## Does IPv4 Address Transfer Causes Route Increase?

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## Concern on IPv4 Address Transfer (From Prop-050)

5.2.1 Altering the traditional concepts of IP addresses

This proposal has the potential to alter a number of traditional preconceptions relating to addresses and their value, including challenging the concept that addresses are not in and of themselves assets and addresses do no in and of themselves have monetary value outside of the narrow constraints of use in networks for routing and end point identification. Changing these common percpetions about addresses and their use opens up the potential for a number of responses, including:

- The loss of strong aggregation capability in the address space, with the consequent load being imposed on the routing system.
- The significant shift away from a universal need-based address allocation model in the underlying policy framework.


## Number of IPv4 Address Transfers (APNIC+JPNIC)


*1: for July and $1^{\text {st }}$ week of August 2012

## IP Address Transfer and

 Number of Route Advertisement

# Advertisement ratio is growing 

 Many unadvertised prefixes are start advertise by IPv4 address transfers
## Status of Supernet and Punching-Hole


$\square$ Number of Supernet route

- Number of Supernet or more specific routes


## CONCLUSIONS

- The number of transferred IPv4 address block will be increased if current trends continues.
- We observed hundred of route increase by IPv4 address transfers.
- IPv4 address transfer isn't major factor of route increase of full route at this moment.

