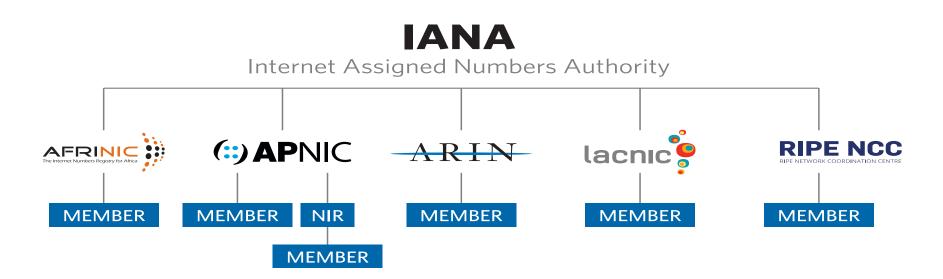
Introduction to APNIC and Regional Internet Registries (RIRs)

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APIGA 2018 24 July 2018

Internet Registry Structure





What is APNIC?

- The Regional Internet address Registry (RIR) for the AP region
- Manages Internet number resources
 - Including IPv4 and IPv6 addresses
- Supports training, education and internet development
- A neutral, independent, not-for-profit, open membership-based organisation, since 1993

www.apnic.net

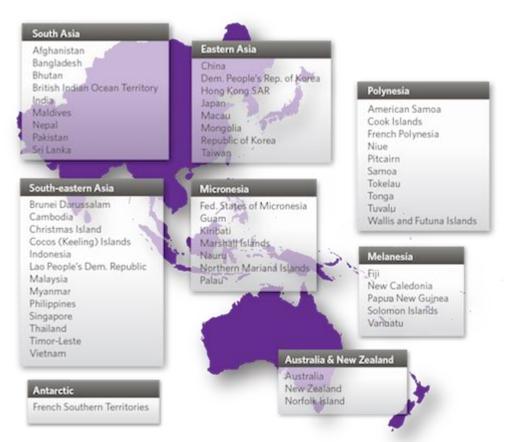


Where is the APNIC Region?



APNIC Region

- APNIC covers the entire Asia Pacific, comprising 56 economies throughout Asia and Oceania.
- APNIC classifies these economies into four regions: South Asia, South East Asia, East Asia and Oceania.



APNIC – Vision

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

How we achieve this:

- Serving Members
- Supporting the Asia Pacific Region
- Collaborating with the Internet Community

What does APNIC do? APNIC services Members

Resource distribution

- IP addresses
- AS numbers

Registration services

- reverse DNS
- Internet routing registry
- resource certification
- whois registry

What does APNIC do? **APNIC** supports the Asia Pacific region

Policy development

Capacity building

- training
- workshops
- conferences
- fellowships
- grants

Infrastructure

- root servers
- IXPs
- engineering assistance

What does APNIC do?
APNIC collaborates
with the Internet
community

Original research

Data collection and measurements

Publications

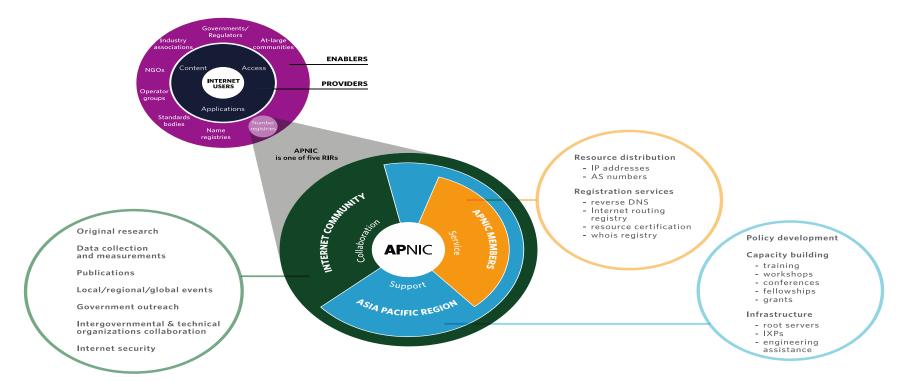
Local/regional/global events

Government outreach

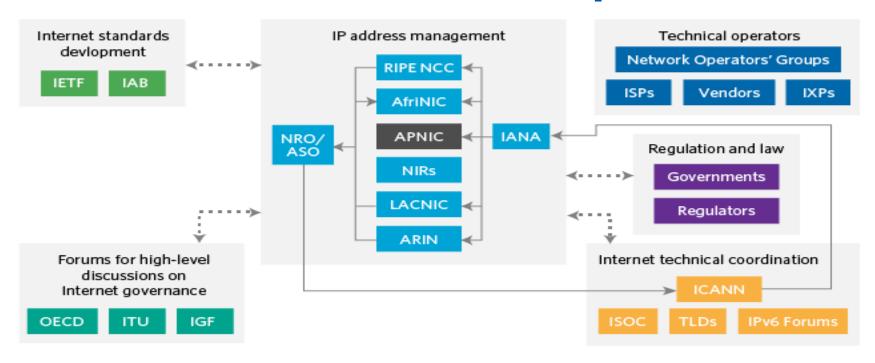
Intergovernmental & technical organizations collaboration

Internet security

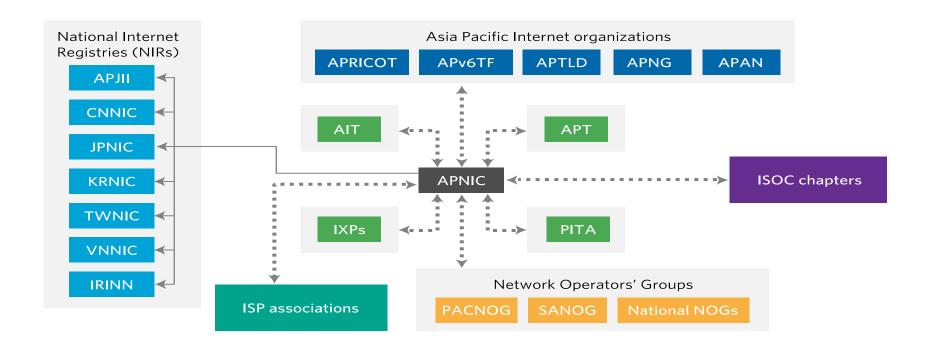
APNIC in the Internet Ecosystem



APNIC from a Global Perspective



APNIC in the Asia Pacific



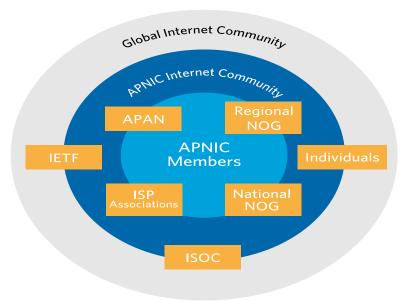
Policy Development

 Creating a policy environment that supports the region's Internet development

Developed by the membership and broader Internet community

You are part of the APNIC community!

Open forum in the Asia Pacific



A voice in regional Internet operations through participation in APNIC

Global Policy Coordination



The purpose of the Address Supporting Organization (ASO) is to review and develop recommendations on Internet Protocol (IP) address policy and to advise the ICANN Board.

https://aso.icann.org/

Training and Technical Assistance





- 62 face-to-face courses in 25 locations to 1,934 trainees
- Nine community trainers delivered 12 face-to-face courses in six locations
- 883 trainees in 130 eLearning sessions
- Updated IRM, IRR, Network Security, MPLS, SDN, NFV courses with new hands-on exercises
- Technical Assistance provided to nine Members (ID, FJ, NC, BD, TL)

Community Outreach

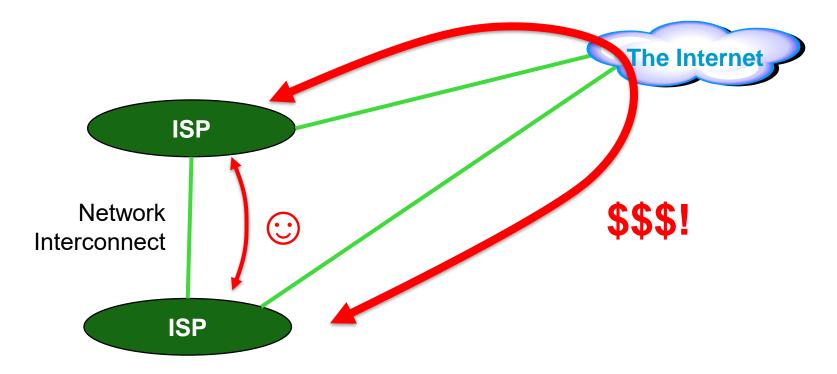




- Supported 13 NOG and IX events with presentations, hostmaster consultations, tech support and sponsorship
- IXP workshop and technical assistance provided in Timor L'este, resulting in test case IXP
- J-root instance in APNIC's co-location facility
- 3 RIPE Atlas Anchors deployed: BT, KH and PG (+4 underway NP, MM, IN, MN); 112+ Atlas probes

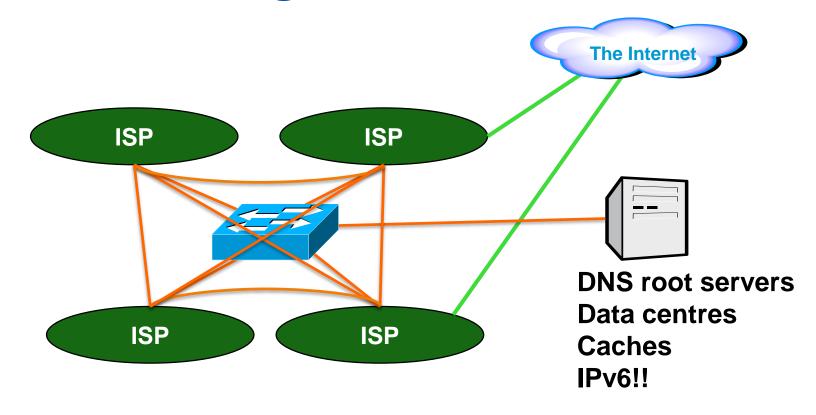
APNIC

Internet Exchange Points



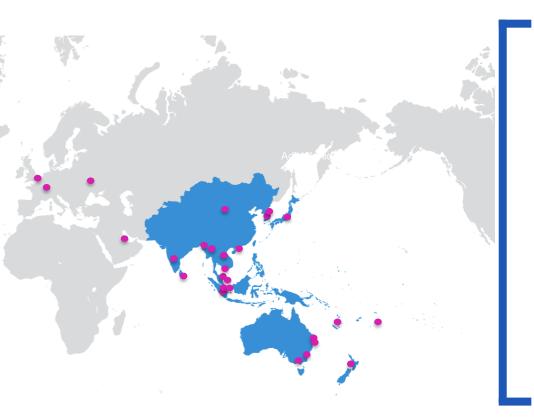
APNIC (C)

Internet Exchange Points



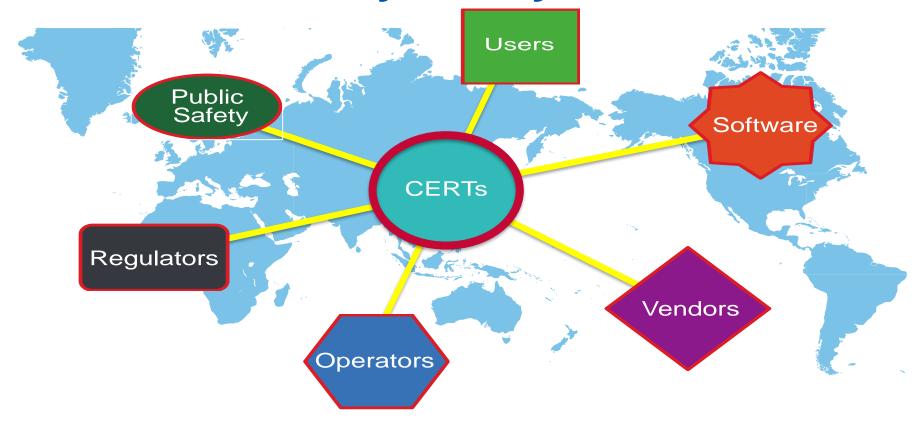
Security Outreach





- Security training and participation at 27 NOG and CERT events
- Training and support for creation of new Tonga CERT
- Exploring viability of CERT in Vanuatu
- FIRST Tech Colloquia with APRICOT 2016, SANOG 28, APNIC 42
- 62 security-tagged blog posts published

Internet Security Ecosystem



IPv6 Outreach





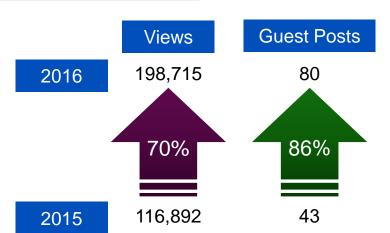
- 18 face-to-face training sessions, 501 trainees including IPv6 workshop with ITU in TH
- 36 elearning sessions reaching 245 trainees
- Promoting IPv6 with presentations at 23 regional events
- Input to policy makers to include IPv6 in UN ESCAP's AP-IS plan
- Assisted Singapore IDA's IPv6 survey and ASEAN workshop
- Supported IGF IPv6 Best Practices Forum

APNIC

blog.apnic.net







- Inclusive source of APNIC community news and views -352 posts including 80 guest posts in 2016
- Strong readership growth continues - monthly average unique views 16,560 in 2016 (9,741 in 2015)
- Community submissions welcome!

APNIC

APNIC Foundation





https://apnic.foundation

- Officially incorporated in Hong Kong in September 2016
- First year of operation to begin in 2017

Partner & Project	Amount
IDRC for Seed Alliance	500,000 CAD
JICA for APNIC Academy	20,000 USD
ITU for IPv6 Training	9,500 USD
ITU for IXP Training	4,300 USD

APNIC (C)



coordination

incident response

info sharing



Next Conference





Register now

https://conference.apnic.net/46/register/register























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APNIC

THANK YOU

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