Reclaiming unused IPv4

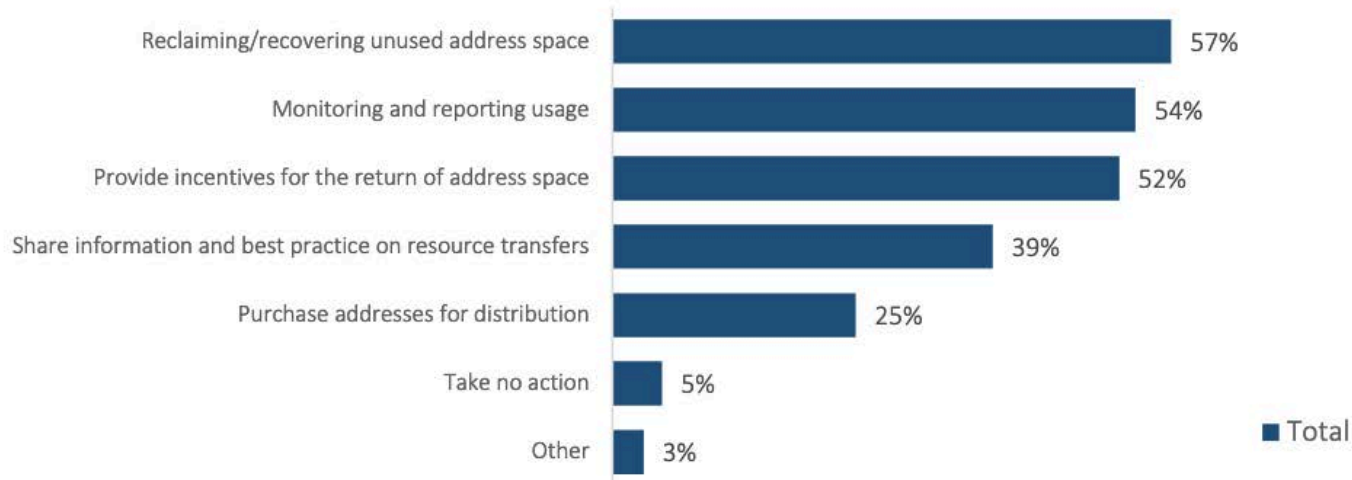**Vivek Nigam**
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ONLINE
8 – 10 September 2020

2018 APNIC Survey

Q14. Thinking about the scarcity of IPv4 addresses, which, if any, of the following IPv4 activities do you think APNIC should undertake?
(Members only: n=903; Total mentions: 2122)

Activity	Total
Reclaiming/recovering unused address space	57%
Monitoring and reporting usage	54%
Provide incentives for the return of address space	52%
Share information and best practice on resource transfers	39%
Purchase addresses for distribution	25%
Take no action	5%
Other	3%

■ Total

APNIC 50

Unused IPv4 addresses

Definition: A /24 or more of a delegated prefix that is no longer needed by its registered holder

Approach

Find APNIC's delegated unadvertised IPv4 addresses and ask the registered holders if they still need them

Project update

Unadvertised IPv4 type		Number of prefixes/ Total size	Public status	Potential actions	Latest update
Under 5 years (Last /8 policy)		719 prefixes 370,000	Allocated or Assigned	Return to pool	Email sent to 604 Members in June
Over 5 years or not from last /8 policy		9449 prefixes 54 million	Allocated or Assigned	Return to pool or transfer	Email sent to 1,309 Members in August
Historical	Uncontactable holder	293 prefixes 2.3 million	Reserved	Return to pool	Being manually followed up since July
	Contactable holder		Reserved	Return to pool, transfer, or claim into an account	
	Voluntarily returned	197 prefixes 1.1 million	Reserved	Return to pool	Returned to pool in August
Unadvertised space under NIR management		11,680 prefixes 53 million	Allocated or assigned	Return to pool or transfer	Being discussed with the NIRs

IPv4 Transfer Listing Service

Questions?

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