

Asia Pacific Network Information Centre (APNIC)

A global, open, stable, and secure Internet.

OVERVIEW OF APNIC AND ITS GOVERNANCE MODEL

- **Role as Regional Internet Registry**
 - APNIC manages critical Internet Number Resources like IPv4, IPv6 addresses, and ASNs for the Asia Pacific region.
- **Multistakeholder Governance Model**
 - APNIC includes network operators, industry, governments, and civil society in policy-making, promoting inclusive governance.
- **Regional Impact and Collaboration**
 - Serving 56 economies, APNIC fosters collaboration to maintain a stable, secure, and open Internet infrastructure.
- **Contribution to Internet Policy**
 - Beyond technical management, APNIC actively shapes Internet policy and development dialogue in the region.

Regional Internet Registries



ARIN

 **APNIC**

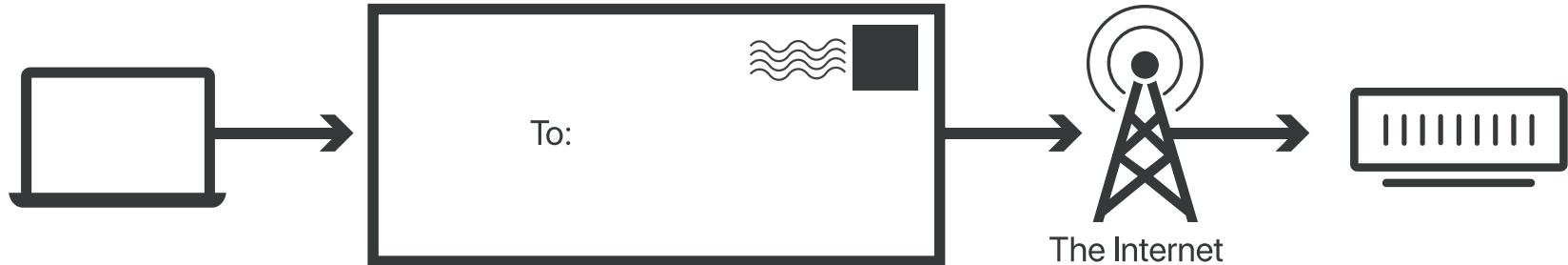
AFRINIC
The Internet Numbers Registry for Africa

lacnic 

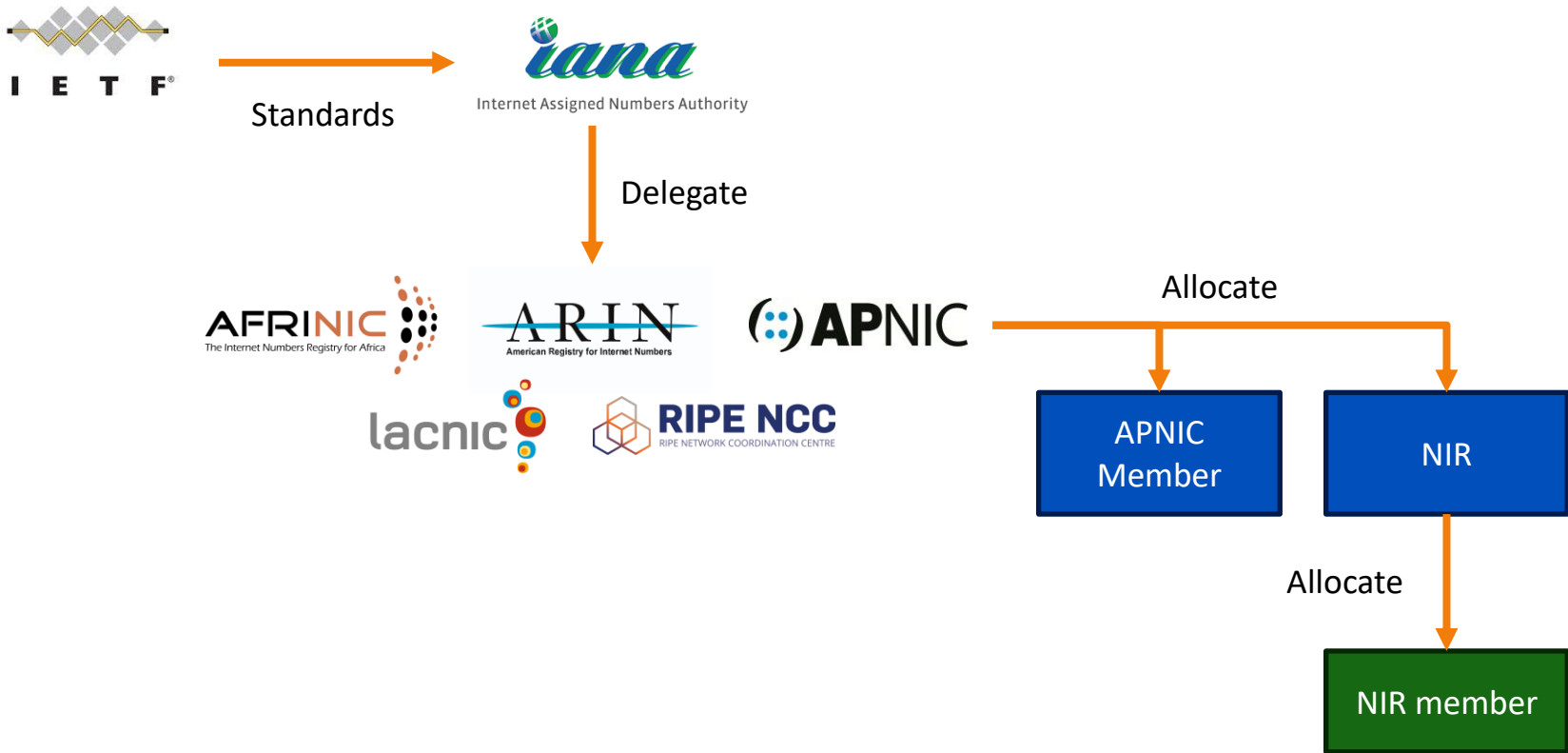
What is the Internet Protocol (IP)?

- Set of rules, for routing and addressing packets of data so that they can travel across networks and arrive at the correct destination.

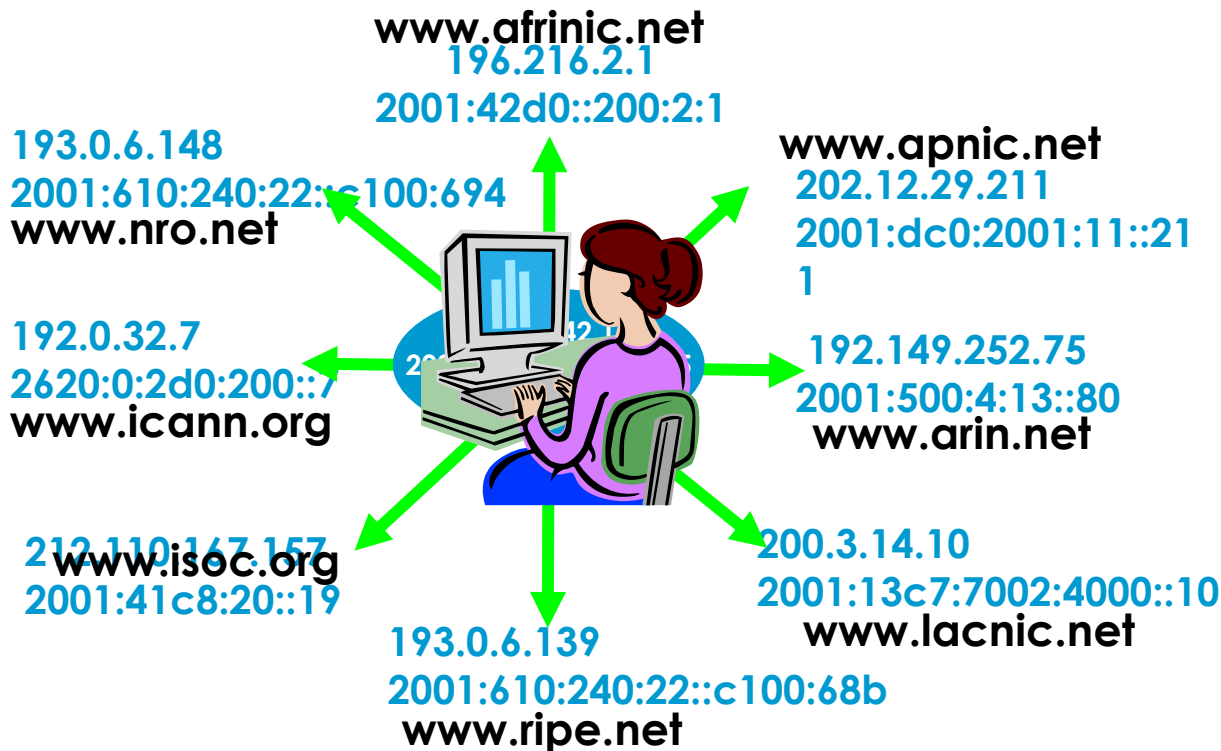
Sender of packet



Global IP Addresses Flow

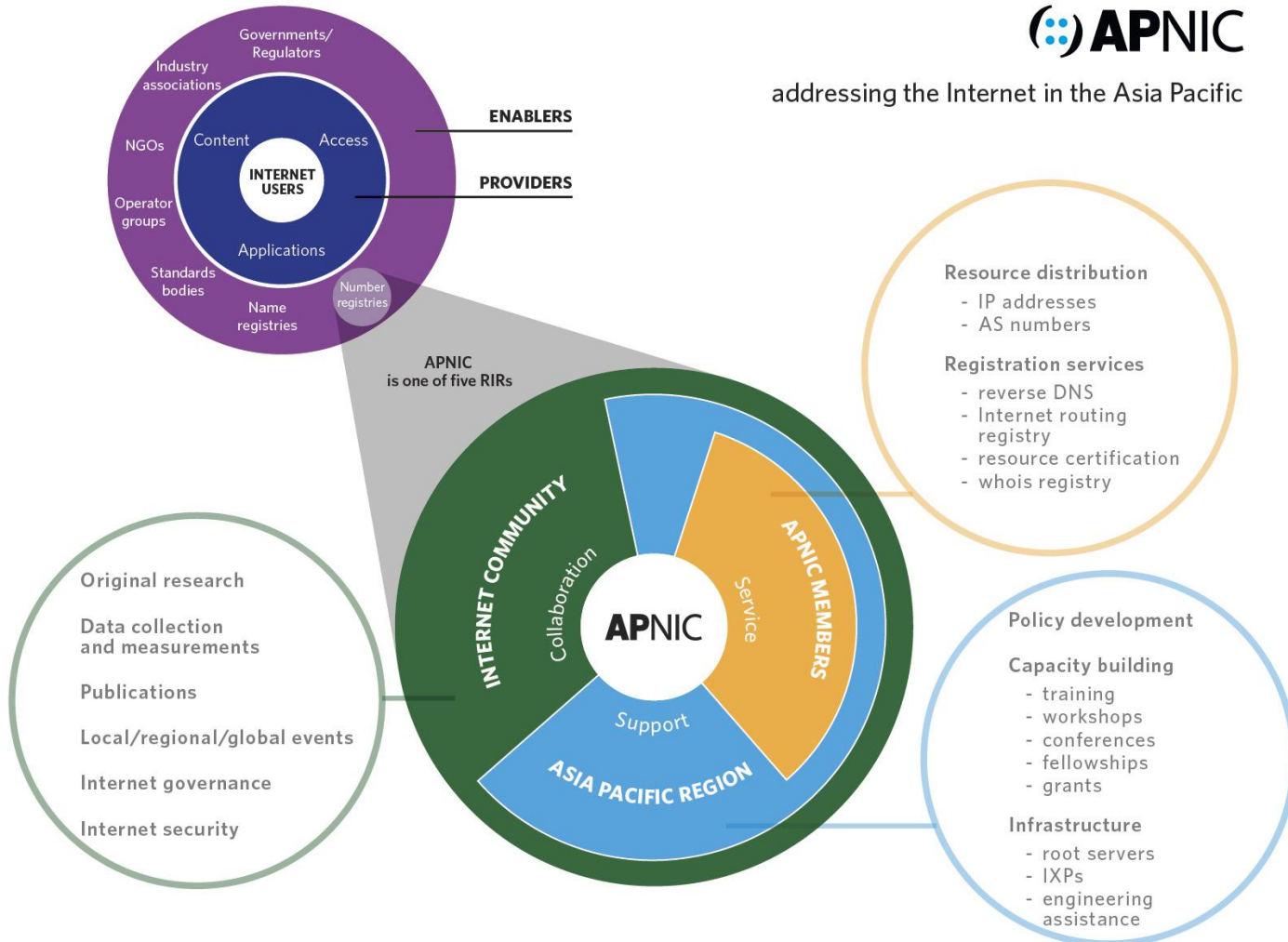


On the Internet, we are nothing but an IP address!



APNIC Multi-stakeholder Community

- As an open, membership-based, non-profit organization, APNIC serves Members and other stakeholders throughout the Asia Pacific region
- Our Members, who fund and support the activities of APNIC, include network operators, service providers, public departments and enterprises that rely on Internet number resources and other services of APNIC in their activities
- Our broader community includes all Internet stakeholders, including individuals, governments, institutions and organizations with an interest in the Internet



INTERNET RESOURCE MANAGEMENT AND POLICY DEVELOPMENT

- **Internet Number Resource Allocation**
 - APNIC allocates IP addresses and ASNs to diverse members ensuring Internet scalability and integrity.
- **Community-Driven Policy Development**
 - APNIC's open, consensus-based process allows stakeholders to collaboratively develop Internet resource policies.
- **Transparency and Inclusivity**
 - The Policy Development Process ensures transparency and inclusivity, fostering trust and cooperation among members.
- **Stable Internet Infrastructure**
 - Effective INR management and policies support a stable, efficient Internet infrastructure in the Asia Pacific.

Key Characteristics of Policy Process

Open

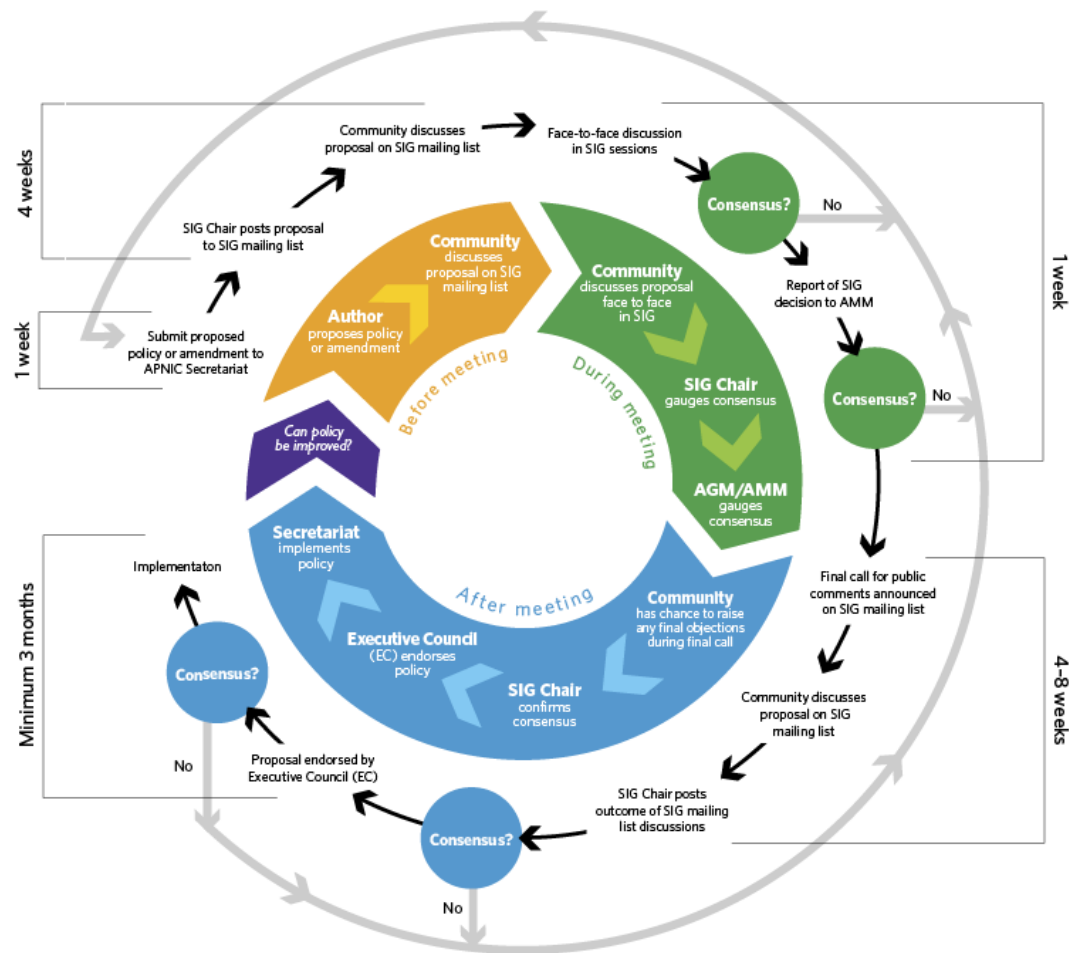
- Anyone in the community can propose a policy.
- Proposed change to an existing policy or a new one.
- Anyone can participate from the beginning, during the discussion as well as in the decision-making process.

Transparent

- APNIC publicly documents all policy discussions and decisions.
- Freely available on the APNIC website.

Bottom-up

- PDP is driven by the Internet community who need and use these resources.
- Catered for Asia Pacific Internet community.
- APNIC remains neutral in the process.



STABILITY, SECURITY, AND TECHNICAL SERVICES

- **Authoritative Whois Database**
 - APNIC manages the authoritative Whois Database providing vital IP and ASN allocation data for network management and abuse prevention.
- **Resource Public Key Infrastructure**
 - RPKI enhances Internet routing security by preventing unauthorized IP address use and hijacking, ensuring global routing trust.
- **Reverse DNS Management**
 - Reverse DNS services enable IP addresses to be resolved back to domain names, supporting Internet functionality and reliability.

TRAINING, INFRASTRUCTURE SUPPORT, AND COMMUNITY DEVELOPMENT

- **Capacity Building Programs**

- APNIC Academy provides training and workshops to enhance skills of network operators and stakeholders.

- **Infrastructure Support**

- Support for deploying anycast root DNS servers, CERTs and IXPs improves Internet performance and network resilience.

- **Community Empowerment**

- Investing in human capital promotes digital inclusion and sustainable Internet growth in Asia Pacific communities.

GLOBAL & REGIONAL ADVOCACY AND REPRESENTATION

- **International Forum Participation**
 - APNIC actively engages in global forums like IETF, IGF and ICANN to represent Asia Pacific internet community interests.
- **Advocacy for Regional Stakeholders**
 - APNIC ensures regional voices are heard in global policy discussions by advocating technical needs and best practices.
- **Promotion of Emerging Technologies**
 - APNIC supports IPv6 adoption to ensure future scalability and sustainability of the internet.
- **International Collaboration**
 - Fostering global collaboration aligns Asia Pacific initiatives with worldwide internet governance trends.

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THANK YOU