

Supermarket Checkouts, Airline Hand-Luggage and Other Trivia

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Self checkout





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i n t e r n e t n e u t r a l e x c h a n g e

Observations About Queueing

well understood mathematically

possible to optimise queueing mechanisms for various outcomes

airlines and supermarkets don't use optimal queueing

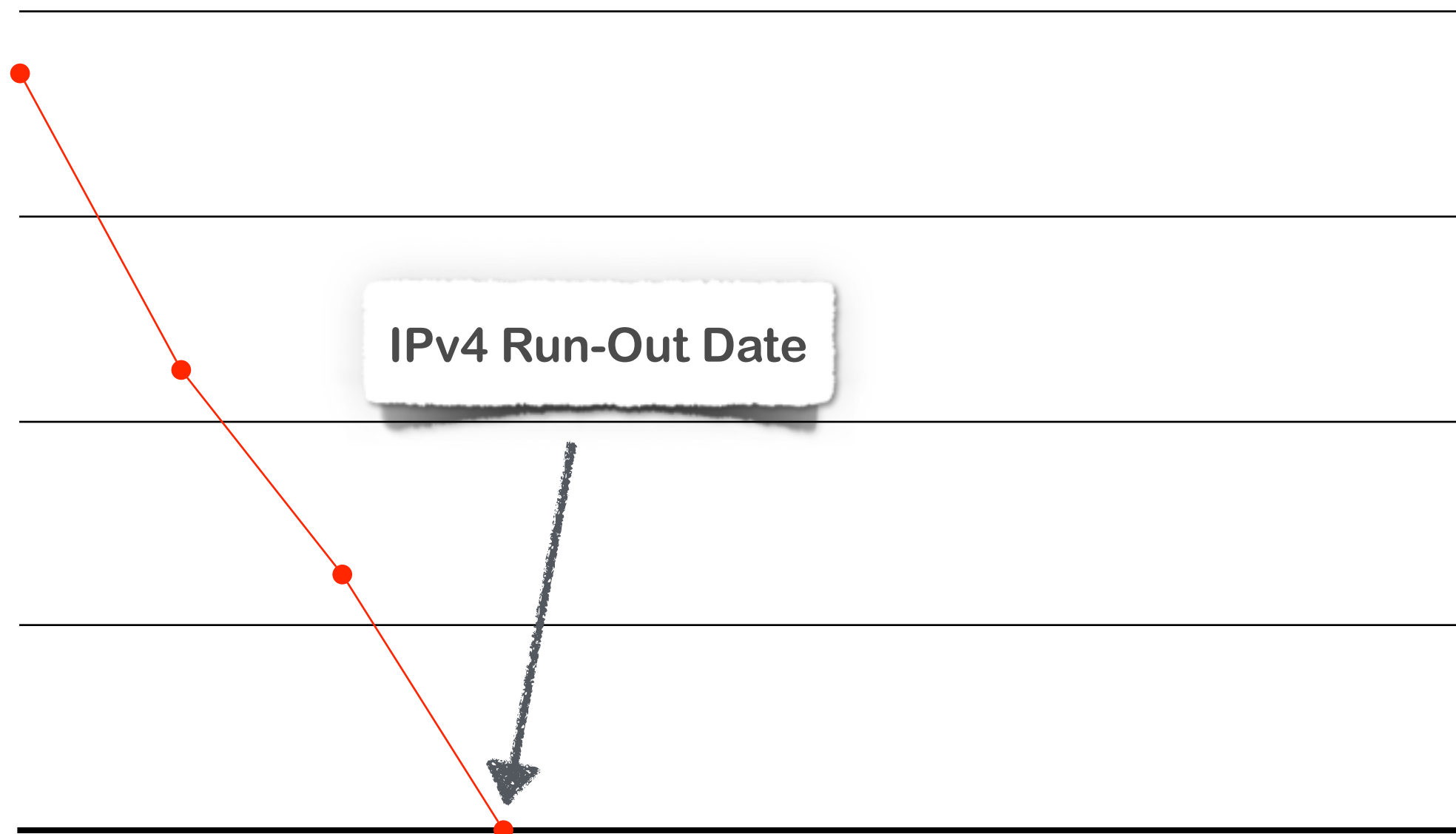
choice perceived to be more important than technocracy

consumer perception does not match reality



i n t e r n e t n e u t r a l e x c h a n g e

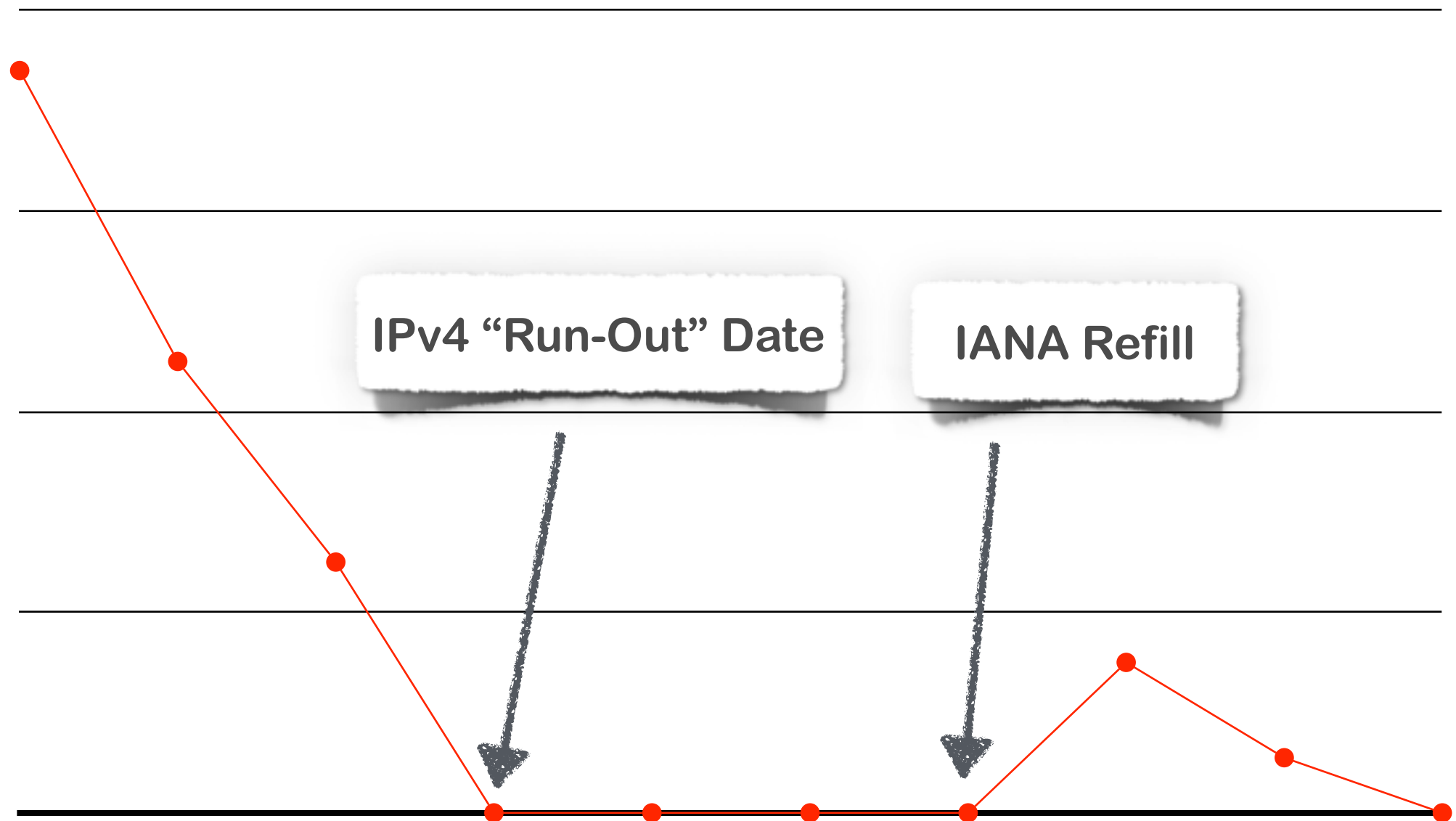
RIPE IPv4 Free Pool Projection





i n t e r n e t n e u t r a l e x c h a n g e

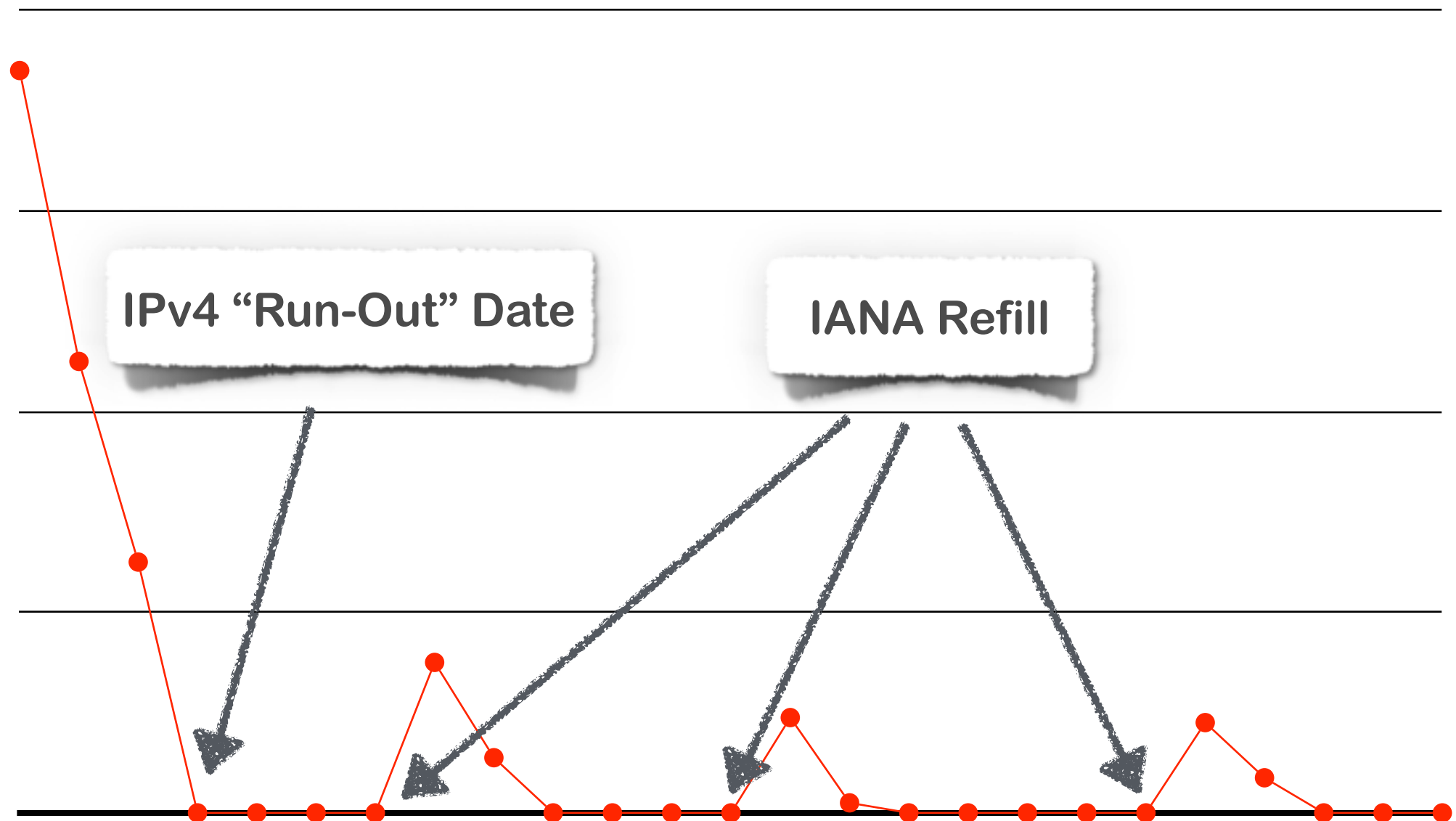
RIPE IPv4 Free Pool After IANA Top-Up





i n e x
i n t e r n e t n e u t r a l e x c h a n g e

Future IANA Top-Ups





i n t e r n e t n e u t r a l e x c h a n g e

Observations About Queueing

when IANA refill happens,
addresses become available

but demand will exceed supply

queueing will happen

come to consensus in apwg

leave decision to ripe ncc

ripe community needs to think
about this



i n e x
i n t e r n e t n e u t r a l e x c h a n g e

Queueing Decisions

fifo or priority based?

do queue positions expire?

how to start the queue?



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