

APNIC Update

LACNIC 25

La Habana, May 2016

Paul Wilson

APNIC's Vision

*A global, open, stable and secure
Internet that serves the entire Asia
Pacific community*

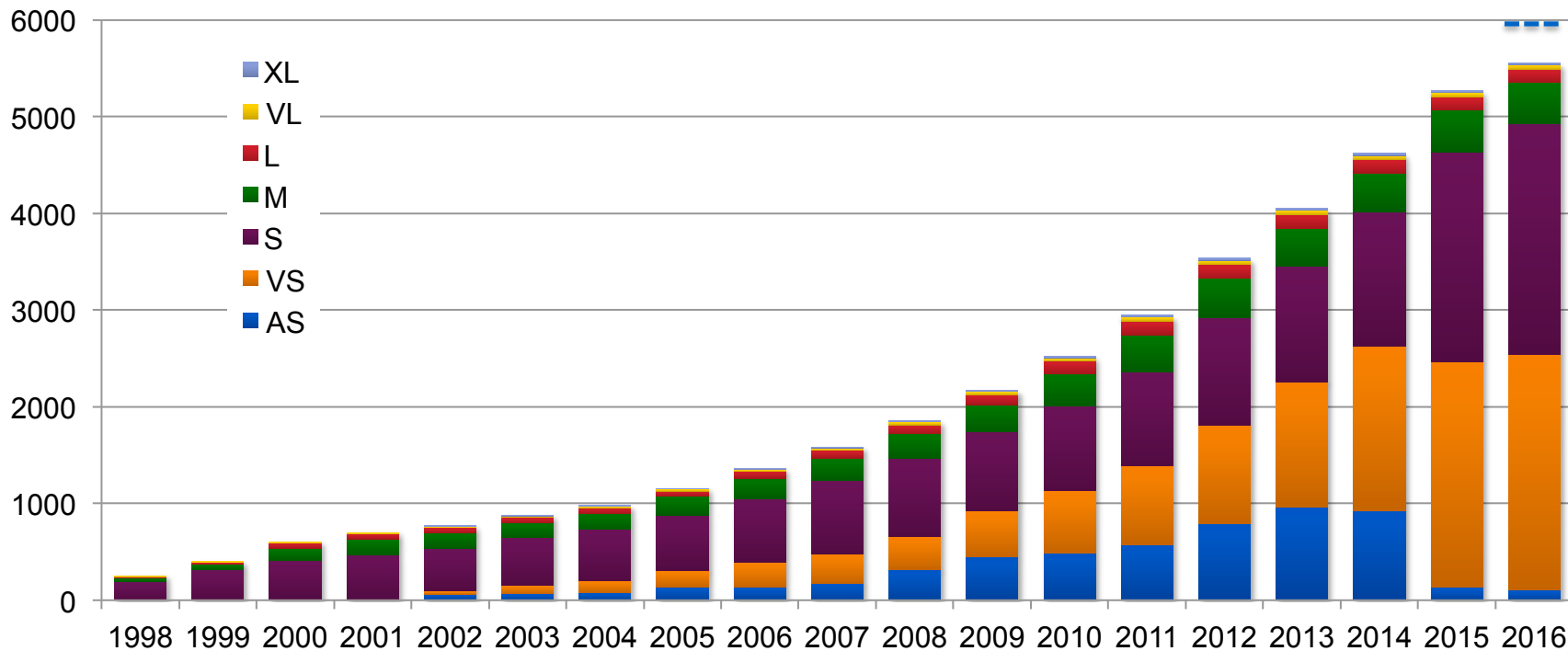
APNIC Activities

Serving

Supporting

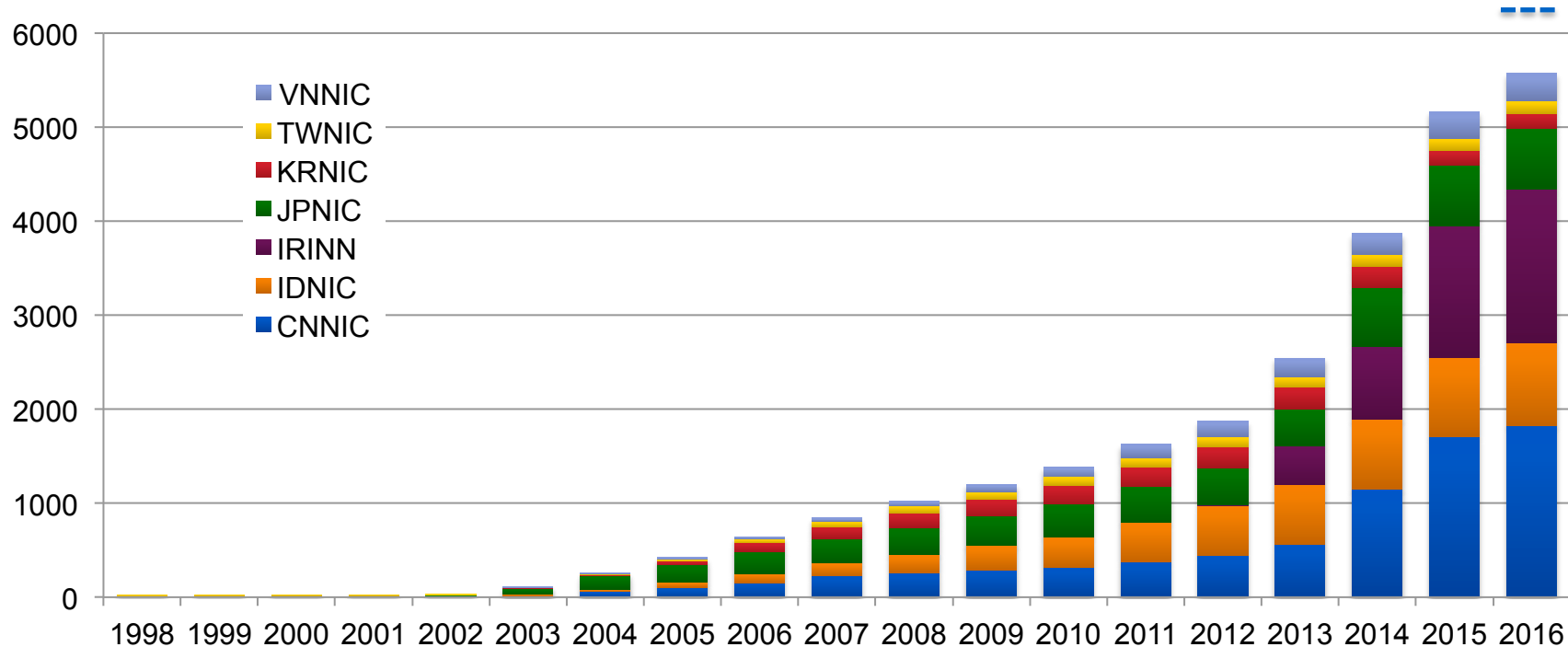
Cooperating

APNIC Membership



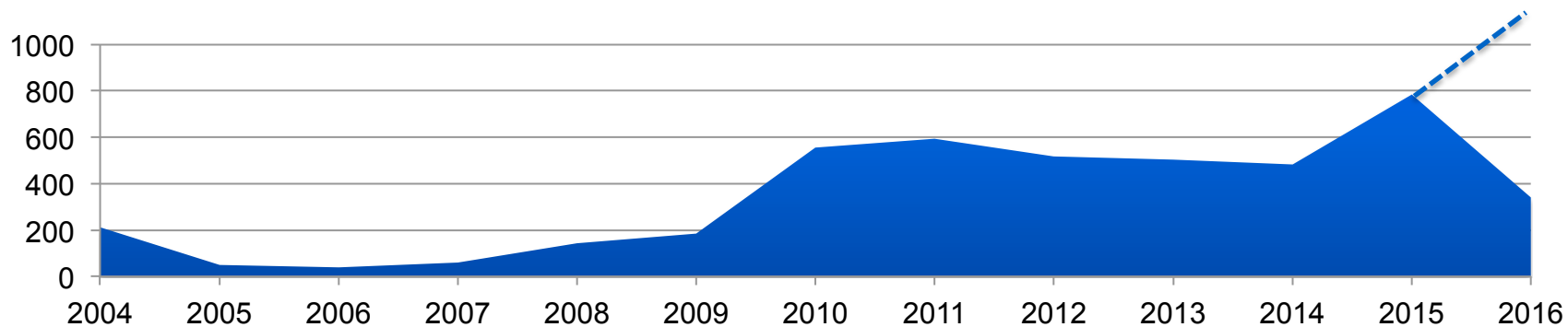
As at 30 Apr

Total NIR Sub-accounts



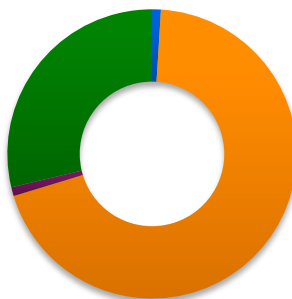
As at 30 Apr

Annual IPv6 Delegations



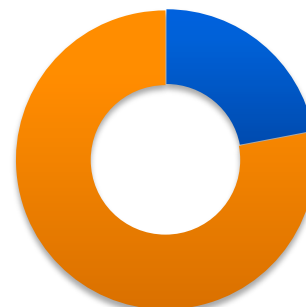
By delegation type

■ Allocation
■ Assignment



By size

■ >=/31
■ /32
■ /43-/47
■ /48

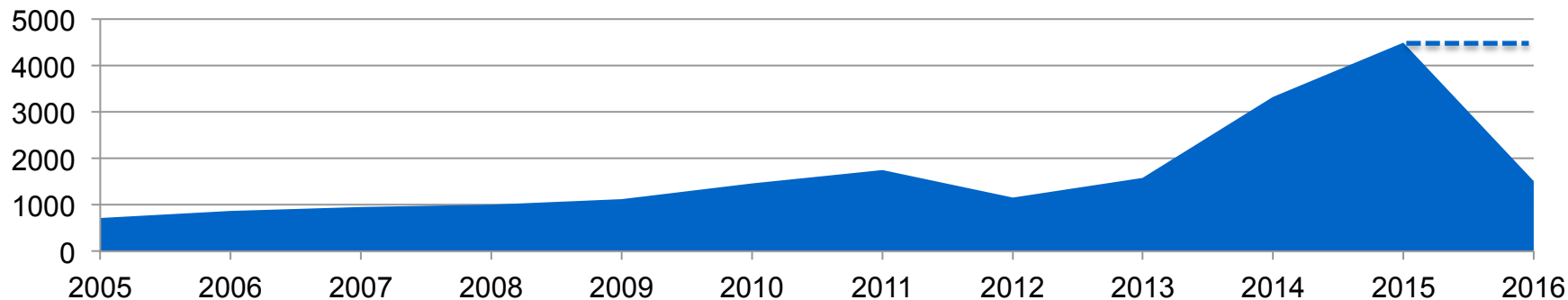


By request type

■ One-click
■ Normal

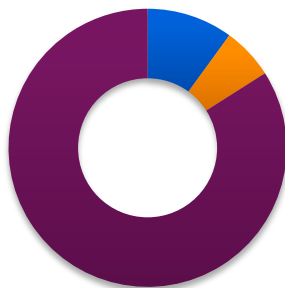
As at 30 Apr

Annual IPv4 Delegations



■ From 103 pool
■ From recovered pool

By pool



■ /24
■ /23
■ /22

By size

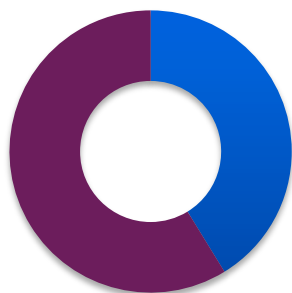
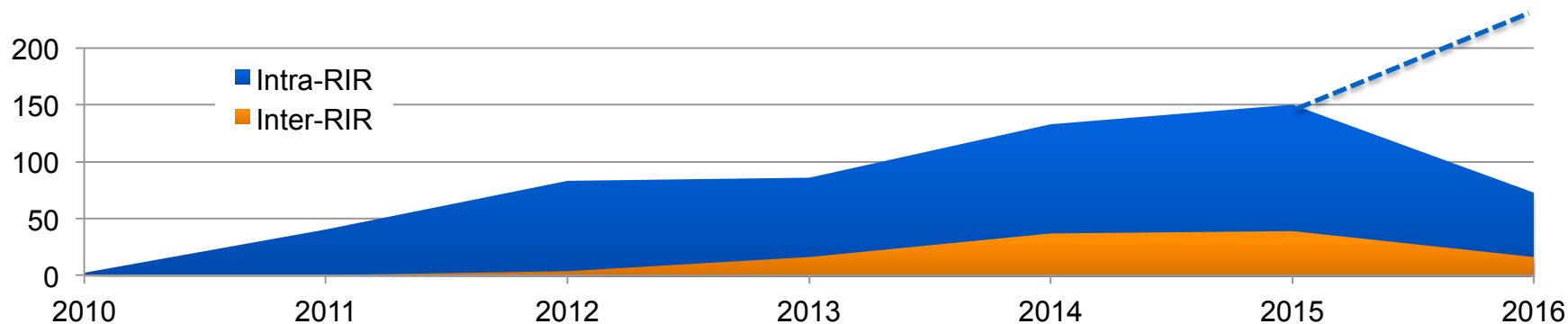


■ NIR
■ New
■ Existing

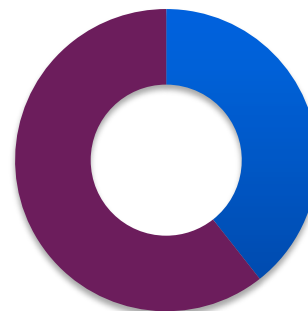
By Member

As at 30 Apr

Annual IPv4 Transfers



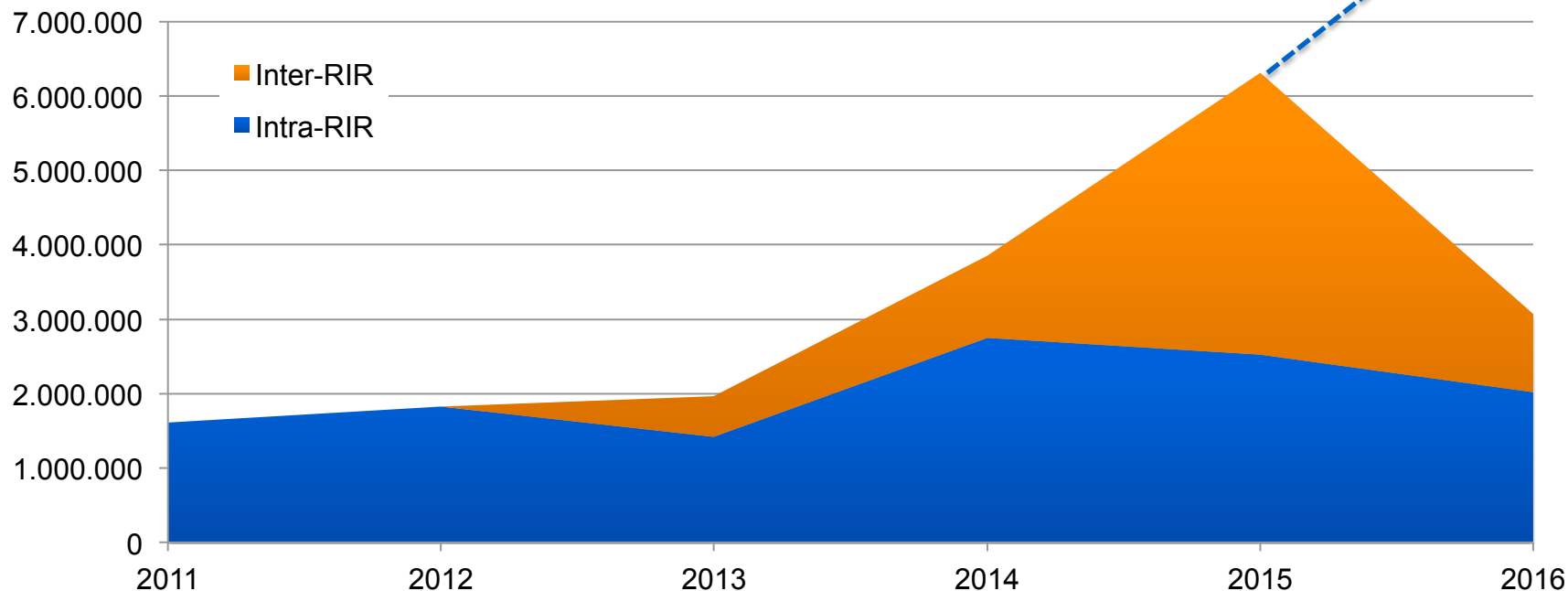
Using listing service



Pre-approval usage

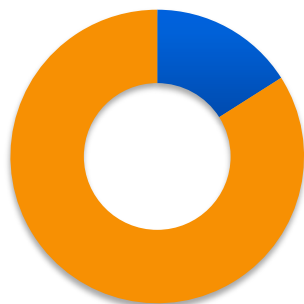
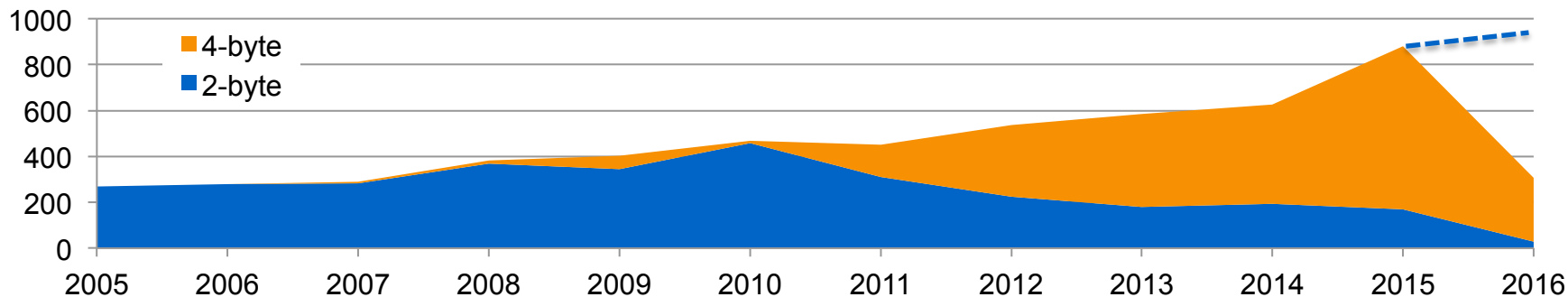
As at 30 Apr

Total IPv4 Addresses Transferred

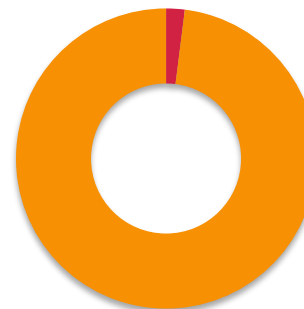


As at 30 Apr

Annual ASN Assignments



By type



4-byte return rate

As at 30 Apr

MyAPNIC Improvements

- Authorized contact management
- Route and ROA management
- Whois records management
- Speed – 24% faster response time
- Reverse DNS management
- Simplified whois updates

Whois Accuracy

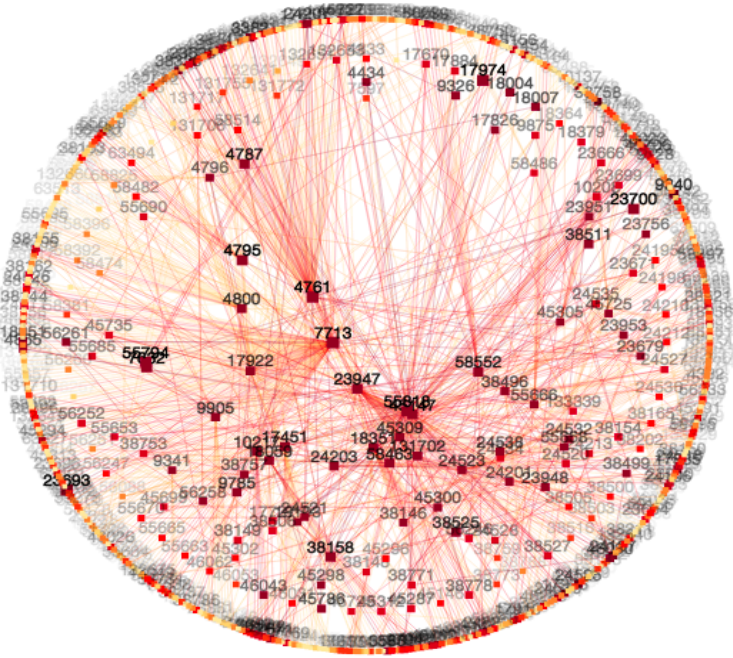
- Clearer information about contacts on objects
- Simplifying contact update process
- Monthly cleanup program of referenced objects
- Easily report invalid contacts
- Assisting with IRT registration process
- Guidelines on using and updating whois records

RPKI

- Ready to ROA
 - ROAs created: 375
 - Increase 0.8 to 3.5% coverage
 - IPv4 under ROA: 0.85%
 - IPv6 under ROA: 0.23%
 - www.apnic.net/roa
- RPKI Signing of RPSL objects
 - Prototype in cooperation with RIPE NCC
 - Based on draft-ietf-sidr-rpsl-sig



ASN Visual Exploration: vizAS



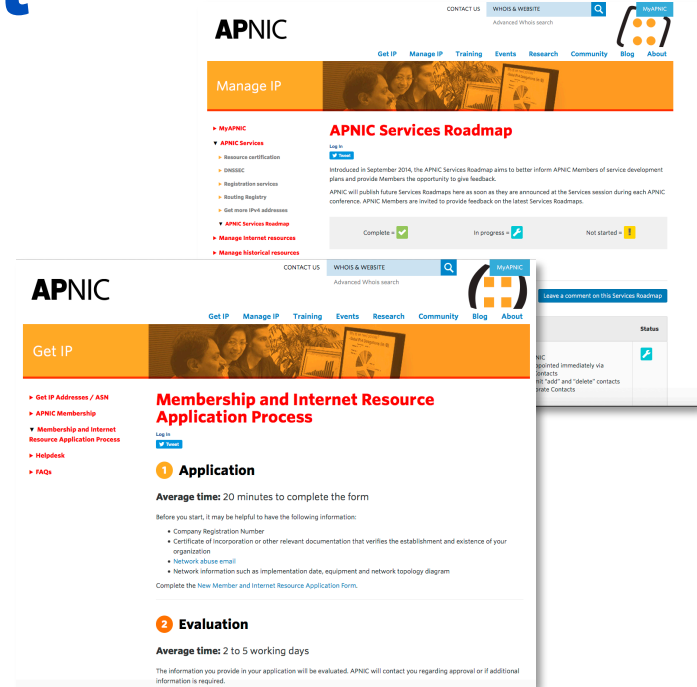
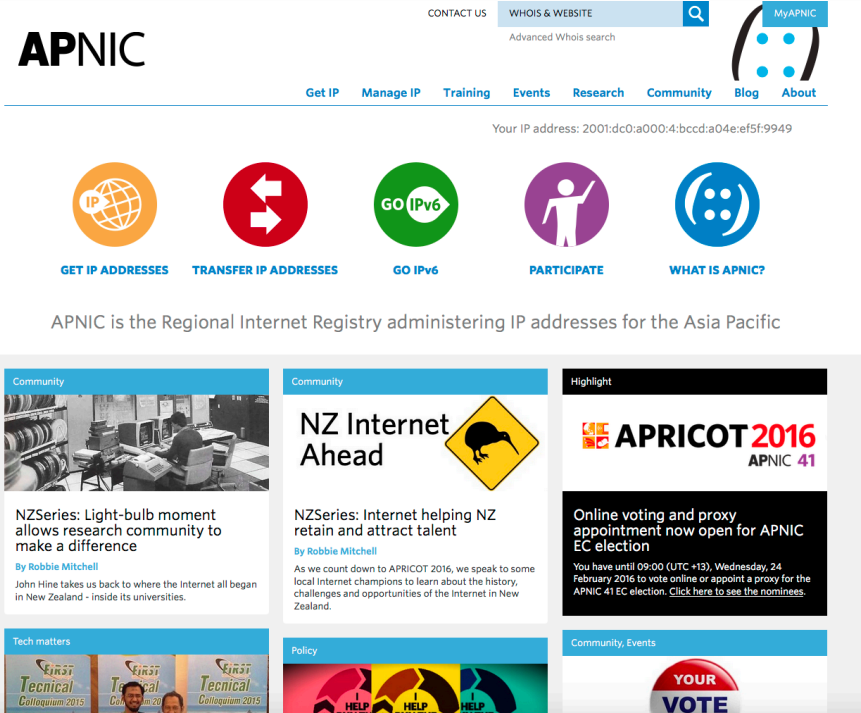
Graphical display of BGP paths within a single economy

Relationships between service and transit ASNs identified

Public tool – Have a go!

labs.apnic.net/vizas

Website Improvement



Navigation and usability improvements to home page and services pages

Improving Communication



Event Wrap: Taiwan Internet Forum

By Robbie Mitchell on 17 Dec 2015

Categories: Community, Events

Tags: Event Wrap, Internet of Things, IPv6, Taiwan, Taiwan Internet Forum, TWNIC

Log in

Blog home



APNIC staff participated in the inaugural Taiwan Internet Forum held in Taipei, Taiwan from 8 to 11 December.

TWNIC launches 2015 Taiwan Internet Forum in Taipei

Hosted by TWNIC, the event included three parallel meetings: the Global IPv6 Summit in Taiwan, the TWNIC IP Open Policy Meeting, and the Taiwan

Infrastructure Forum and Policy Meeting.

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Get updates

APNIC

Encouraging more women to consider an ICT career in Fiji

By Bhadrika Magan on 9 Dec 2015

Categories: Community, Development



Recognized fact that women are not equally represented in the ICT industry, United Nations (UN) figures highlighting an estimated shortfall of more than 10 million skilled female ICT professionals worldwide.

Has not escaped the attention of Seneke Naranjo, Communications Officer at UN Women in Fiji. UN Women is mandated to get more women used in male-majority roles, such as computer programming and technical structure, as part of the World Bank Information Development Goal, which notes gender equality and the empowerment of women.

She, who was also an APNIC 38 fellow, has witnessed the lack of women in skilled roles in Fiji. Along with other interested women, she joined a 'Girls Empower in ICT' group to help encourage more women to consider a career in their field. The group is part of the UN Women's 'Girls in ICT Day' event, which is held annually to discuss the issues facing women in the ICT industry.

Turning the Tide for Women in the Pacific' forum in Nadi, Fiji, in November. The forum was also attended by APNIC 38 fellows, who witnessed the lack of women in skilled roles in Fiji. Along with other interested women, she joined a 'Girls Empower in ICT' group to help encourage more women to consider a career in their field. The group is part of the UN Women's 'Girls in ICT Day' event, which is held annually to discuss the issues facing women in the ICT industry.

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Blog and social media provide day-to-day insight into APNIC and community

Great community content – 68 Guest Posts – thank you

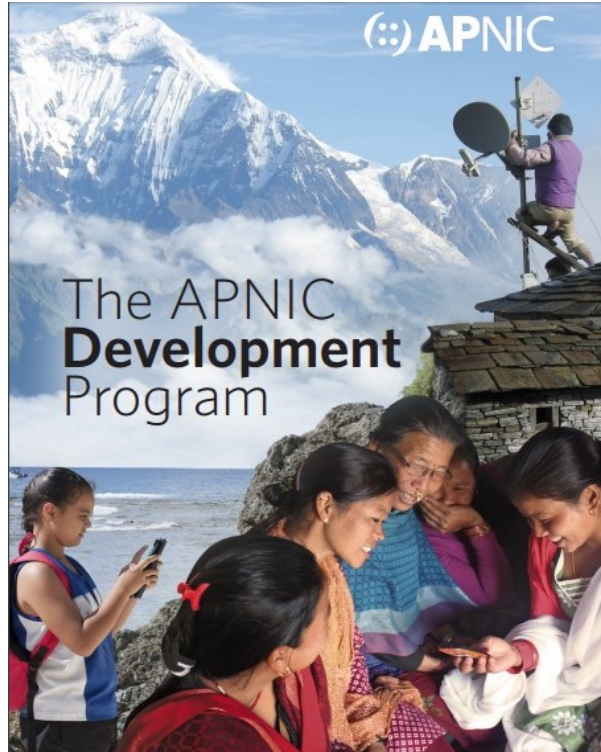
652 blog posts
128 event wrap reports
187,510 views

Award winning!



blog.apnic.net

APNIC Development Program



Supports Internet development in the Asia Pacific region through:

- Training and technical assistance
- Infrastructure support
- Grants and awards
- Research support

APNIC Training



	2015	2016
Face-face		
Courses	77	17
Locations	20	11
Trainees	2194	504
eLearning		
Sessions	117	51
Trainees	726	395
Archive		
Videos	80	86
Views	138,319	365,337

NOG Support



17 NOG events in 2015:

JANOG, HKNOG, PHNOG, bdNOG, LKNOG,
MyNOG, SGNOC, IDNOG, AusNOG, NZNOG,
SANOG, PACNOG, MMNOG

So far in 2016:

JANOG, PHNOG, SANOG, bdNOG

... and more to come!



Community Support



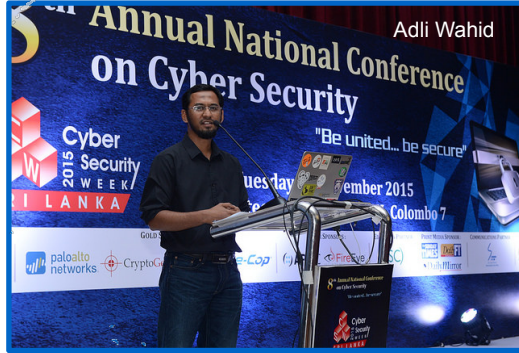
Supported RIPE Atlas:
5 Anchors, 120 probes

24 fellowships for APNIC 40
24 for APRICOT 2016

Supporting new L-root
(ICANN) servers in Apia,
Samoa

Working with NSRC on IXP
support in New Caledonia
and Samoa

Security Outreach



NOGs, CSIRTs and LEA events
PK, CN, HK, KR, JP, PH, SG,
MY, ID, AU, LK, MV, TW

Collaboration with JICA and
KISA to deliver regional
CERT training

Geoff Huston member of
ICANN SSAC

Adli Wahid member of FIRST
Board; invited to join
INTERPOL Global
Cybercrime Expert Group

www.apnic.net/security

IPv6 Outreach



2015

- 539 trainees in 13 economies
- IPv6 presentations at 14 events
- IPv6 workshop with ITU in TH and TAS in MN
- Supporting APIIPv6TF Secretariat



www.apnic.net/ipv6

APNIC Events



APRICOT
2016

2015

16 economies: PK, BD, LK, MM, KH, TH, MY, SG, PH, ID, SB, JP, MN, GU, LA, MG

Attendance

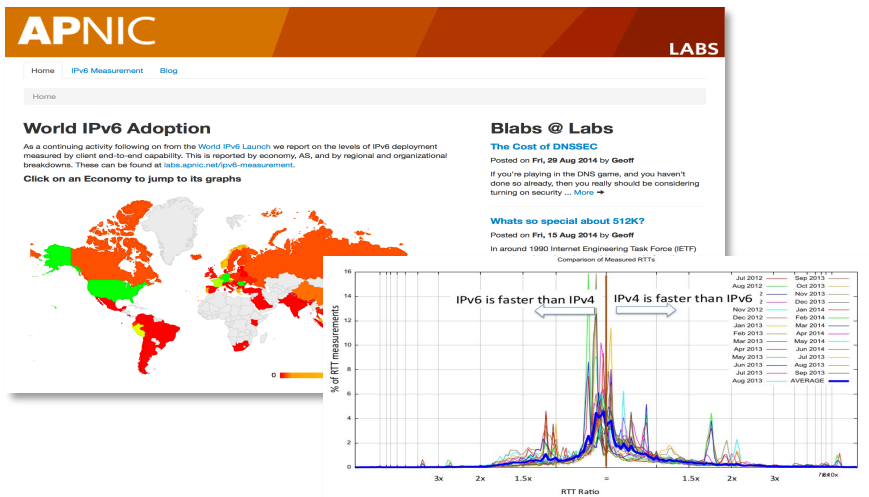
- Conferences: 1,364
- Member outreach events: 614

2016 (to date)

- Conference: 531 (NZ)
- Member outreach events: 186 (NP)

APNIC Labs

Research statistics and evidence to help the APNIC community make informed technical decisions



Over 3 million measurements per day

Measuring IPv6, DNSSEC, DNS

HTML5 allows measurements on mobile devices (replacing Flash)

Critical data for DNS Root Zone key roll and ICANN's Universal Acceptance (IDN) program

Research presentations at 18 forums including IETF, RIRs, ICANN, DNS OARC, NOGs, OECD

labs.apnic.net

A charitable foundation registered in Hong Kong to support and expand the APNIC Development Program



APNIC
FOUNDATION

Cooperating Globally

Serving

Supporting

Cooperating

Next APNIC Conference



APNIC 42 (with bdNOG 6),
Dhaka, Bangladesh
29 Sep - 6 Oct 2016

conference.apnic.net/42

Later Conferences

- APRICOT 2017, Ho Chi Minh City, Vietnam
 - 20 February to 2 March 2017
- APNIC 44, Taichung, Taiwan
 - 7 to 14 September 2017

Coming Soon: APNIC Survey 2016

We want your views on
APNIC!

Survey open July –
more details soon

Stay in Touch!



blog.apnic.net
apnic.net/social

Thanks

dg@apnic.net