VNNIC Update

APNIC 52| NIR SIG

Contents

1 — VNNIC NIR 2.0

2 — New systems/ services/ products launched

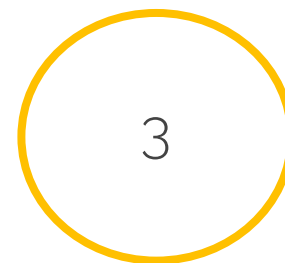**3** — Activities

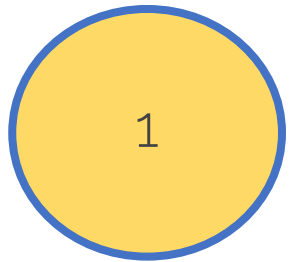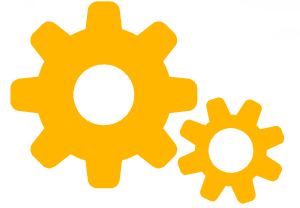**4** — Statistics

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1 VNNIC NIR 2.0

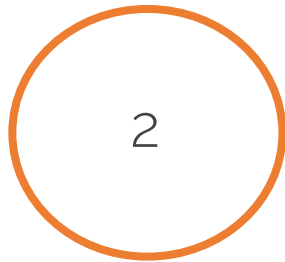2 New systems/ services/ products launched

3 Activities

4 Statistics

Next Generation of VNNIC

VISION

MISSION

1	2	3	4	5	6	7
INFRASTRUCTURE	INTERNET REGISTRY	MEMBERSHIP	COMMUNITY	INFORMATION AND DEVELOPMENT	INTERNATIONAL MEMBERS	CAPACITY
DNS VNIX	IPv4 IPv6 ASN .VN		VNIX-NOG/ VN-NOG; DNS FORUM/ DNS ALLIANCE	INTERNET ALTAS, ACADEMY		

CHARACTERS AND VALUES

VNNIC 2.0: Internet For All

NIC of Viet Nam

Leading, supporting the information towards development

Connecting members/community to develop Viet Nam Internet

New Concept – VNNIC NIR 2.0

NIR 1.0

Delegation: Allocated/assigned procedures

Membership: Focusing on IP members; delegating IP, AS by applications.

Community: IP members

Policies: Focusing on around delegation IP, AS

Activities: OPM/ Training

NIR 2.0

Delegation: Allocated/assigned procedures and the use of IP, AS on the Internet (Routing, Atlas, Security, ...)

Membership: IP members and others (Gov, Edu, Fintech,...); be active to promote each members hold three of Number Resources (IPv4, IPv6 and ASN).

Community: Viet Nam Internet users

Policies: Delegation/Routing/ Use.

Activities: OPM version 2/ Training and Academy/ Consultant meetings/ Official recommendations/ community projects ....

New systems/ services/ products

New Portal

Internet Academy

i-speed.vn

New Website

Labs/ Dashboard

IPv6 For Gov/ IPv6 Forum

Whois-NG

Atlas

Community projects

The targets in next 5 years

VN NIC
Internet for all

https://vnnic.vn

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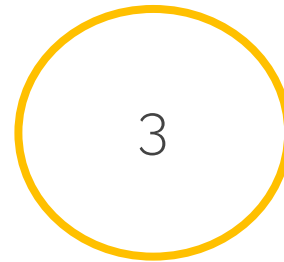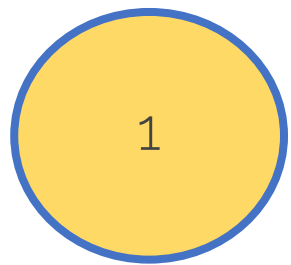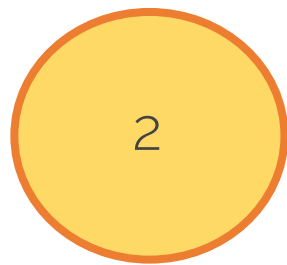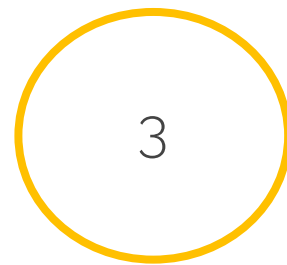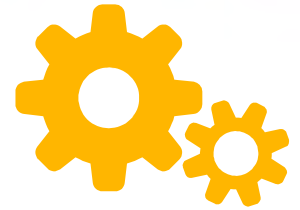
3   Activities

4   Statistics

New systems/ services/ products launched

https://vnnic.vn/IPv6ForGov

- The services for government organizations.
- Training/ Consulting/ supporting for Government organizations from national to local.

https://i-speed.vn / https://speedtest.vn

- Viet Nam Internet Speed application launched by the Ministry and Information and Communications.
- Application for Government, ISP, members and Viet Nam community.

https://academy.vnnic.vn

- Internet Academy for Viet Nam community
- Internet Information/ Knowledge for all.
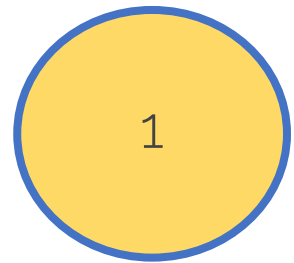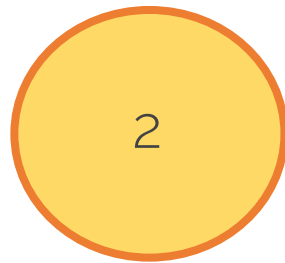
https://vnnic.vn

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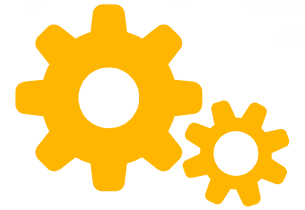1 — 2 — 3 — 4

1 VNNIC NIR 2.0

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Viet Nam IPv6 Deployment

The Decision No. 749/QD-TTg of The Prime Minister of Government dated June 3rd, 2020 on introducing Program for National Digital Transformation by 2025

Internet Address

"The entire of Viet Nam Internet transited to IPv6 by 2025"

IPv6 For Gov Program

IPv6 For Gov Program Launch

- The Decision **No. 38/QD-BTTTT** dated 14th January 2021 of Ministry of Information and Communications

- 02 stages with main target:
  - 2021 - 2022: 50% Government Websites enabled IPv6.
  - 2023 - 2025: 100% Government Websites enabled IPv6/ Readiness to deploy IPv6-only.

- **Main activities:**
  - Training for Government organizations from national to local.
  - Consulting/supporting the IPv6 transition progress of government organizations.

IPv6 Promotion Activities

- **IPv6 Training:**
  - 06 training courses for 268 trainees (03 offline/ 04 online courses).

- **02 IPv6 surveys:**
  - All the ministries
  - 12 biggest ISPs in Viet Nam.

- **Supporting:** 12 ministries and 30 provinces.

- **Others:**
  - Releasing the IPv6 training document for students and giving the document for the ministry of education and training (3/2021).
  - Official letter about promoting IPv6 deployment from the Ministry of Information and Communication to other ministries (7/2021).

i-Speed by VNNIC

Viet Nam Internet Speedtest Application Launch (4/2021)

Viet Nam Telecommunication Authority, VNNIC and biggest ISPs in Viet Nam joined the Launch
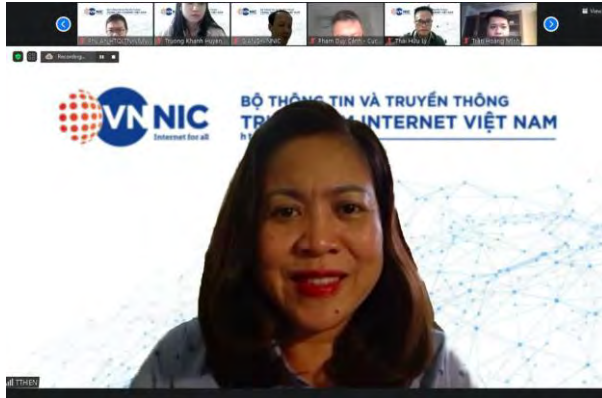
> 50 servers

40,000 App users

> 1 million samples /quarter

https://i-speed.vn / https://speedtest.vn

IP Members Meeting

- **Time:** 27/08/2021
- **Online meeting** (The flatform: VNNIC Internet Academy)
- **Topics:**
  - Draft of new policies on number internet resources: Delegation, routing, use policies.
  - Updated information/services and recommendation for all members: IPv6, ASN, RPKI.
  - Sharing the big and important events for Viet Nam community: VNNIC events, APNIC meeting, etc.
 - Getting idea and demand from members.
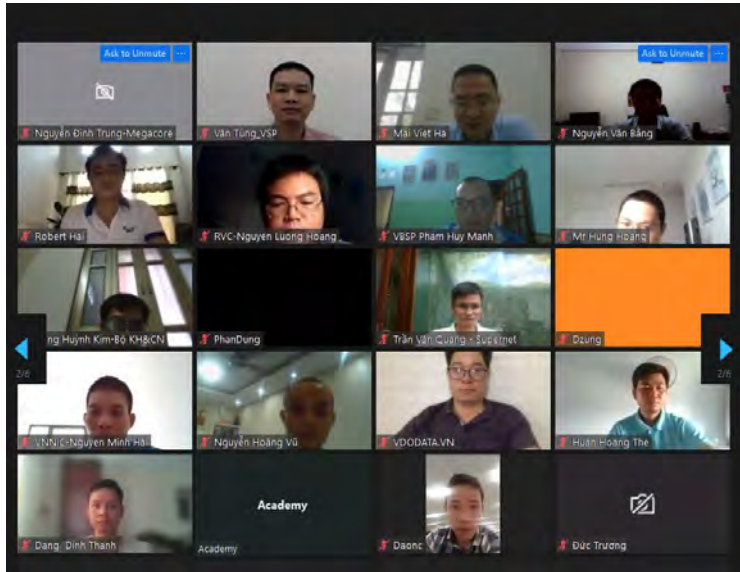
International cooperation

1. Keeping annual meetings with APNIC, KISA

2. Completing the ASEAN ICT Ecosystem project in 2 years (with Brunei and Philippines): IPv6 was one of 3 parts of the project (3/2021)

3. Online meeting with IDNIC (4/2021)

4. Online workshop: Supporting LANIC to deploy Laos National IPv6 Action Plan (6/2021)

5. Cooperating with KISA in DNS Sharing Project

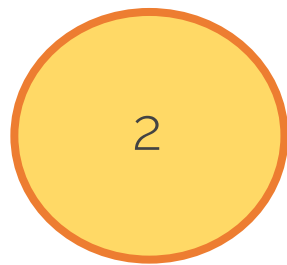6. Joined "IPv6 enhanced innovation" group of ETSI

LANIC-VNNIC meeting

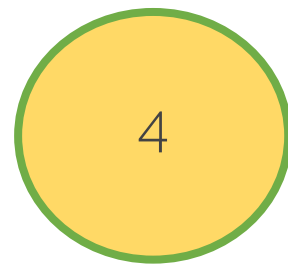https://vnnic.vn
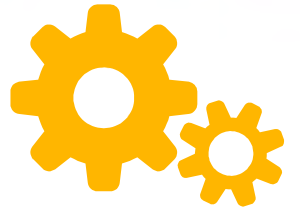
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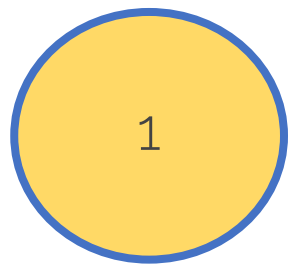
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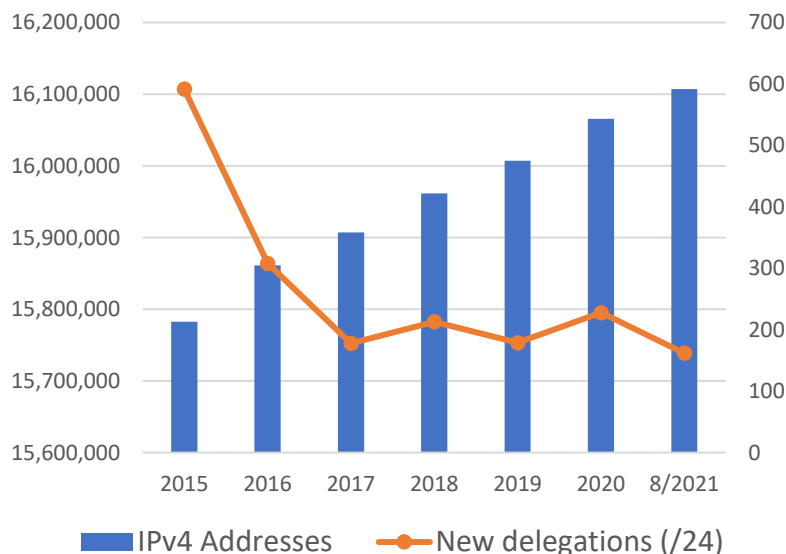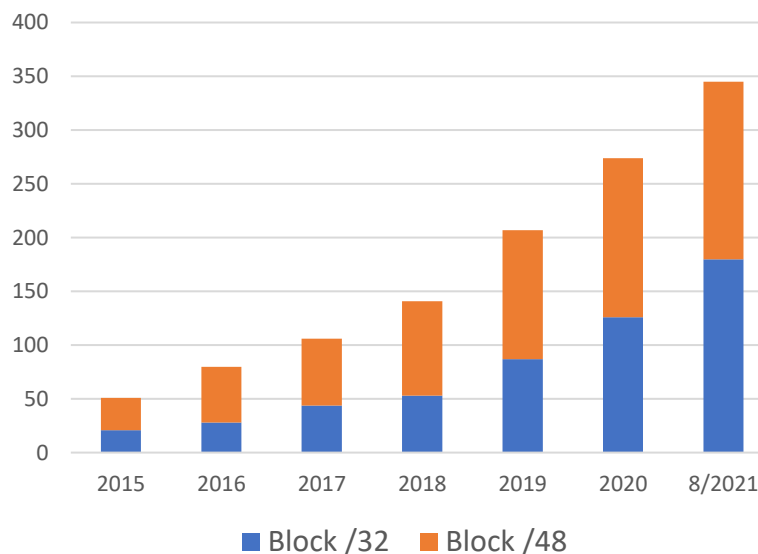
4 — Statistics
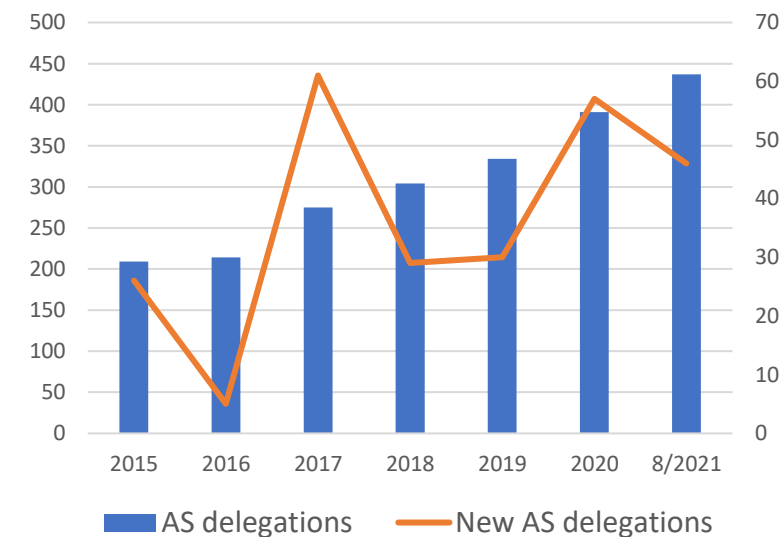
Delegations

IPv4 delegations

IPv6 delegations

ASN delegations

- New delegations in 2021: 162/24s.
- Total: 16,1 million IPv4 addresses.

- New delegations in 2021: 71 delegations (54 /32s and 17 /48s).
- Total: 180 /32s and 165 /48s.

- New delegations in 2021: 46 ASNs.
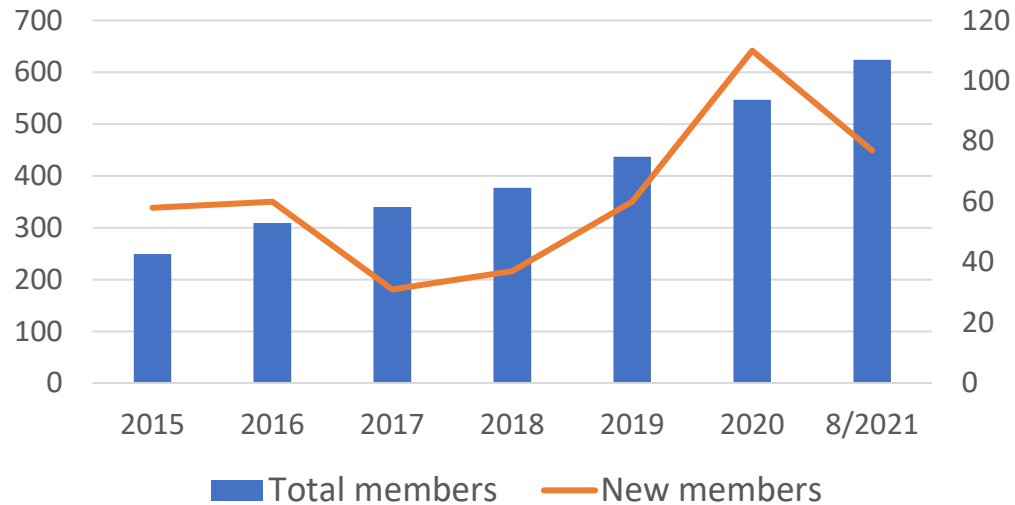- Total: 437 ASNs

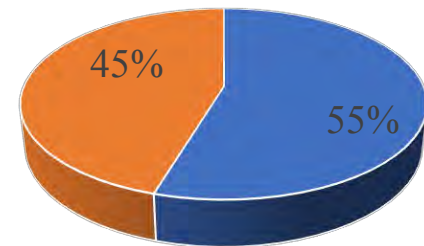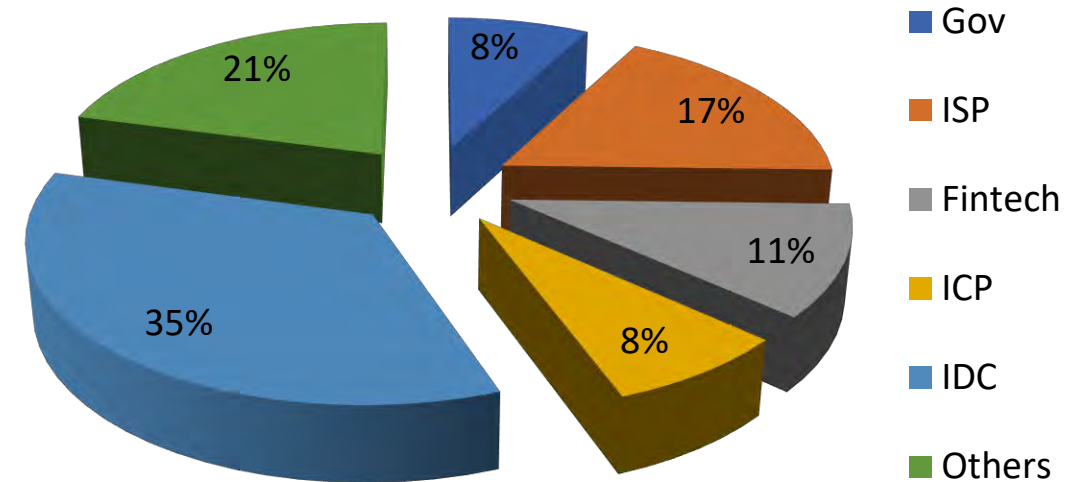VN NIC
Internet for all

https://vnnic.vn

Members

IP members growth

- **New members in 2021: 77 members.**
- **Total: 624 members.**
  - **% of IPv6 members: 55%**
  - **% of AS members: 66%**

Gov — 8%
ISP — 17%
Fintech — 11%
ICP — 8%
IDC — 35%
Others — 21%

IPv6 members 55%
Non-IPv6 members 45%
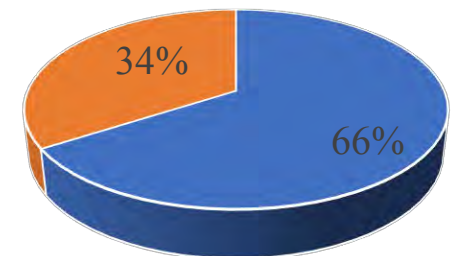
AS members 66%
Non-AS members 34%

Viet Nam IPv6 Measurement
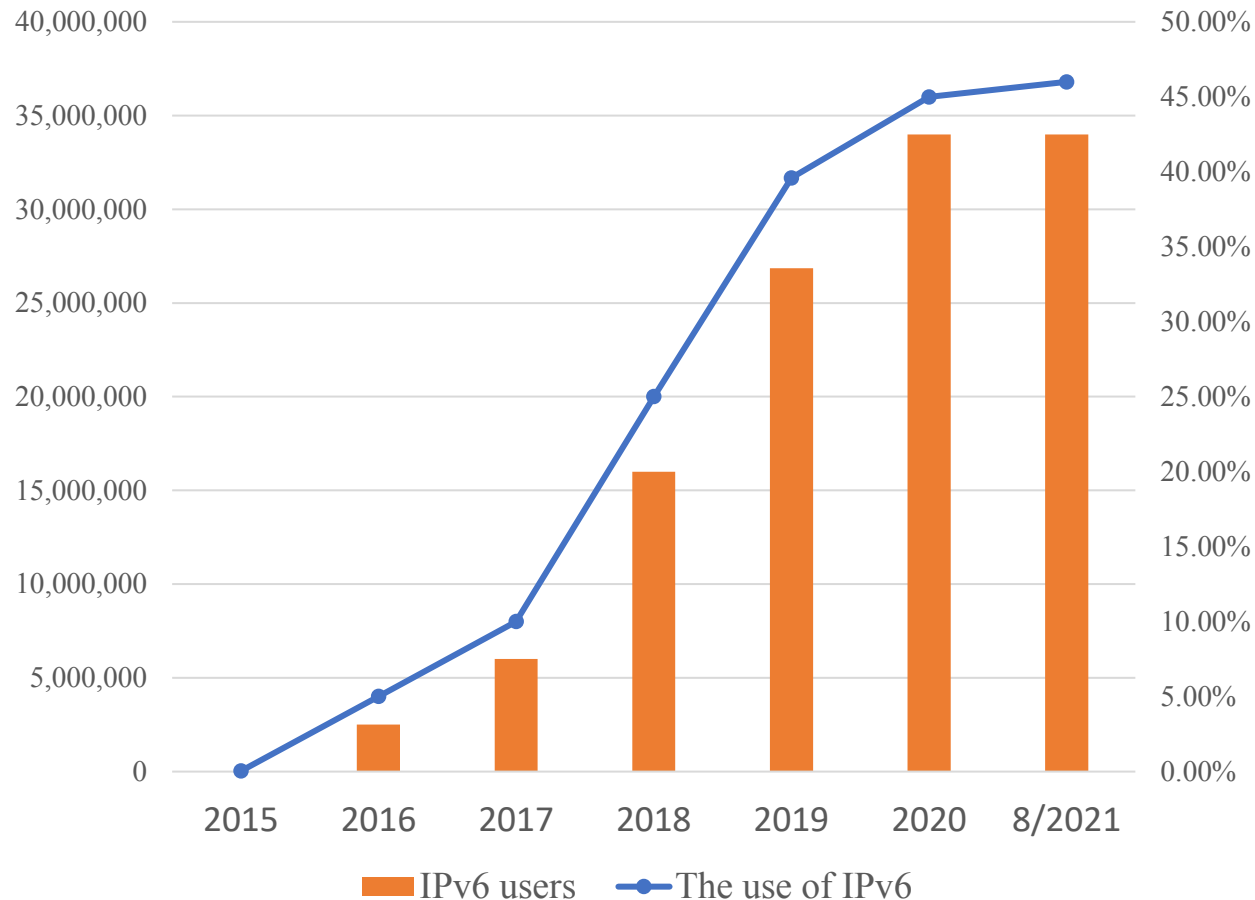
- The use of IPv6 for Viet Nam: 46%, ranked the 2nd ASEAN, 8th over the world (source: APNIC).
- FTTH: 11 million IPv6 subs (68%).
- Mobile: 40 million IPv6 subs (57%).
- Web: 11,000 Webs within '.vn' enabled IPv6.

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Internet for all

https://vnnic.vn

IPv6 For Gov
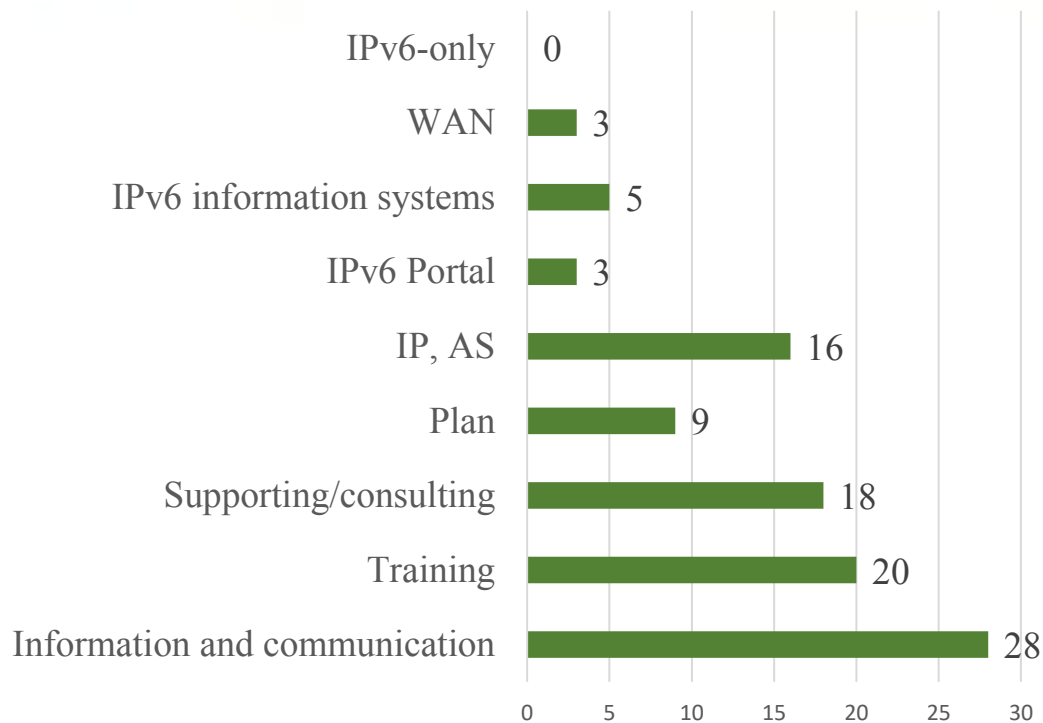
The status of ministries (total: 29)
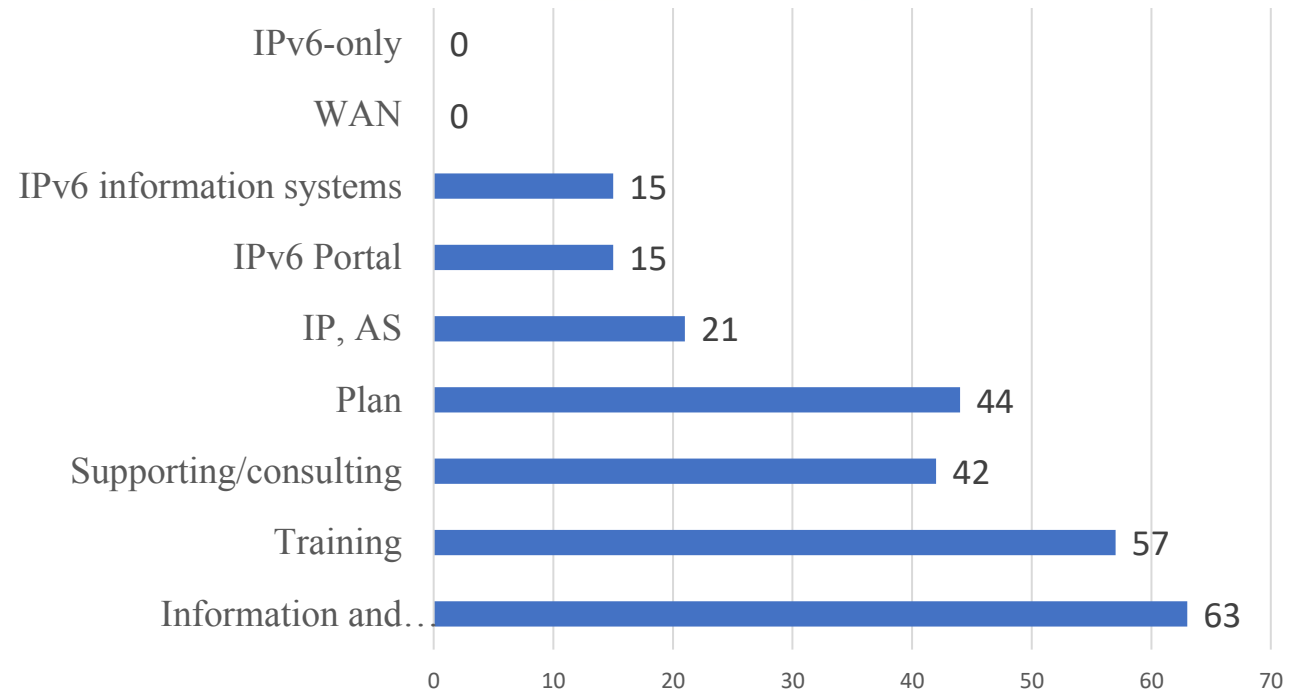
The status of cities/provinces (total: 63)

- 60% ministries, cities, provinces having IPv6 Plan
- 20% Portals enabled IPv6

https://vnnic.vn

Upcoming events

https://vnix-nog.vn

VNIX – NOG 2021 (28 – 29/9/2021) – online

- Workshop: Routing BGP Multihome and VNIX

- Conference: IPv6, Routing, Security, new technology ....

VNNIC Internet Conference

RPKI WEBINAR
IP members (Inviting the trainer from APNIC)

https://vnnic.vn

Opening	IPV6, IPv6 For Gov Furum	.VN and Registrar	DNS Forum
VNIX and Peering	Operator and Sercurity	Internet for Students	Booth

VN NIC
Internet for all

DOMAIN .VN
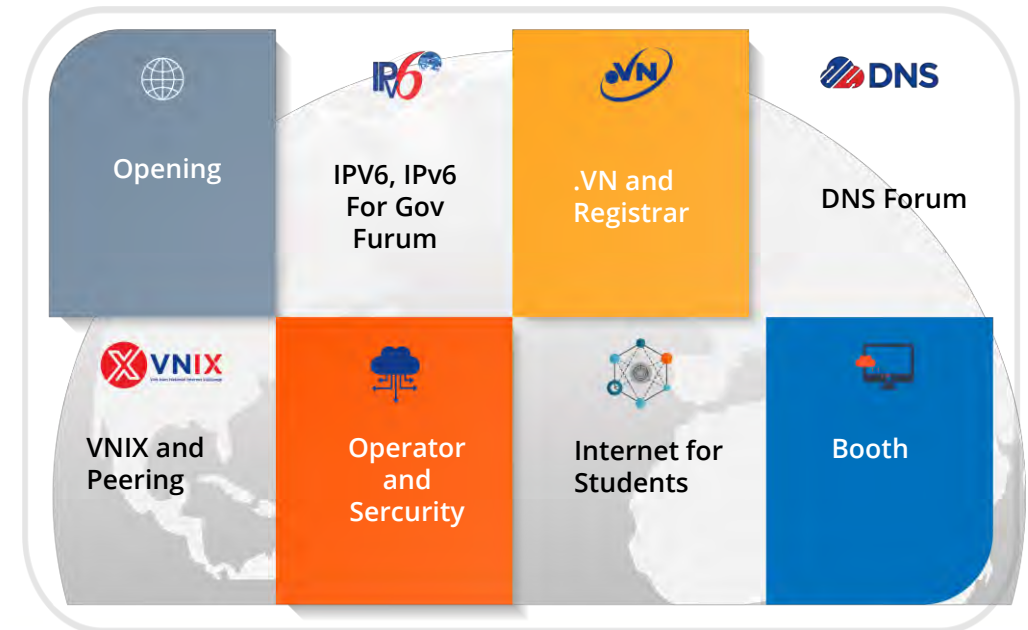
ELEVATING VIETNAMESE BRANDS

VNIX — Viet Nam National Internet eXchange

DNS — National .VN Domain Name System

ASN — Your Net ID

IP v4 v6 — Internet Address

INTERNET SPEED by VNNIC

VN NIC INTERNET ACADEMY

VN NIC INTERNET ATLAS

Thank you !

MINISTRY OF INFORMATION AND COMMUNICATIONS
VIETNAM INTERNET NETWORK INFORMATION CENTER

Headquarters: Floor 24th, VNTA Building, Duong Dinh Nghe st., Yen Hoa Ward, Cau Giay Dist., Hanoi

Da Nang Branch: Lot 21, 7th st., An Don Industry Zone, Son Tra Dist., Da Nang City

HCMC Branch: 20th St., Tan Thuan Manufacturing area, 7 Dist., Ho Chi Minh City

📞 +84 24 3556 4944

✉ webmaster@vnnic.vn

f facebook.com/myVNNIC/

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