APNIC IPv4 Market Transfer

1 March 2017
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Overview

• What’s in IPv4 transfer?
  – Market transfer
  – Transfer conditions

• Transfer process overview
  – Between APNIC accounts
  – Inter RIR transfers

• How to take part in the transfer?
Ways to transfer IPv4

<table>
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<th>Historical resource transfer</th>
<th>Merger &amp; acquisition transfer</th>
<th>Market transfer</th>
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IPv4 market transfer

- Addresses that are no longer in use by a network can be transferred
- Transfers can happen within APNIC region and with other RIR regions (currently ARIN & RIPE)
- Transfer policies
  - 8.1 & 8.2 Internet Resource policies
    - www.apnic.net/policy/resources
  - Feb 2010 - IPv4 transfer in APNIC region
  - Aug 2011 - Inter RIR IPv4 transfer
  - Nov 2011 - Recipients to justify needs criteria
Annual IPv4 Transfers

As at 31 December 2016
Who can transfer?

• Transfers within APNIC region
  – Current APNIC account holders

• Inter RIR transfers
  – Current APNIC account holders and account holders at other RIRs that allow transfers to/from APNIC region
Transfer conditions between APNIC accounts

- Transfer minimum size – a /24
- Addresses must be part of APNIC’s pools and registered to a current account
- Addresses not associated with disputes of custodianship
- Addresses subject to all current APNIC policies from the time of transfer
- Recipients must provide justification
Transfers between APNIC accounts

Start

The source initiates

The recipient accepts and sends request to APNIC

Transfer not approved

Transfer approved

The recipient pays transfer fee

The recipient receives IPv4

End
Recipients: Before transfer between APNIC accounts

• Prepare your justification
  – A detailed 24-month plan for future use
  – Information on past IPv4 usage and its compliance of APNIC policy
• Send your justification for approval
  – Get ‘pre-approval’ before you start your transfer
• Have your pre-approval published on APNIC’s website
  – Allow you to get source contacts
• Join APNIC transfer mailing list
• You may wish to engage an IPv4 broker
• Ask the source to initiate the transfer
Submitting transfer requests: between APNIC accounts

• For the source
  – The source to initiate the transfer
  – Get the recipient’s APNIC account name
  – Check the address ranges carefully
  – Use MyAPNIC to send the transfer to recipient

• For the recipient
  – When receiving notification from the source, use MyAPNIC to accept the transfer within 30 days
  – Provide needs justification if you do not have ‘pre-approval’
Inter RIR transfers: Source account in APNIC region

Start

The source APNIC account initiates and sends request to APNIC

APNIC validates the request

Transfer not approved

Approved by both RIRs

The source APNIC account pays transfer fee

APNIC transfers IPv4 to the other RIR

End
Submitting inter-RIR transfer requests

• For the source
  – Check the recipient organization name (Membership ID/account) of other RIR
  – Check the address ranges carefully
  – Send the transfer form to admin@apnic.net
  
  Other RIR source account holders to contact respective RIRs

• For the recipient
  – APNIC account holders need to provide justification if no pre-approval
Who pays APNIC transfer fees?

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<th>Transfer between APNIC accounts</th>
<th>Inter RIR transfer</th>
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<tbody>
<tr>
<td>The recipient pays</td>
<td>The APNIC account pays</td>
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</table>
How to calculate transfer fees?

• Fees charged in AUD
• 20% of the annual fee for the IPv4 to be transferred
  – Eg /24 is AUD 210 (20% of 1,050)
• Membership annual fee calculator
  – https://submit.apnic.net/cgi-bin/feecalc.pl
• Transferred space will be included for future APNIC membership fee
Can delays happen in transfers?

- Often wire transfer payments may take longer to reach APNIC
- Some requests don’t contain sufficient documentation
- Some recipients take time to respond

Contact Helpdesk Online Chat for quick updates on transfer status
Other things to consider after transfer

- Reverse delegation
  - Allow 24 - 48 hours to complete for Inter-RIR transfers
  - Transfers within APNIC region are within a few hours

- IP Geolocation
  - May need to send updates to providers after you’ve received the addresses
Support available

- Contact APNIC Helpdesk
  - (Mon to Fri, 9am – 9pm UTC +10)
  - Online chat (www.apnic.net/helpdesk)
  - Phone (+61 7 3858 3188)
  - Skype call (ID apnic-helpdesk)
  - Email (helpdesk@apnic.net)
References

• www.apnic.net/transfer
• www.apnic.net/geolocation
• www.apnic.net/mailing-lists
• www.apnic.net/inter-rir
• www.apnic.net/nir-and-apnic
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HO CHI MINH CITY, VIET NAM  20 February – 2 March 2017

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