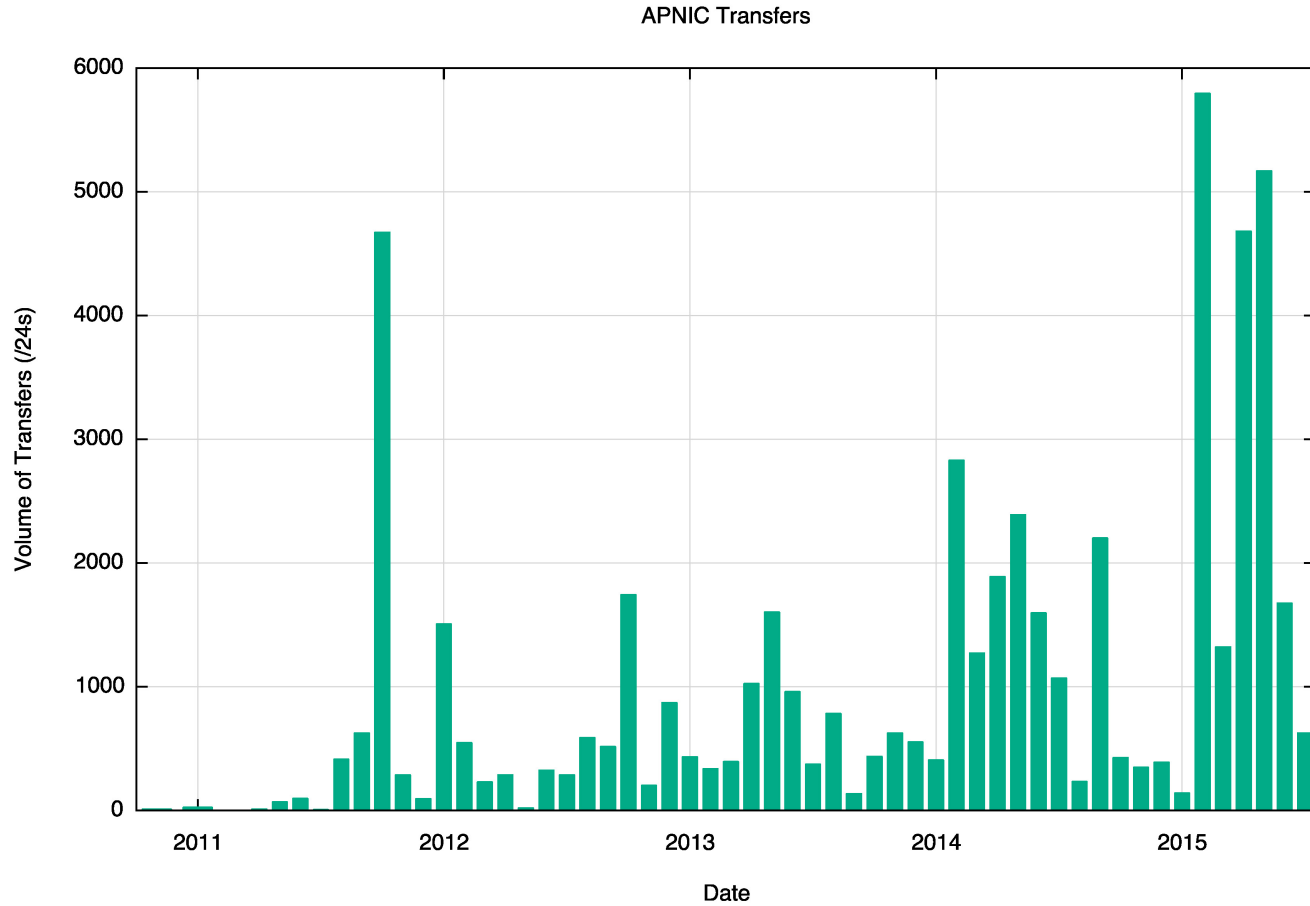


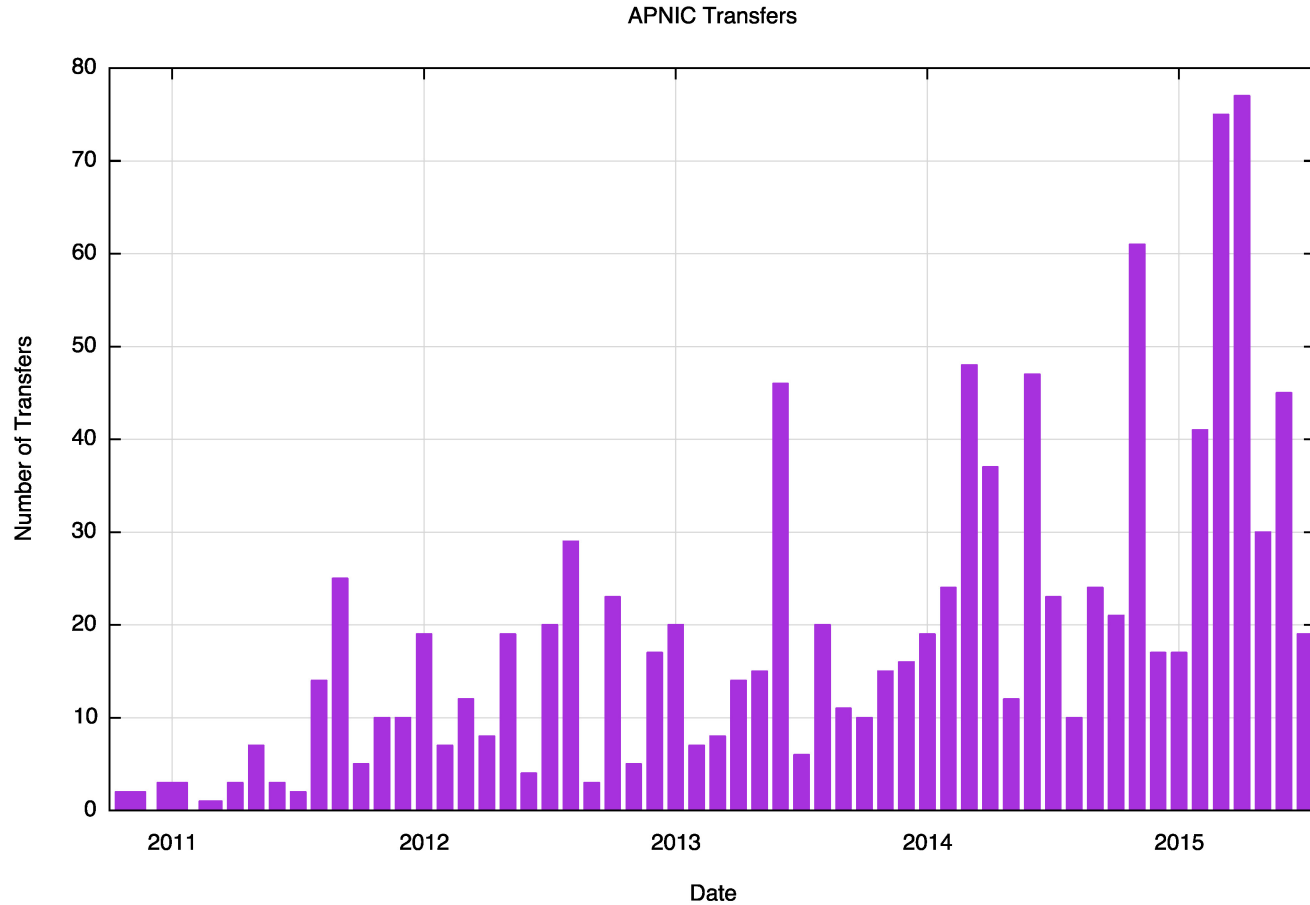
Address Transfers in APNIC

George Michaelson
(Geoff's Data)

History of Transfers: how many /24s



History of Transfers - Activity



Observations

- Activity is increasing, but aperiodic
 - Dependent on need, more than supply?
- Average unit transferred tends to the $/22$
 - Complements the final $/8$ policy ?
- Increasing volume of activity
 - Signs of subsequent re-sale/distribution
 - (based on record updates in registry)
- No signs of hoarding

Economically small but important

- 12m end user addresses (/32)
 - \$120m inferred value @USD10 per /32
 - 1.4% of total APNIC region address holdings
- 596 entities participated in trading
 - from total regional membership (including NIR) of 11,319
- Further detail in Geoff Huston's blog
 - <http://labs.apnic.net/?p=689>

Open Issues (opinion)

- Do we need to think about ‘lease holders’ as a new class of entity?
 - If not full (voting) members, then at least able to keep WHOIS records up-to-date
 - LEA and others want better accuracy of registration data
 - RPKI requires access to signing engines to make ROA for each prefix,origin-as combination
- Accuracy is everything: This is a core RIR issue
 - If leases happen ‘under-the-radar’ this is not good
- Transfers are enabled by intermediaries
 - Arbitrage is not Hoarding
 - Open markets are better than grey markets