

ASNs in Asia Pacific Region

Building a stable, robust and secure communication
infrastructure for the next decade

Sanjaya
Deputy Director General

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Overview

- Anatomy of the Internet
 - What does it look like?
- Network growth in the Asia Pacific
 - Comparisons with the other regions
 - Growth potential
- ASN ranking in the Asia Pacific
- Discussion

Anatomy of the Internet

3d visualization of all the networks worldwide that are interconnected to form the Internet, including ISPs, Internet Exchange Points, Universities and Organization networks



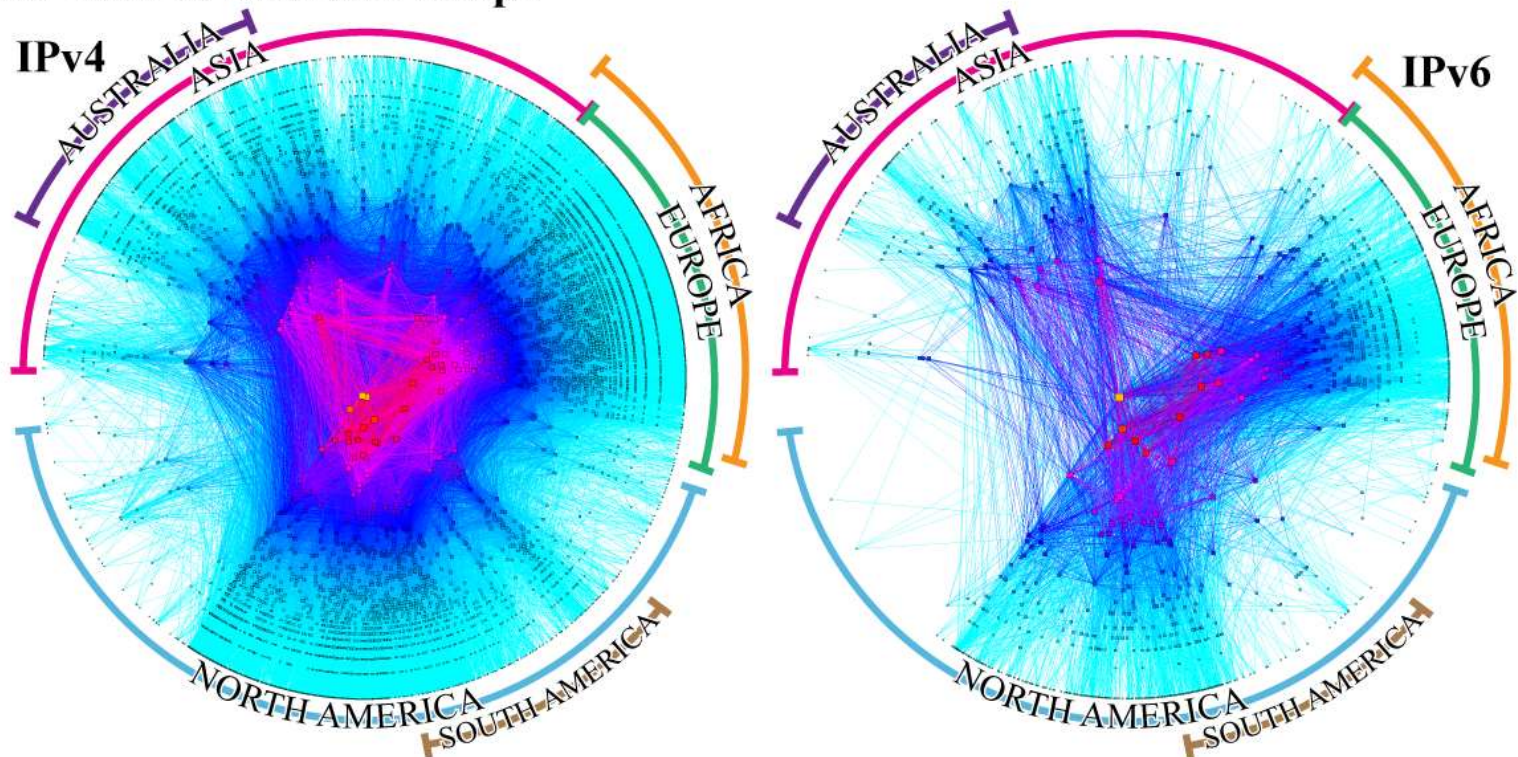
Each dot represents an ASN (autonomous system number)

Source: peer1.com

Anatomy of the Internet

CAIDA's IPv4 & IPv6 AS Core
AS-level INTERNET Graph

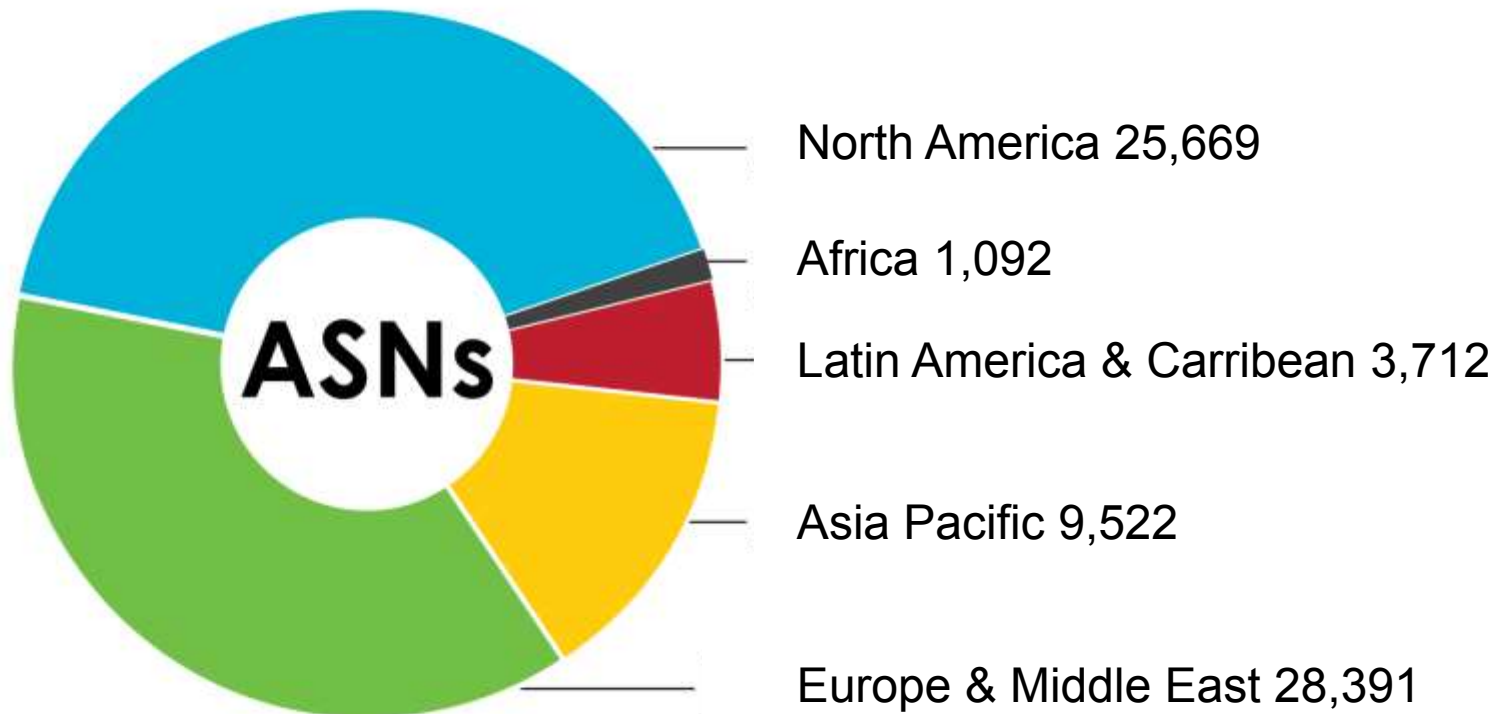
Archipelago
Jan 2013



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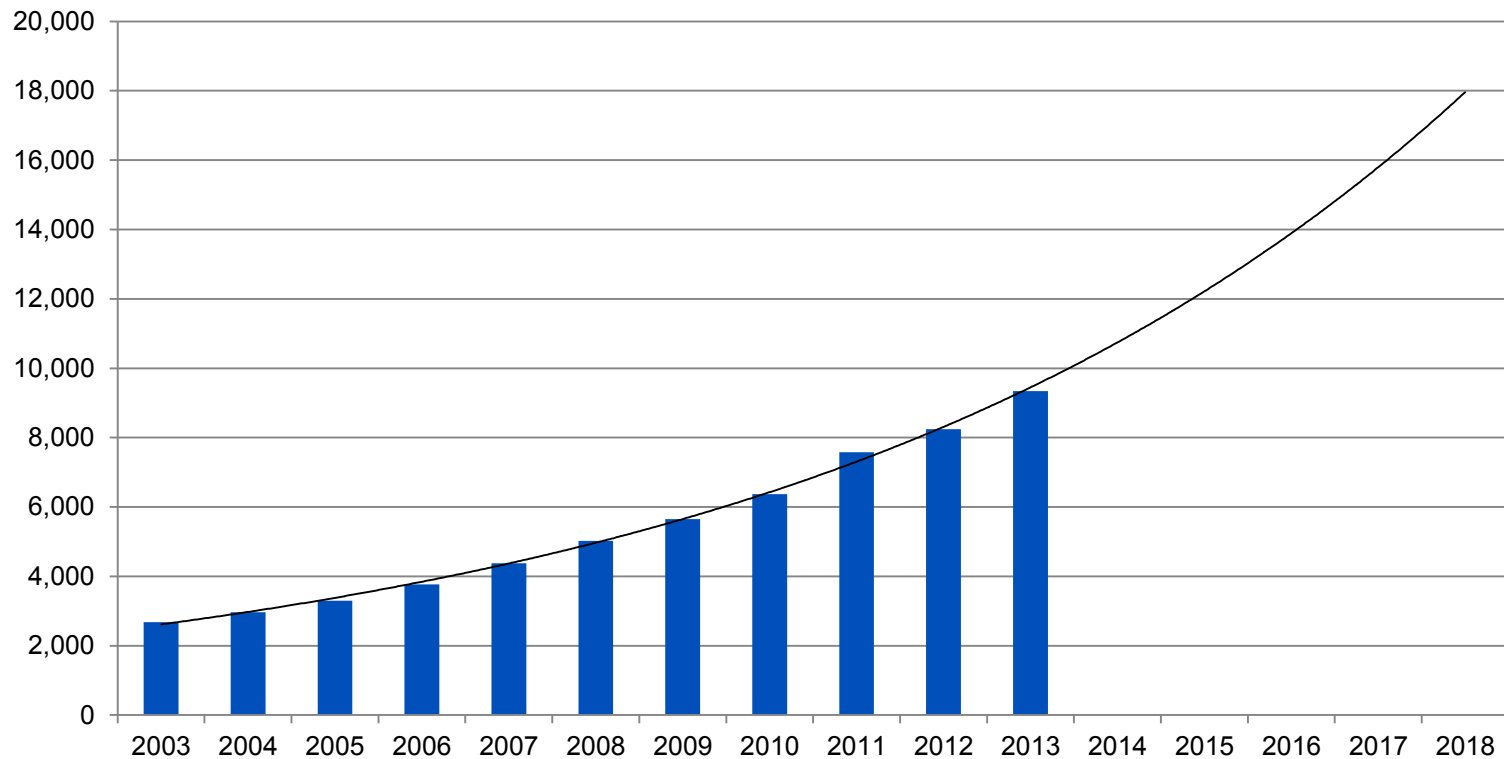
Source: caida.org

Global ASN distribution



Source: nro.net as of December 2013

Asia Pacific ASN growth



ASN rank in AP region

Code	Economy	Advertised ASNs	Population per Adv ASN
AU	Australia	887	25250
KR	Republic of Korea	691	71025
JP	Japan	548	229450
ID	Indonesia	488	517062
IN	India	446	2757379
HK	Hong Kong	270	26699
CN	China	257	5264444
NZ	New Zealand	231	18988
TH	Thailand	221	306786
SG	Singapore	181	26754

as of 31 Mar 2014

Discussion

- Why the low ASNs?
- Who might need ASNs?