

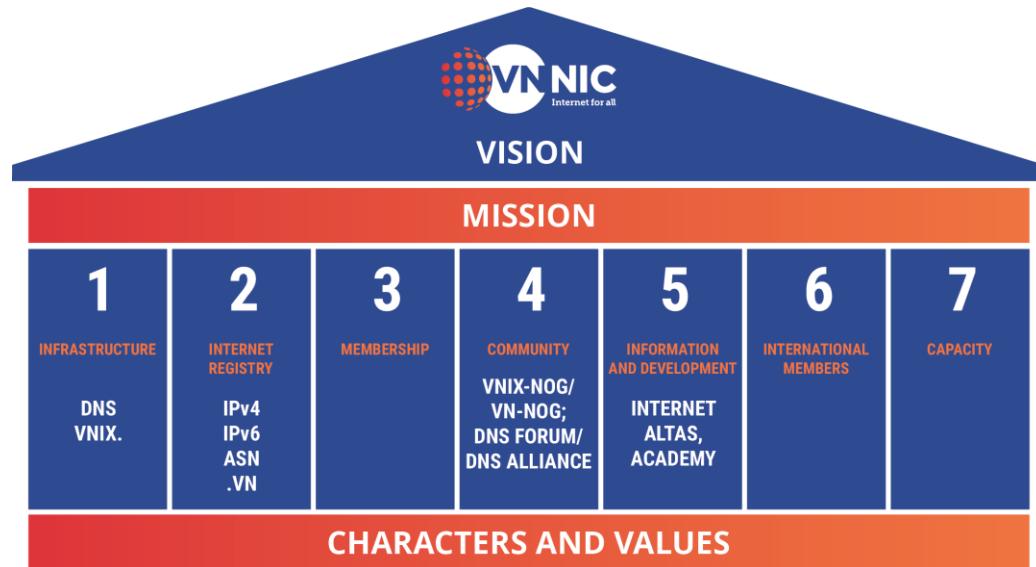


MINISTRY OF SCIENCE AND TECHNOLOGY  
VIET NAM INTERNET NETWORK INFORMATION CENTER

# VNNIC Update

NIR SIG | APNIC 61

# VNNIC – VISION AND MISSION IN THE NEW ERA



## NIC/ NATIONAL INTERNET REGISTRY

Provide critical Internet infrastructure and Internet resources in line with next generation Internet

01



02



Provide reliable information and knowledge on Internet, Internet resources to Viet Nam community, promote safe and sustainable Internet development

# VNNIC - VISION AND MISSION IN THE NEW ERA



VNNIC's services and products to pursue the vision of "Internet for all" and meet the requirements of intelligent era

# INTERNET CAPACITY BUILDING – CONFERENCES AND EVENTS IN 2025



To initiate discussion amongst community towards the vision of an intelligent, secure and sustainable Internet in Viet Nam.

- Time: June or July
- 300 – 500 people
- Attendees: CEO/Leader, technical manager

Since 2020

**VNNIC Internet Conference 2025: Topic - Breakthrough Era with the Development of Industrial Internet**



To share in-depth experience in operating, peering, and developing Viet Nam National Internet eXchange (VNIX) and critical Internet infrastructures.

- Time: September or October
- 150-200 people
- Attendees: network operators and engineers

Since 2016

**VNIX-NOG 2025: Topic - Peering 2.0: IPv6-Only, Automation, Driving the Next Leap**



# INTERNET CAPACITY BUILDING – CONFERENCES AND EVENTS

## APAC DNS FORUM



# INTERNET CAPACITY BUILDING – VNNIC INTERNET ACADEMY



## FREE LEARNING PLATFORM VNNIC INTERNET ACADEMY

(<https://academy.vnnic.vn>)

Provide free workshops, webinars, etc., on basic and advanced knowledge on Internet to local community.

**9+**  
main topics

**61+**  
Courses

**31**  
Articles

**5700**  
students from 2020 –  
2025, increased by 69%

**14+** local and international experts  
participate in course preparation and  
teaching

### FOR YOUTH

- 3 fellowship programs
- Uni-tour programs for promoting Internet resources in Viet Nam

### FOR ENGINEER (authorities, government agencies/ ISP, Mobile, enterprises)

- 5 Workshops/ webinars (IPv6 only, Routing security, RPKI, DNS)  
~ 500 people

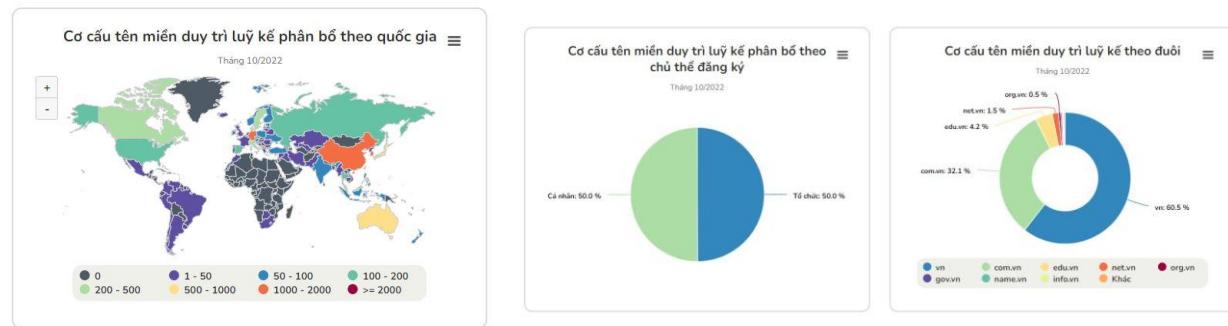


<https://vnnic.vn>

# INTERNET CAPACITY BUILDING – INFORMATION AND MEASUREMENT



Data collection and analysis of critical Internet infrastructure and Internet resources in Viet Nam  
<https://internetatlas.vnnic.vn>



Internet performance, IPv6 connection speed of Internet users in Viet Nam  
<https://i-speed.vn>; <https://speedtest.vn>



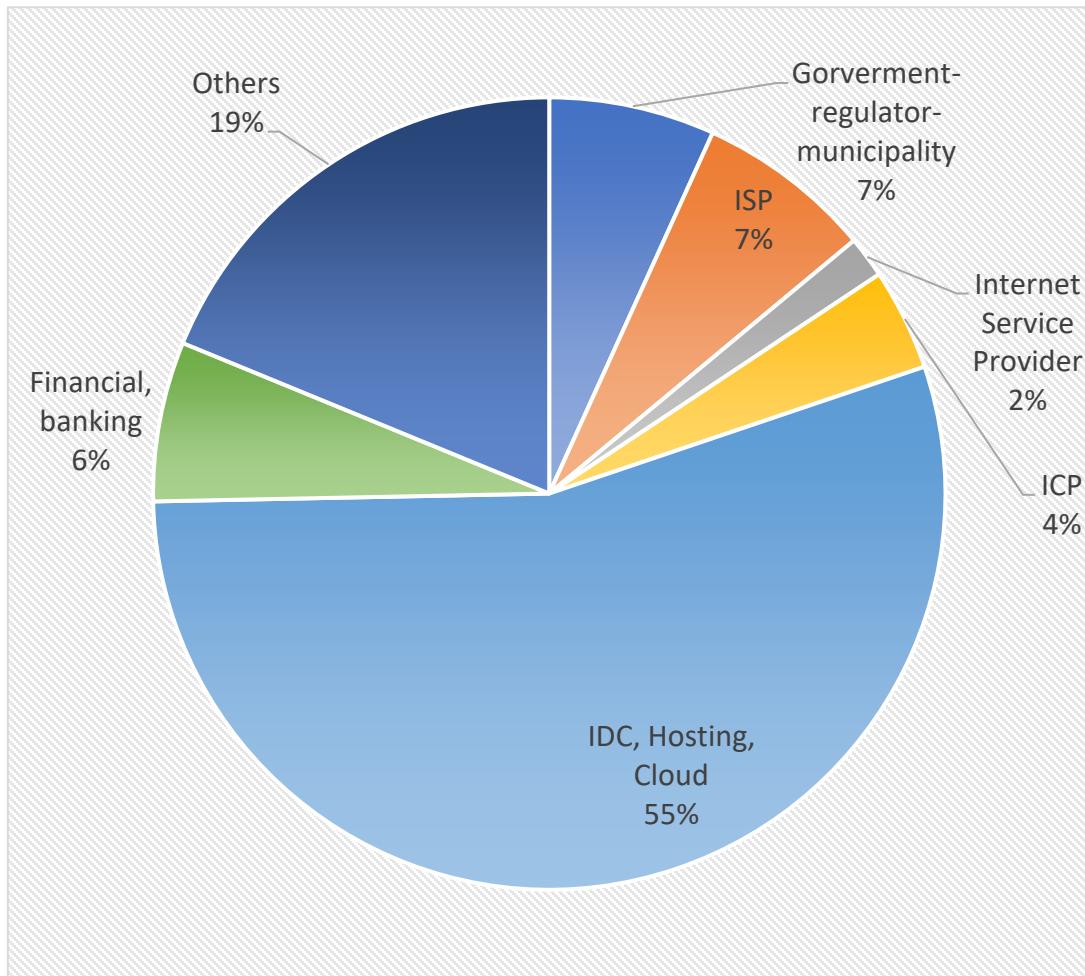
Report on Internet, Internet resources (White paper)

<https://vnnic.vn>

# IPV4, IPV6, ASN DELEGATION

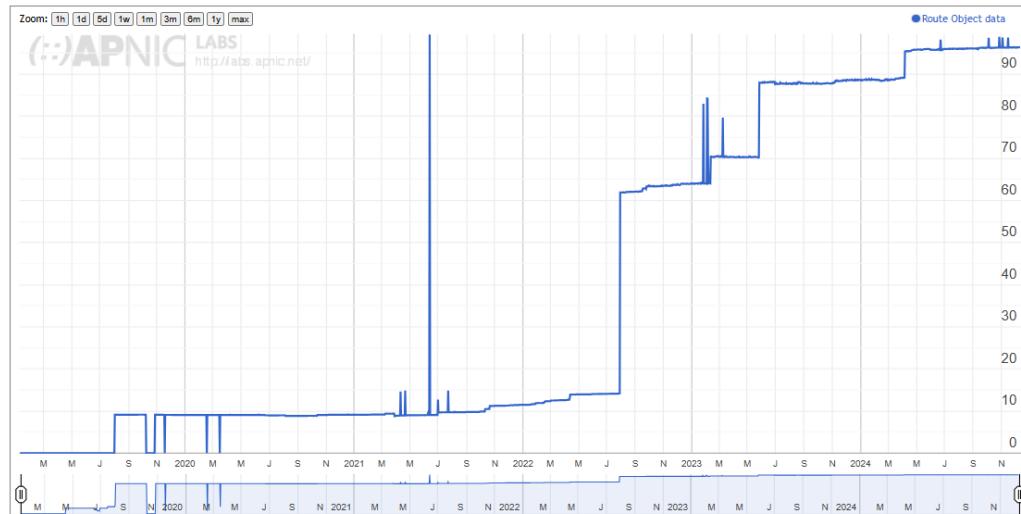
## IP/ASN delegation in 2025:

- Delegated 110 /23 IPv4 blocks
- Delegated 96 /48 and 07 /32 IPv6 blocks
- Assigned 95 ASNs
- IP/ASN members reached 1159 members



*IP Members structure based on Industry 2025*

# RPKI AND ROUTING SECURITY



ROA/RPKI in Viet Nam (Source: APNIC Lab)

## New Policy

- Circular No. 48/2025/TT-BKHCN of Ministry (MST)
  - IP members: ROA
  - ISPs: Deploying RPKI to ensure secure connectivity for domestic and international Internet networks and services

## Activities in 2025

- RPKI deployment guidelines/ documents for IP members
- Official letters to members
- Promoting big ISPs recommending/ introducing their members
- 01 workshop
- Supporting ISPS/ Members usually

## Results

- 98% IPv4 ROA
- 80% members created ROA
- Reducing 73% routing incidents comparing with 2023 (source MANRS)

# IPv6 DEPLOYMENT IN VIET NAM

## HOW TO DO:

- **Go early and keep promotion**
  - 2012: World IPv6 Launch;
  - 2013: Launch of IPv6 Viet Nam
- **State orientation (program)/ promotion policies -> model, pilot -> handbook, guide, training -> replication -> companion, support**
- **Human resources:** trained 5,993 officials of state agencies & enterprises on IPv6, IPv6 only.
- Leadership and support from the Ministry of Science and Technology, together with the active participation of enterprises, agencies, and organizations.

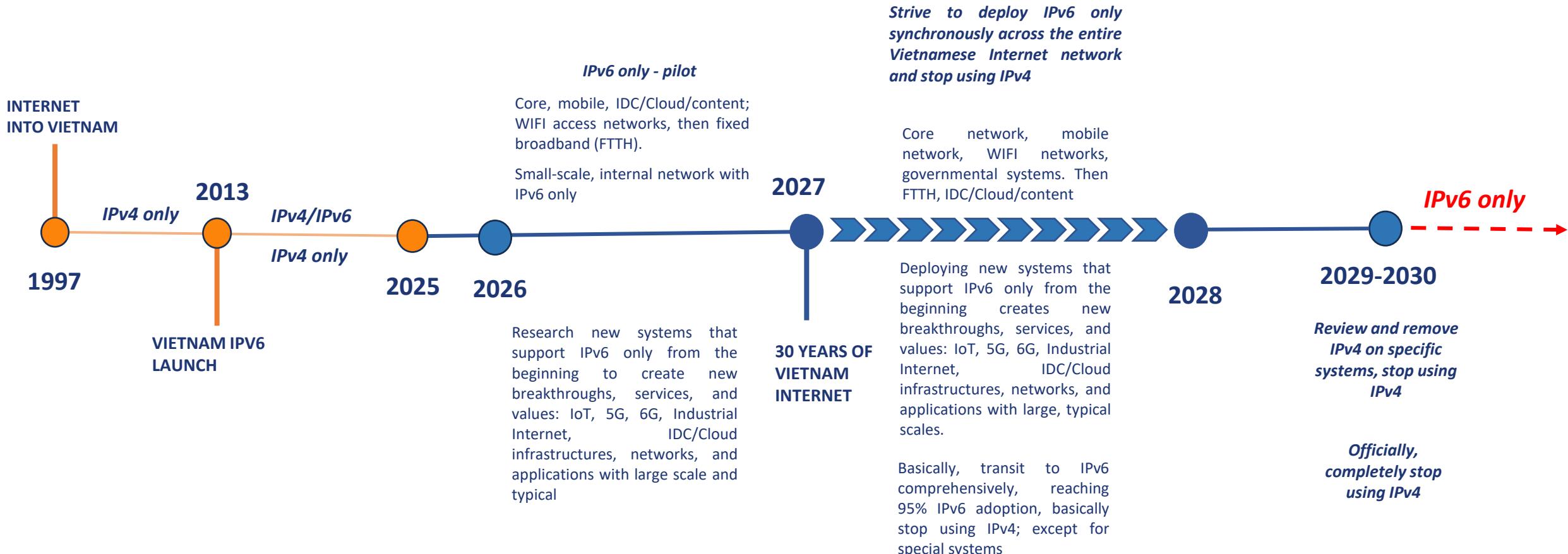
## RESULTS:

- 65–68% IPv6 adoption rate; 86% of broadband Internet subscribers actively using IPv6
- 100% IPv6 deployment for VNIX and .vn DNS systems
- 95% of ministries and provinces have IPv6 plans and are deploying IPv6 (89% have enabled IPv6 for government portals and e-service platforms)
- 44,462 .vn websites enabled with IPv6

## New Policy:

- Circular No. 48/2025/TT-BKHCN of the Ministry of Science and Technology on Promoting IPv6 for IP Members, ISPs, ICPs, ...
- IPv6-Only Program for the Period 2026–2030  
(*Decision No. 3369/QD-BKHCN dated 27 Oct 2025*)

# TIMELINE TOWARD IPV6 ONLY IN VIET NAM



# MoU signing ceremonies and bilateral meetings



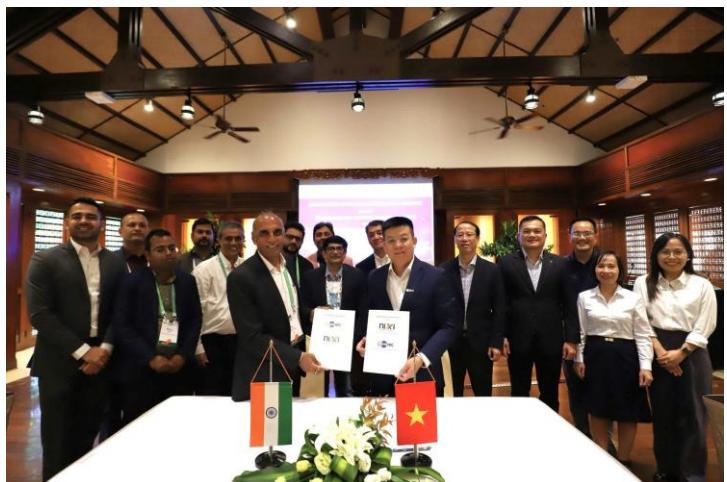
CNNIC



JPNIC



APNIC

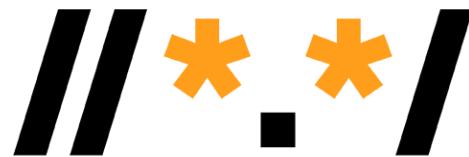


NIXI



KISA

# UPCOMING EVENTS



Universal Acceptance

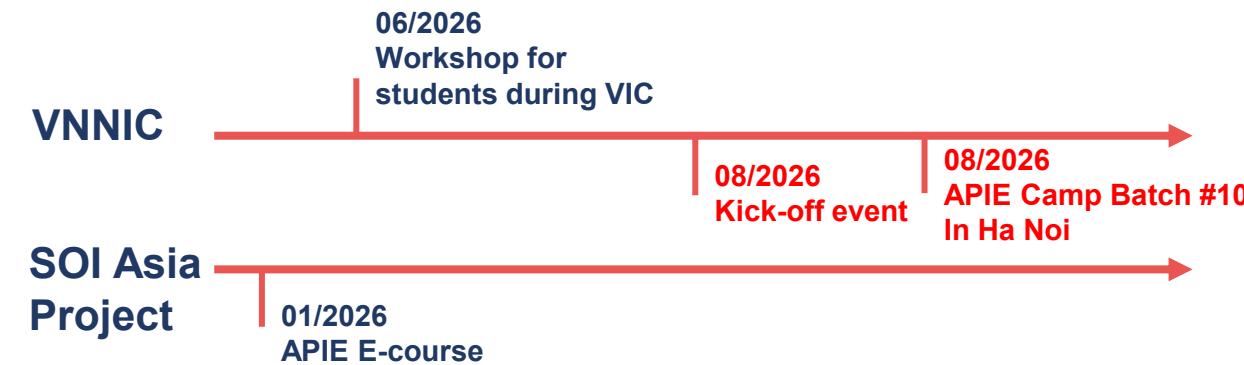
UA Day  
#Internet4All

UA Day	
Time	17/4/2026
Location	Ha Noi, Viet Nam
Attendees	Registries, Registrars, community,...
	150 pax
Duration	Half-Day UA Day Regional Strategy Review Event
Theme	Strengthening Regional Collaboration for Universal Acceptance Implementation in Asia-Pacific



VNNIC Internet Conference 2026	
Time	June, 2026
Location	Ho Chi Minh city, Viet Nam
Attendees	CEO/Leader, technical manager, engineer, Internet community...
	400 pax
Theme	IPv6-only

# UPCOMING EVENTS



VNIX-NOG 2026	
Time	October, 2026
Location	tbc
Attendees	Network operators and engineers
	150 pax



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Thank you !