IPv4 policy in an attempt to have runout be more predictable. Every time we change the rules, we shake things up. This policy would seem counter to that aspiration.



# Cons

- Current approach is is phased (Leslie Nobile's IPv4 Countdown Plan presentation Monday afternoon). This approach is a step function.
- RIPE, believes that an extended 3 month soft landing is a good idea too (RIPE-2009-03) and have been using 3-month since July 2011.
- AfriNIC has a soft landing policy.
- ARIN-2012-4 is not a hard landing, but is a less soft landing.



# Cons

- The largest allocation to date from ARIN was a /9. Assuming this trend continues, it is possible but unlikely that the allocation that puts us over the edge could also be a /9, it is possible that we could end up with a /9 + a /24 in the ARIN free pool when this policy is triggered. Discussed various convoluted wording with author to figure out how to avoid this risk but ultimately decided it was bikeshedding and making the proposal confusing.



# Discussion

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