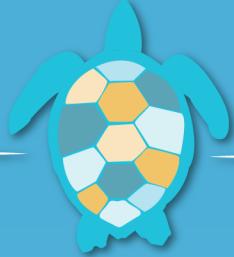


ARIN31



BARBADOS

Update on Resource Transfers

John Curran

Update on Resource Transfers

- Continued IPv4 transfers
 - **Some Bankruptcy-related**
 - **Some larger underutilized blocks**
- Inter-RIR IPv4 transfers
 - **APNIC (8 completed)**
 - **RIPE (tbd?)**
- ASN Transfers
- Legacy Resources

Completed IPv4 Address Space Transfers (NRPM 8.3)

204.16.240.0/21	198.32.182.0/23	67.215.108.0/22	131.253.62.0/23	192.84.161.0/24	47.16.0.0/14	47.72.0.0/15
216.243.96.0/20	198.32.190.0/23	69.55.32.0/20	131.253.64.0/18	198.49.8.0/24	47.20.0.0/14	131.150.144.0/20
198.32.99.0/24	198.32.192.0/24	131.253.1.0/24	131.253.128.0/17	198.200.130.0/24	64.72.208.0/20	199.15.232.0/21
198.32.100.0/22	198.32.241.0/24	131.253.3.0/24	132.245.0.0/16	198.206.164.0/24	128.136.0.0/16	35.248.0.0/13
198.32.104.0/21	198.32.242.0/23	131.253.5.0/24	134.170.0.0/16	199.30.16.0/20	136.146.0.0/16	158.106.64.0/18
198.32.112.0/21	66.128.0.0/20	131.253.6.0/24	134.177.0.0/16	199.74.210.0/24	136.147.0.0/16	136.179.0.0/16
198.32.120.0/22	69.164.128.0/20	131.253.8.0/24	137.116.0.0/16	199.242.32.0/20	165.225.128.0/18	157.250.0.0/18
198.32.124.0/23	198.32.195.0/24	131.253.12.0/22	137.117.0.0/16	199.242.48.0/21	170.71.0.0/16	40.128.0.0/12
198.32.128.0/24	198.32.196.0/24	131.253.16.0/23	137.135.0.0/16	204.152.140.0/23	54.224.0.0/12	206.190.128.0/19
198.32.129.0/24	130.167.0.0/16	131.253.18.0/24	138.91.0.0/16	205.174.224.0/20	65.22.0.0/16	209.95.32.0/19
198.32.133.0/24	198.32.144.0/24	131.253.21.0/24	141.251.0.0/16	160.153.0.0/16	208.67.120.0/21	159.118.0.0/16
198.32.134.0/23	199.7.82.0/24	131.253.22.0/23	192.32.0.0/16	216.71.224.0/20	47.54.0.0/15	209.71.128.0/19
198.32.175.0/24	198.32.132.0/24	131.253.24.0/21	192.48.225.0/24	54.240.0.0/12	199.254.238.0/24	54.208.0.0/13
198.32.176.0/23	198.32.186.0/24	131.253.32.0/20	192.84.159.0/24	174.44.0.0/16	47.53.0.0/16	54.216.0.0/14
198.32.181.0/24	216.139.64.0/19	131.253.61.0/24	192.84.160.0/24	208.83.128.0/22	47.58.0.0/15	54.220.0.0/15
					47.60.0.0/14	192.64.205.0/24
					47.64.0.0/13	198.32.224.0/20

Resources Transferred under NRPM 8.3

- Total IPv4 blocks transferred: 30,540 /24s
- Total ASNs transferred: 7
 - **Covered under RSA prior to transfer**
 - 4638 /24s, 6 ASNs
 - **Covered under LRSA prior to transfer**
 - 2156 /24s, 0 ASNs
 - **Not covered prior to transfer (legacy)**
 - 23,746 /24s, 1 ASN

Transfers Between Specified Recipients (NRPM 8.3) Requests

8.3 Transfer Requests (Jan 1, 2011 through Mar 31, 2013)	Totals	Percentage
Requested	84	
Completed	47	56%
Denied	16	19%
Pending	12	14%
Abandoned	9	11%

NRPM 8.3 Transfers – Reasons for Denial

- Requests to transfer to a party without any operational need
- Requests to transfer blocks by other than actual registrant
- Requests to transfer block sizes smaller than minimum
- Requests to transfer blocks larger than needed by recipient

Completed Inter-RIR Transfers (NRPM 8.4)

IPv4 Address Range	Region of the Recipient of the Transfer	Effective Date
205.166.177.0/24	APNIC	October 2012
198.180.142.0/24	APNIC	December 2012
199.43.18.0/23	APNIC	December 2012
199.43.45.0/24	APNIC	December 2012
199.43.63.0/24	APNIC	December 2012
204.75.142.0/24	APNIC	December 2012
157.250.64.0/18	APNIC	January 2013
132.147.64.0/18	APNIC	January 2013

Resources Transferred under NRPM 8.4

- Total IPv4 blocks transferred: 135 /24s
 - **Covered under RSA prior to transfer**
 - 68 /24s
 - **Covered under LRSA prior to transfer**
 - 2 /24s
 - **Not covered prior to transfer (legacy)**
 - 65 /24s

Inter-RIR Transfers Between Specified Recipients (NRPM 8.4) Requests

8.4 Transfers August 1, 2012 thru Mar 31, 2013	Totals	Percentage
Requested	12	
Completed	6	50%
Denied	0	
Pending	6	50%
Abandoned	0	

Inter-RIR Transfers to/from RIPE Region

- RIPE Policy Proposal 2012-02: “Policy for Inter-RIR Transfers of IPv4 Address Space”
 - **If adopted, would be compatible with ARIN’s Inter-RIR transfer policy, thus opening up transfers to/from parties in RIPE region**
- RIPE Policy Proposal 2013-03: “No Need - Post-Depletion Reality Adjustment and Cleanup”
 - **If adopted, would prevent transfers to/from RIPE region, until such time as RIPE or ARIN xfer policy were aligned by further change**

Completed AS Transfers (NRPM 8.3)

Autonomous System Number	Effective Date
AS3943	August 2012
AS62	August 2012
AS19996	December 2012
AS4557	February 2013
AS4555	March 2013
AS12189	March 2013
AS22557	March 2013

Draft Policy ARIN-2013-1 “Section 8.4 Inter-RIR Transfers of ASNs”

- Recommend by ARIN AC
- To be discussed at ARIN 31 (onsite and remote participants)
- If supported by the community, could be advanced to last call then ARIN Board for adoption by early summer 2013

ARIN-Registered Transfer Facilitators

IPtrading.com	NCS-147	Mike Burns
Kalorama Group	KGL-14	Josh Bourne
Berkeley Research Group	BRGL	Adam Carroll
Hilco Streambank	HISL-5	Jack Hazan
ThinkFire Services USA	TSUL-2	W. Drew Kastner
IPV4 Brokerage Services	IBSL-5	Kim Larrabee
IPv4 Market Group	IMGL-3	Jeff Mehlenbacher
Voxel Dot Net	VDN-1	Adam Rothschild

Contact information available on ARIN's web site under "Registered STLS Facilitators"

Legacy Resources at ARIN

- On December 3, 2012, the National Telecommunications and Information Administration ("NTIA") published the US Government's "Internet Protocol Numbering Principles", including that it recognizes ARIN as the RIR for the region, including supporting policies developed by the community through ARIN. This was after uncertainty as a result of remarks from the National Science Foundation General Counsel (NSF GC). The NTIA statement of IP number principles is here: <http://www.ntia.doc.gov/blog/2012/united-states-government-s-internet-protocol-numbering-principles>
- Consistent with the NTIA guidance, ARIN continues its stewardship & management of all resources in region through the policies developed and supported by the community via the multistakeholder model.

(You can read the August 30, 2012 letter from the NSF GC -

https://www.arin.net/resources/legacy/NSF_GC_Letter_RE_ARIN.pdf

and ARIN's response to the NSF GC to clarify the issues in their letter –

<https://www.arin.net/resources/legacy/ARIN-Rudolph-NSF-18OCT2012.pdf>

and the NSF GC reply letter to ARIN in November, stating his earlier letter of observations and beliefs were not an official U.S. Government legal or policy position on Internet governance -

<https://www.arin.net/resources/legacy/NSF-Rudolph-ARIN-7NOV2012.pdf>)

