**APNIC**

Apply online for your APNIC membership and Internet number resources.

**www.apnic.net/member**

If you would like to find out more information on APNIC membership, IP addresses or other APNIC services, please contact one of our friendly Member Services staff for assistance.

We offer support in eight languages including, Bahasa Indonesia, Filipino, Mandarin, and Thai.

We also operate a live chat service that is available from 09:00 to 21:00 (UTC+10), Monday to Friday.

**Email** helpdesk@apnic.net

**Chat** www.apnic.net/helpdesk

**Phone** +61 7 3858 3188

**VoIP** helpdesk@voip.apnic.net

**APNIC Member Services**
*We're here when you need us!*

*This document is printed on recycled paper*

**APNIC**

# **Join** the community

Becoming an Asia Pacific Network Information Centre (APNIC) Member enables you to get the Internet resources you need, quickly and easily. You can also access other services such as hands-on training, research and development material, and world-class conferences.

www.apnic.net

# **WHY** JOIN APNIC?

**Be in control** ● Get your own independent Internet number resources

**Have your say** ● Participate in regional policy discussions to manage Internet resources

**Share knowledge** ● Participate in global IP measurements and other research

## More benefits:

● Learn how to effectively manage your Internet resources and deploy key technologies, such as IPv6, with APNIC's hands-on infrastructure training

● Meet with your peers to discuss the latest Internet deployment practices and networking technology trends at APNIC Conferences

● Make informed network and resource consumption decisions with authoritative research data from APNIC Labs

● Guide APNIC's future direction through Member surveys and feedback sessions

**www.apnic.net/member**

Current and prospective Members can speak directly to APNIC Services staff or book a private consultation at APNIC Conferences and other events.

# WHAT IS APNIC?

**APNIC is the Asia Pacific Regional Internet Registry (RIR), responsible for distributing Internet Protocol (IP) addresses - IPv4 and IPv6 - and Autonomous System (AS) Numbers.**

**APNIC is one of five RIRs operating in the world today and was established in 1993. Over the last 20 years, it has grown into a predictable, stable, and mature organization, with more than 4,000 Members.**

**The APNIC community is open to anyone with an interest in Internet number resources, including ISPs, content providers, government agencies and regulators, and other commercial organizations. APNIC Members are from 56 economies in the region.**

**APNIC is a membership-based service organization, primarily responsible for the active management of Internet resources through a community driven policy development process.**

**What is an IP address?**
A globally unique identifying number that devices need to communicate over the Internet. There are two versions, IPv4, which is 32 bits long, and IPv6, which is 128 bits long.

**What is an AS Number?**
A globally unique number that identifies a particular Autonomous System (AS). An AS is a group of routing prefixes that maintains a unique routing policy, controlled by an Internet Service Provider (ISP).

# JOIN OUR COMMUNITY

**Become an APNIC Member today!**

Becoming an APNIC Member is a quick and easy way to apply for your first Internet number resource delegation. Simply visit the APNIC website to get started.

**www.apnic.net/member**

## Members receive these services:

**Reverse DNS delegation**, which maps IP addresses to domain names in the Domain Name System (DNS). The DNS is a hierarchical database that provides a distributed directory service mapping from names to values. The primary function of the DNS is to allow you to reach a website address by typing in a specific domain name, for example, www.google.com. The DNS translates this into an IP address so devices can read it. Reverse DNS does the opposite of this process, translating IP addresses into domain names. APNIC provides reverse DNS services to all Members by registering reverse delegations. This is particularly important for email services, to ensure that an IP address maps to the correct domain name.

**www.apnic.net/dns**

**The APNIC Whois Database**, the official record of organizations that hold Internet resources in the region. APNIC operates a cross-referenced whois database that can be queried directly to determine the ISP responsible for a particular resource. Having this information readily available is important for instances of troubleshooting or enforcement.

**www.apnic.net/usingwhois**

APNIC provides critical services to support the technical coordination of the Internet. This includes:
- Technical infrastructure training
- Conference events and discussion forums
- Research and statistical data (APNIC Labs)

**www.apnic.net/services**

## Membership fees

IP addresses and AS Numbers are shared, public resources. APNIC Members are given custodial rights over the blocks they are delegated. APNIC charges fees to cover the administration costs in managing these resources and providing other services.

## Initial fees

New Members pay AUD 2,425 when applying for resources for the first time. This consists of the "Associate Member Fee" of AUD 675 and the "IP Resource Application fee" of AUD 1,750.

## Annual fees

APNIC Membership is renewable each year. On the anniversary of opening your account, your annual fee is recalculated based on your total resource holdings. For more information, contact helpdesk@apnic.net.

**www.apnic.net/fees**

# TRAINING

Keeping up with current technologies and deployment strategies is challenging. APNIC offers several hands-on training courses to equip Members with the technical skills required to build and manage their networks. Training the region's operators on the fundamentals of Internet infrastructure is vital to the continuing health of the Internet.

Our training courses are offered in online, face-to-face, and customized formats and are constantly evolving to meet the changing needs of network operators.

## Courses offered

APNIC offers training courses on a variety of technical Internet topics. They are designed to expand capability, knowledge, and understanding of infrastructure technologies so participants can embrace industry current practices. We are focused heavily on delivering practical IPv6 deployment skills to the region's networking operators. A critical step in deploying IPv6 is to train staff on how to build a dual-stack or native IPv6 network.

## Training courses include:

- Routing
- DNS
- Internet Resource Management (IRM)
- Internet technologies
- IPv6
- Network Security

## Customized training

APNIC can provide customized training on a cost-recovery basis to suit the particular requirements of organizations. These can be tailored to fit with the knowledge level of the trainees and includes comprehensive hands-on sessions to equip your employees with the skills needed to be effective. The Engineering Assistance program offers follow-up support to all training participants.

## Sponsors

APNIC is proud to partner with regional organizations wishing to host or sponsor training events. APNIC provides training as a service to the community, however nominal fees are charged to cover travel and accommodation costs incurred. Fees are charged according to three categories: Category A for developed economies; Category B for developing economies; and Category C for least developed economies.

**training.apnic.net**

## Face-to-Face training

APNIC provides face-to-face training in tutorial or workshop formats. These are held in locations throughout the region, often in partnership with local organizations.

## Tutorials

Tutorials are composed of presentations and demonstrations and usually last from one to two days.

## Workshops

Workshops have additional presentations and demonstrations and usually last between two and five days, depending on the requirements of the group. They feature hands-on network building exercises in the APNIC virtual training lab. The lab simulates the topology of an ISP with multiple operating regions.

## eLearning

APNIC also offers web-based training free of charge as a cost-effective way to accommodate geographical distance and differing time zones. eLearning is a convenient choice for trainees, enabling them to participate when and where they want. To enhance the interactive experience, trainers connect with students via instant messenger chat and use features like virtual whiteboards and screen sharing.

Four one-hour courses are delivered to three time zones fortnightly, targeting the South Asia, Southeast Asia, and Pacific/Oceania subregions.







*"I must commend your concentration spans and how you continued to elaborate on each slide, point by point, accurately... What kept me tuned with the training was the fact that whether it is a complicated topic or fairly easier one, your persistence discussing the topic and elaborating and sharing examples would always broaden what I already know".*

**Seorn Thomas**
PBX Systems Engineer (Network Services)

# APNIC **EVENTS**

## APNIC Conferences

Meet with your Internet community peers at APNIC Conferences to discuss current networking and deployment issues. Engage with the world's leading Internet and ICT professionals in technical forums; discuss real-world IPv6 deployment efforts; and have your say in how Internet resources are managed at the Policy Special Interest Group (SIG).

APNIC Conferences are held twice each year in different locations around the region. They are an opportunity for network operators, government representatives, and industry leaders from around the world to discuss Internet operations.

If you can't attend in person you can still participate remotely, using our low- and high-bandwidth audio and video tools. APNIC provides remote access and transcription services to enable wide participation from communities across the Asia Pacific.

### Program

The program includes a full week of training sessions with APNIC Trainers and featured guests, plenary and panel sessions, and social networking events.

### Workshop week

APNIC Conferences include a Workshop week, to provide more hands-on training for participants. Sessions typically include Network Management, Network Security, and IPv4/IPv6 BGP Routing. These have proved very popular and will remain an ongoing feature of APNIC Conferences.

### APNIC Regional Meetings

In addition to the APNIC Conference, APNIC provides Regional Meetings as an additional forum to reach out to more of our Members and stakeholders to enable wider participation and awareness of APNIC's activities.

### What to expect?

APNIC Regional Meetings are one-day events where APNIC Policy and relevant technical discussions are held, and other reports on topics such as Internet governance are presented. Training is also provided to equip the region's operators with the skills they need to build and manage their networks.

At the end of the session, attendees can participate in an open mic and feedback session, to raise any issues or challenges they face or suggestions for APNIC.
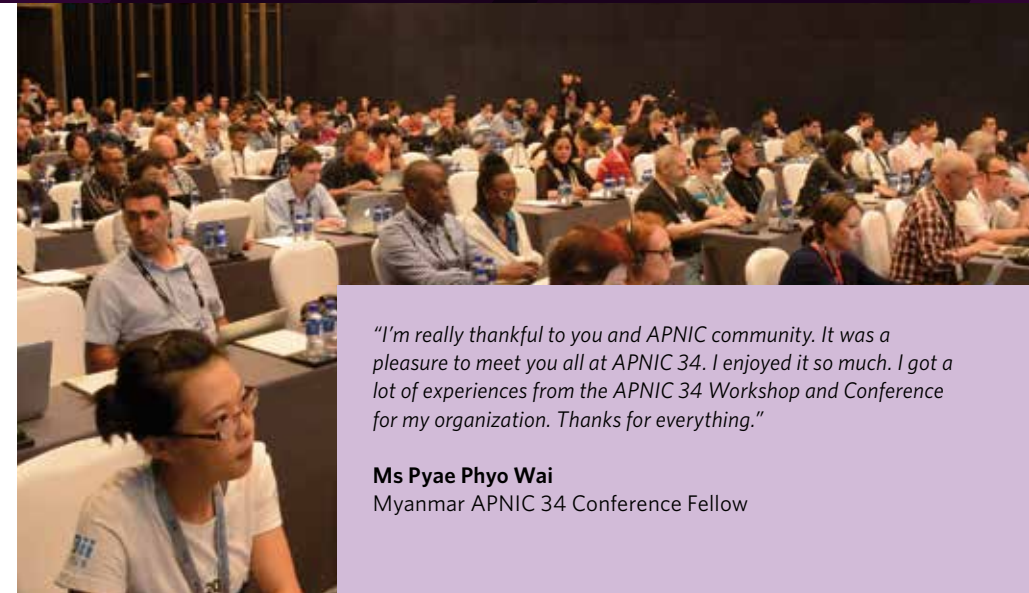
### Fellowships

To support regional Internet growth in developing economies, APNIC offers Conference Fellowships. If you are from a developing economy and have not attended an APNIC Conference, we encourage you to apply for a Fellowship package, which includes:

● Free registration for the APNIC Conference and/or Workshops
● Free attendance to all networking events
● Shared hotel accommodation

### Sponsors

Sponsoring an APNIC Conference reduces participation costs, especially for those from developing economies. It offers potential sponsors a valuable opportunity to expose their organizations, products, and services to an international audience of Internet leaders. APNIC offers a variety of sponsorship opportunities and can tailor a package to suit your marketing and sales objectives.

**conference.apnic.net**

*"I'm really thankful to you and APNIC community. It was a pleasure to meet you all at APNIC 34. I enjoyed it so much. I got a lot of experiences from the APNIC 34 Workshop and Conference for my organization. Thanks for everything."*
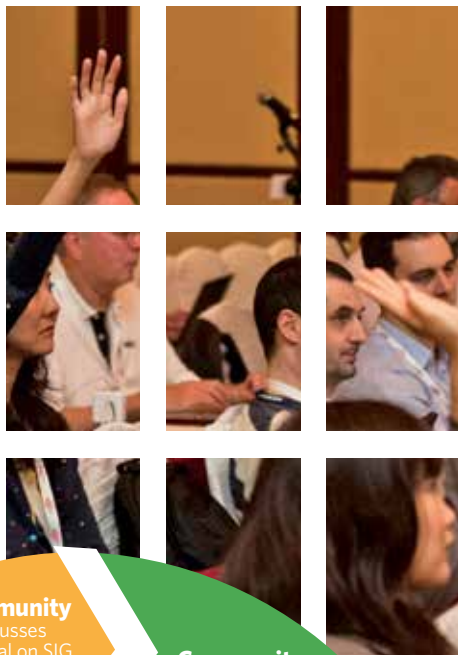
**Ms Pyae Phyo Wai**
Myanmar APNIC 34 Conference Fellow

# HAVE **YOUR** SAY!

## Policy development

As a part of the APNIC community, you can directly contribute to discussions on Internet resource distribution and management policies. These discussions are held over a mailing list and at two policy development forums each year during APNIC Conferences, where you can propose and discuss regional policies. These forums are open to all and follow an established, bottom-up process of collaboration. All policy changes are agreed to by community consensus.

**www.apnic.net/policy**

**Before meeting**

**Author**
proposes policy or amendment

**Community**
discusses proposal on SIG mailing list

*Can policy be improved?*

**During meeting**

**Community**
discusses proposal face to face in SIG

**SIG Chair**
gauges consensus

**After meeting**

**Community**
has chance to raise any final objections during final call

**SIG Chair**
confirms consensus

**Executive Council**
(EC) endorses policy

**Secretariat**
implements policy

# APNIC **LABS**

Access to cutting-edge research and reliable data is vital for making informed network and resource deployment decisions.

APNIC Labs publishes comprehensive reports on IPv6 update measurements. These reports contain aggregate information in a global scale, by economy, and by individual network. In particular, the Asia Pacific measurements are considered authoritative.

APNIC Labs provides a free measurement tool that allows you to monitor visitor traffic to assess the effect IPv6 deployment would have on your website. It is a simple script that utilizes Google Analytics to test your clients' IPv6 capabilities.

Labs' end-user measurement system is also used to examine DNSSEC behaviours, and this data helps to inform the community with insights into security and integrity as it relates to the DNS system as a whole. In 2013, Labs conducted a large-scale assessment of DNSSEC capability worldwide, and concluded that significant risks remain in the DNS. DNSSEC is an important worldwide deployment that Labs will continue to explore.

The latest APNIC Labs statistics and analyses are presented regularly to international forums such as the OECD, APEC TEL, and national and regional IPv6 summits.

See how APNIC Labs measures the Internet in your economy:

**labs.apnic.net**

## Blabs on APNIC Labs

To find out more about what's new at Labs or what the team finds interesting currently, you can follow APNIC Chief Scientist Geoff Huston's blog, Blabs.

**blabs.apnic.net**
**labs.apnic.net**