



MINISTRY OF INFORMATION AND COMMUNICATIONS
VIETNAM INTERNET NETWORK INFORMATION CENTER

VNNIC UPDATE

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VNNIC's New Vision

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VNNIC's new vision

20 years of VNNIC



Vietnam Internet Network Information Center (VNNIC)

- Ministry of Information and Communications -

20 April 2000 - present

- ❖ .VN domain name (ccTLD)
- ❖ IP address and ASN
- ❖ National Critical Information Infrastructures



Report on Viet Nam Internet Resources 2019

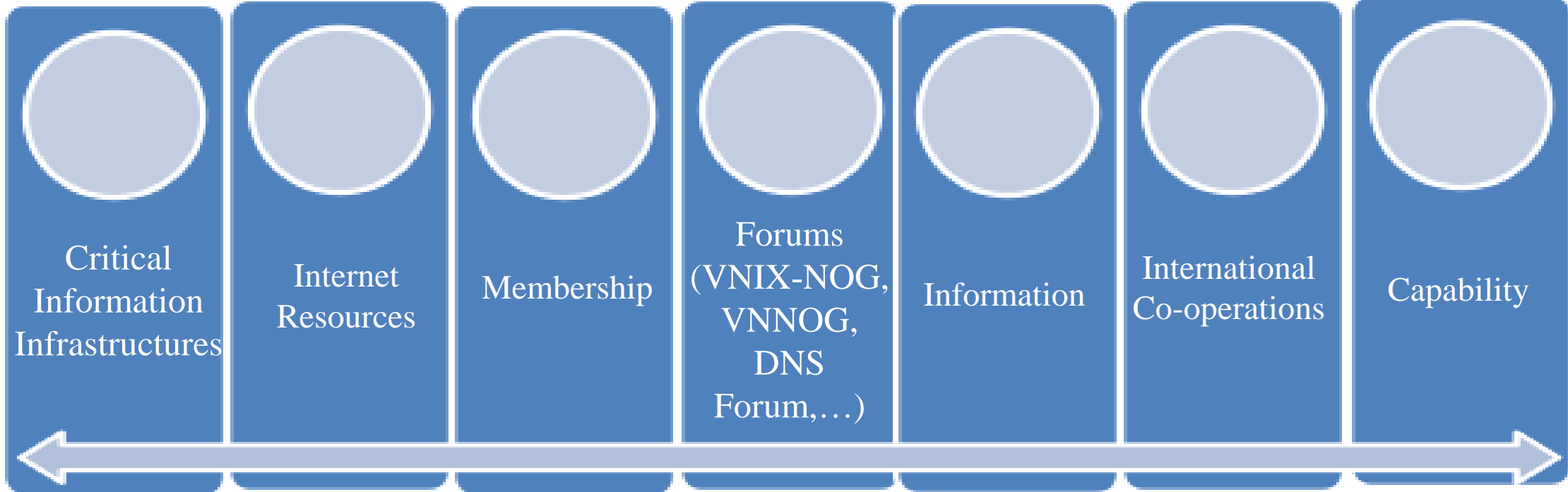
<https://vnnic.vn/en/report-on-vietnam-internet-resources?lang=en>



VNNIC's new Visions

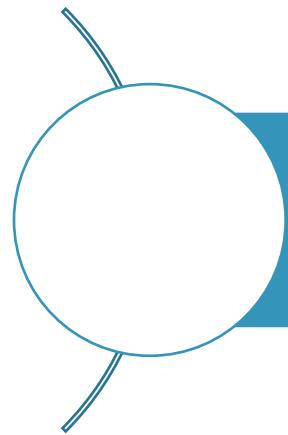
VNNIC's new Vision

VNNIC's Mission



VNNIC Position





Activities and Statistics

APNIC – VNNIC Engagement Meetings



- APNIC helped us to setup the engagement meetings
- Preparation: 1-2 months
- Meetings: 4 days with 8 sessions in **04 weeks** on July 2020.
- Main Contents:
 - Internet Resource Management/ Policy (Hostmaster sessions).
 - Whois, RDAP, RPKI, IRR, rDNS (technical sessions).
 - APNIC Foundation.

July 2020

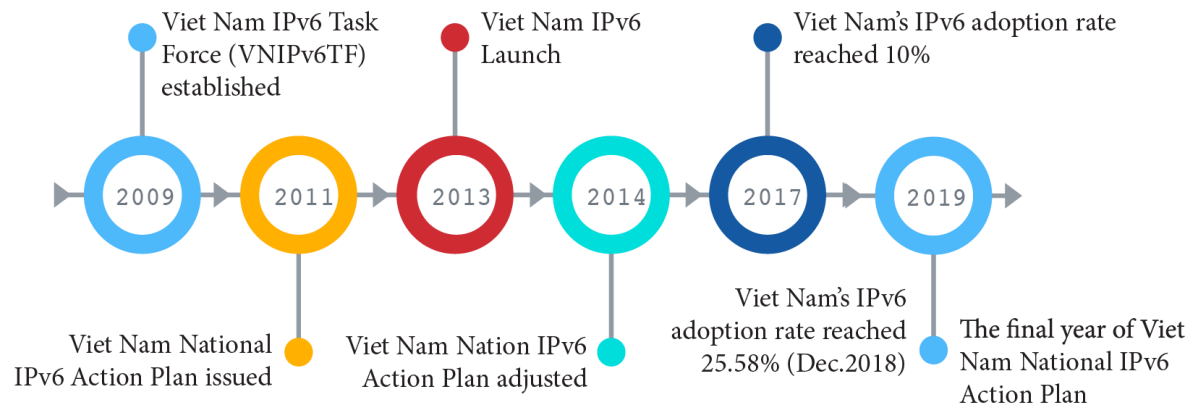
	Mon	Tue	Wed	Thu	Fri
27	29	30	1 Jul	2	3
28	6	7	8	9	10
29	13	14	15	16	17
30	20	21	22	23	24
31	27	28	29	30	31

Meeting sessions are indicated by red circles on the calendar grid, occurring on the following dates and times:

- July 1st (Wed): 13:00 – 15:00
- July 8th (Wed): 16:00 – 17:30
- July 22nd (Wed): 13:00 – 15:00
- July 29th (Wed): 16:00 – 17:30



IPv6 Deployment in Viet Nam

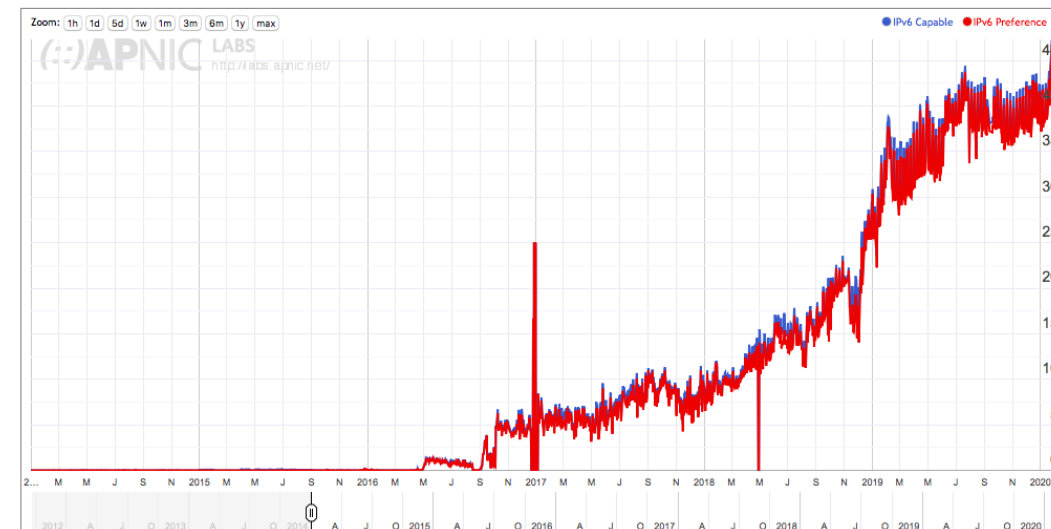


VNNIC: The Standing Committee of VNIPV6TF

Accomplished Vietnam National IPv6 Action Plan (2011-2019) => What's next?

Use of IPv6 for Vietnam (VN)

Source: APNIC



The use of IPv6: 43%, 2nd ASEAN, 11th on the world.

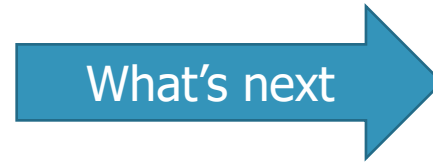
Web: 10.650 enabled IPv6 Websites.

FTTH: 11 millions IPv6 subscribers

3G/4G: 24 millions IPv6 subscribers



What's next



National IPv6 Action Plan (2011-2019)

- The use of IPv6: 43%
- IPv6 FTTH subscribers: 11 millions
- IPv6 Mobile subscribers: 24 millions.

IPv6 For Gov Program (2020-2025)

- Supporting Government agencies to deploy IPv6 and build their own networks.

IPv6 For Gov Program (2020-2025)

Support and promote Government agencies registering IP/ASN and planning IP addresses



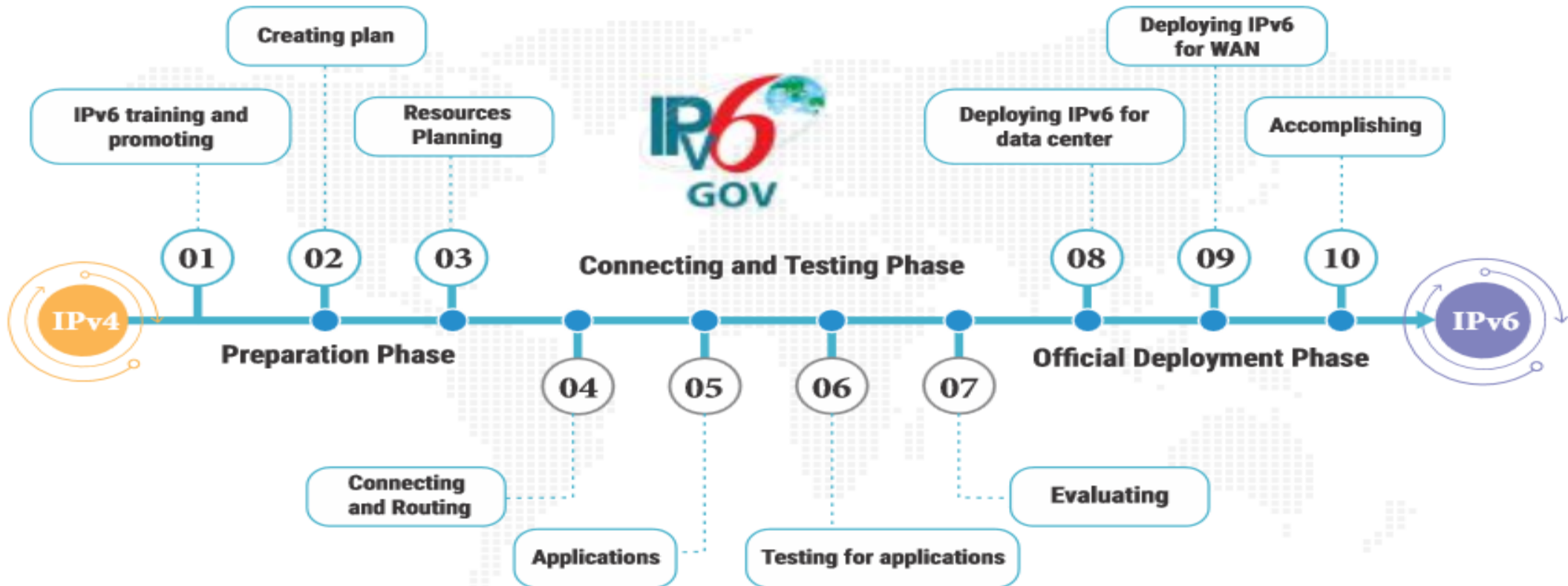
Training:

1. Online: daotaoipv6.vnnic.vn/ VNNIC academy
2. Offline: 500 attendees will be trained IPv6 technology.

Support Government Agencies during IPv6 transition progress

The format IPv6 deployment Plan for a Government Agency

10 steps for IPv6 deployment in government agencies



Source: VNNIC

VNNIC joins an ASEAN Project

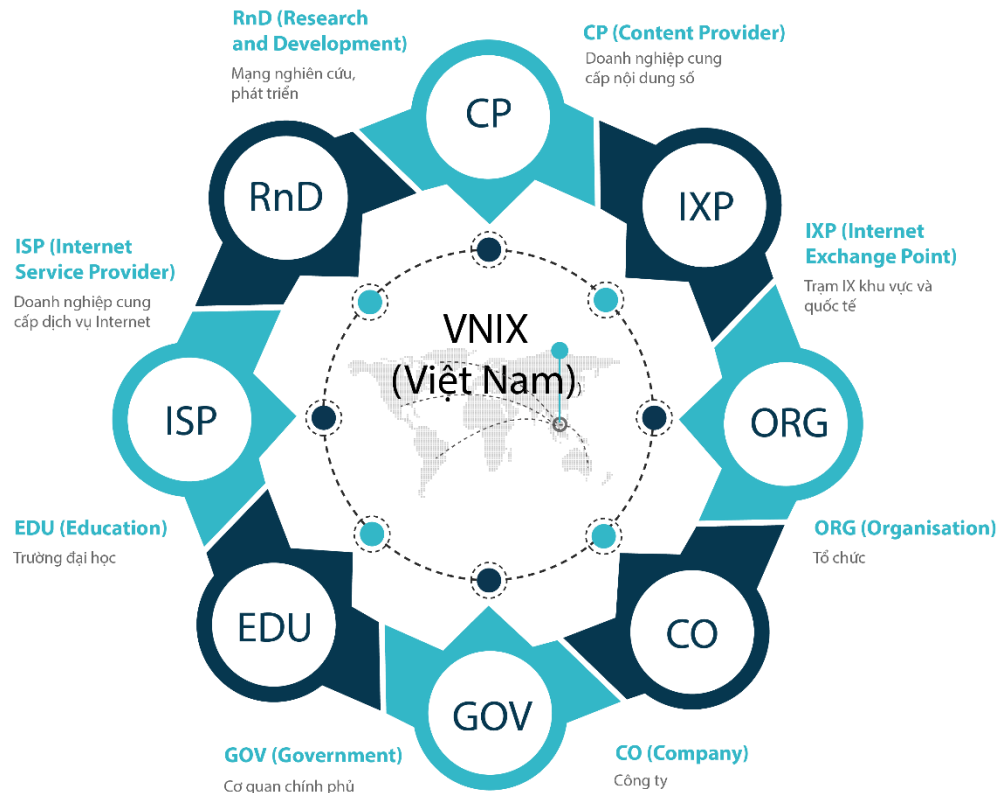
Overview

- **Project:** Architecture for the ASEAN Smart Cities platforms with due consideration on the use of ICT in Disaster Risk Reduction Management (DRRM) System and the availability of a secure, scalable and connectable Transmission Control Protocol/Internet Protocol (TCP/IP) address identifiers
- **03 parts of the project:**
 - IPv6 – Vietnam (VNNIC)
 - Architecture of Smart City Platform – Brunei (The consultants from Vietnam)
 - DRRM – Philippines



VNNIC hosted the 1st workshop: IPv6 and Smart city

Vietnam Internet eXchange (VNIX)



New Services

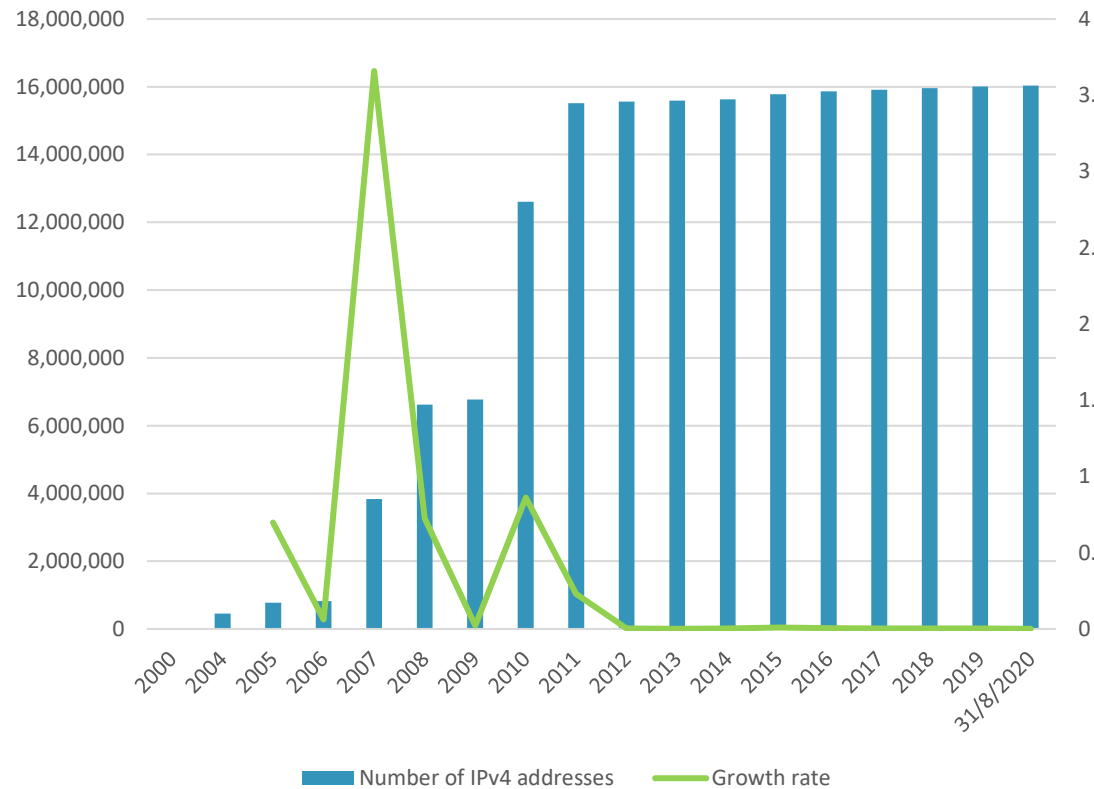
- NTP
- DNS Root
- Internet Speedtest by VNNIC

- **VNIX Members: 23 members.**
- **The target of 2020: 50 members**

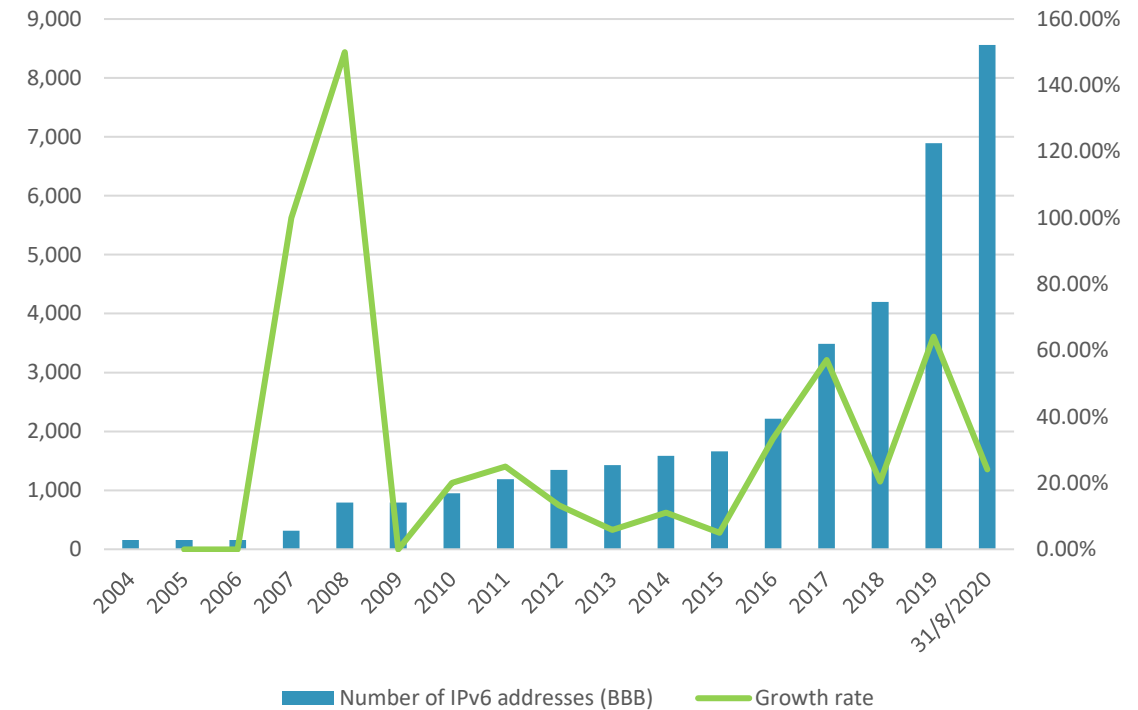
Website: <http://vnix.vn> or <https://vnnic.vn/vnix>

Statistics – IPv4/ IPv6 delegation

Number of IPv4 Addresses in Vietnam



Number of IPv6 Addresses in Vietnam

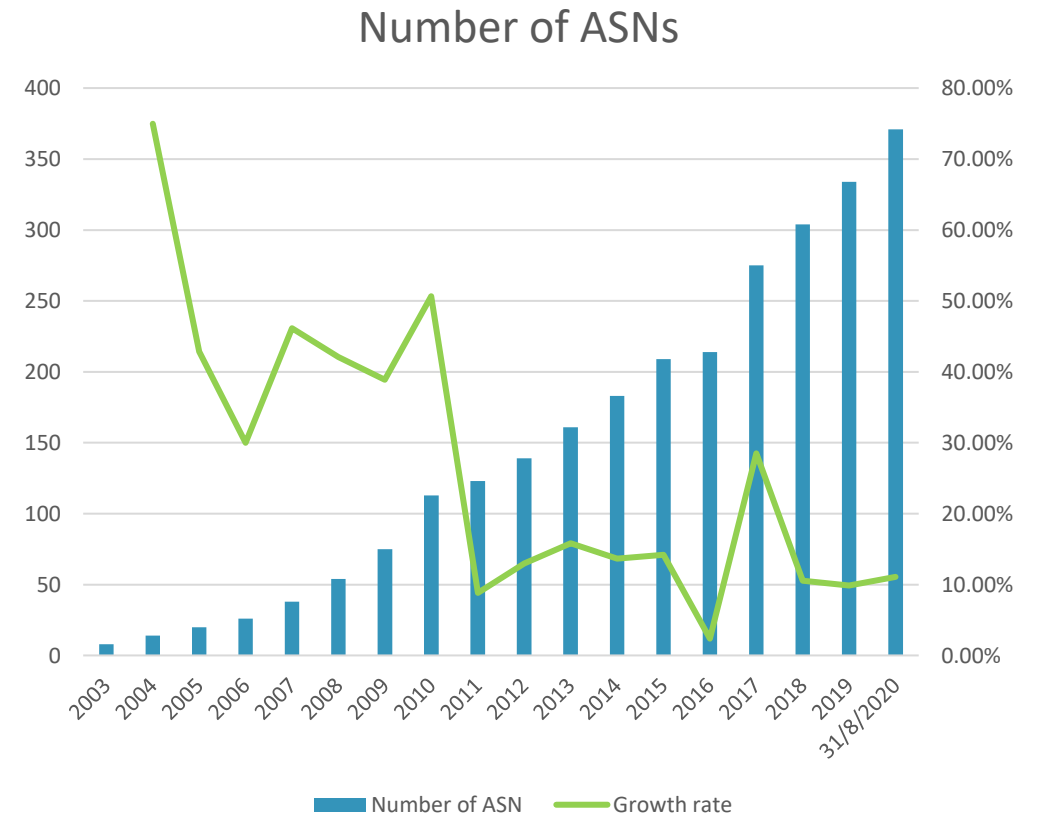
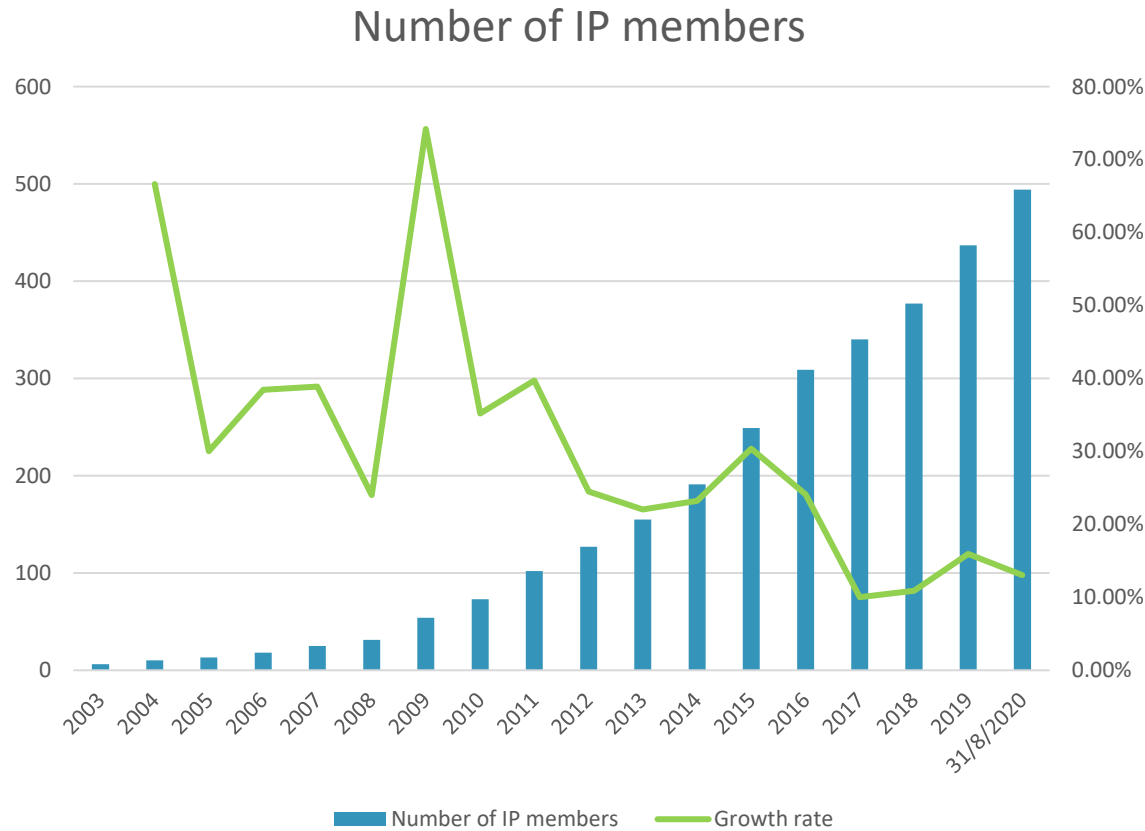


IPv4 addresses: > 16 millions IP addresses (new 59 blocks /23 in 2020)

IPv6 addresses: 108 blocks /32 and 135 blocks /48 (new 21 blocks /32 and 15 blocks /48 in 2020)



Statistics – ASN delegation and IP members



IP members: 494 members (57 new members in 2020).
 ASN Delegation: 371 ASNs (2-byte, 4-byte).





Upcoming Plans/Activities

Upcoming Plans/Events

1. Keeping the engagement between APNIC and VNNIC
2. Launching VNNIC Academy (Sep 2020)
3. VNIX-NOG (Sep 2020) (online)
4. VNNIC Internet Atlas (Oct 2020)
5. Having IPv6, DNS online training course with LANIC (Oct 2020)
6. Completing the ASEAN Project for IPv6 Part (Oct 2020).
7. Having bilateral meetings (online) between KISA and VNNIC (Nov or Dec 2020)
8. The activities of IPv6 For Gov Program



Thank You

