



Review

"The Internet is a loosely-organized international collaboration of autonomous, interconnected networks; it supports host-to-host communication through voluntary adherence to open protocols and procedures defined by Internet Standards, a collection of which are commonly known as "the TCP/IP protocol suite".

RFC 1603

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In simple terms: A network of networks, enabling communication between connected computers, where-ever they may be, and making possible such services as email, web applications, peer connectivity and others not yet discovered even!!!

Internetworking Concepts

- The concept of an internet defines the following objectives:
 - Universal interconnection

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- Network technology independent
- modifiable (no need to configure a central switch when adding or removing networks)
- hide underlying technology
- use of intermediate networks not related to source or destination nodes

How does this happen?

- · What makes the Internet work?
 - Physical network connectivity to make communication possible - providers
 - Common "language" to make communication meaningful – protocols
 - Common addressing mechanism to make communication universal – addressing
 - Applications to make the Internet useful



Who manages the Internet ?

- Based on cooperation, consensus and collaboration
- Numerous groupings of experts working together in a largely volunteer capacity.
- E-mail collaboration, meetings, working groups
- Member based organisations of Internet users and service providers – RIRs, NOGs (implement standards and policies)
- Combined effort to develop technologies, standards and policies

Major Internet Components

- Technical development and standards
 Bodies
- Management and policy bodies
- Infrastructure

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· Services and Content Providers































What are RIRs?

- Industry self-regulatory structures
 - Open membership-based bodies
 - Representative of ISPs globally
 - Service organisations

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- Non-profit, neutral and independent
- 100% self-funded by membership
- First established in early 1990s
 - Voluntarily by consensus of community
 - To satisfy emerging technical/admin needs
- In the "Internet Tradition"
 - Consensus-based, open and transparent



























- making and policy development
 Meetings and mailing lists
- Open to anyone

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- http://www.apnic.net/meetings/23/index.html
- http://www.apnic.net/community/lists/index.html

History of APNIC

 APNIC was established in 1992 by the Asia Pacific Co-ordinating Committee for Intercontinental Research Networks (APCCIRN) and the Asia Pacific Engineering and Planning Group (APEPG): "To facilitate communication, business, and culture using Internet technologies".
In 1993 APNIC was established as an independent body.
In 1995, the inaugural APNIC meeting was held in Bangkok.
 1996 saw a proper fee structure introduced, the establishment of a membership, and the holding of the first APRICOT meeting.
 In 1998, after an extensive consultative process, it was decided to move the APNIC secretariat in Brisbane









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How does APNIC fit into the Internet Structure? What is APNIC? What does APNIC do?

Summary

Internet Hierarchy

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- APNIC involvement
- Interaction between organisations in the Asia-Pacific region

Questions ?

Thank you and enjoy the meeting!

Social Event in Leyte Monday 5.30pm

Mentoring group updates Tues, Wed and Thur at 5.30pm in Davao