



MINISTRY OF INFORMATION AND COMMUNICATIONS
VIETNAM INTERNET NETWORK INFORMATION CENTER

VNNIC Update

APNIC 57 | APNIC NIR SIG | 28th Feb 2024

VNNIC'S VISION AND MISSION

NIC/ NATIONAL INTERNET REGISTRY

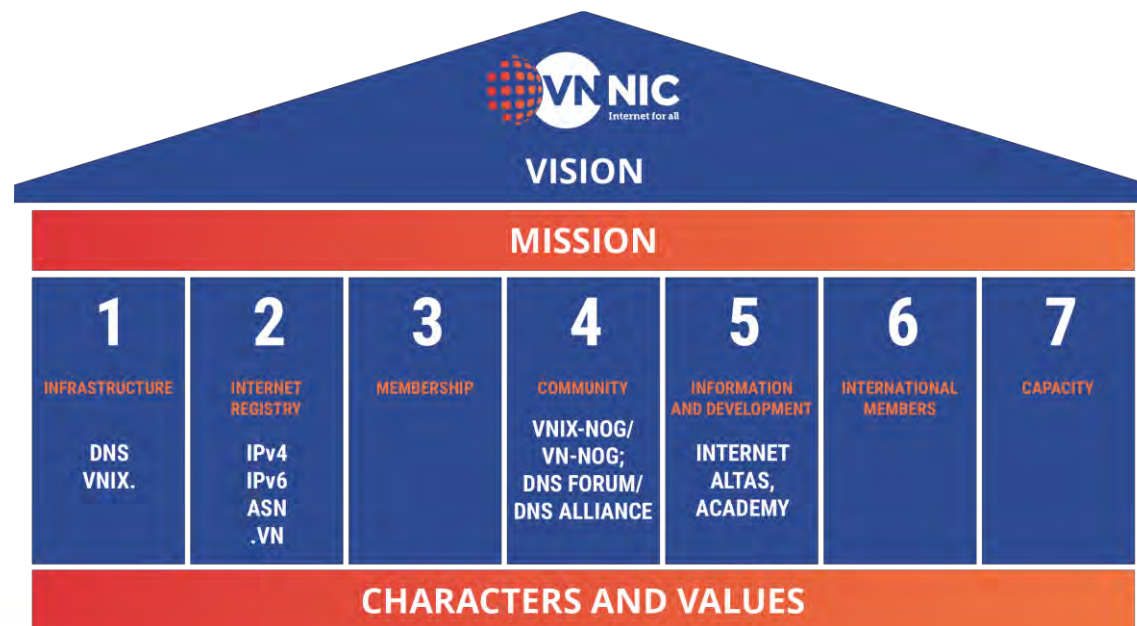
Provide critical Internet infrastructure and Internet resources

01



02

Provide reliable information and knowledge on Internet, Internet resources to Viet Nam community



1-2-3. INTERNET INFRASTRUCTURE AND INTERNET RESOURCES

INTERNET INFRASTRUCTURE

**National DNS –
the heart of Viet Nam Internet**
Ensure the trust and security of
online activities



**Viet Nam National Internet
Exchange**
Connecting networks and digital
platform in Viet Nam
>50 network members



INTERNET RESOURCES



.vn domain name

Associate .VN domain with social, economic growth and digital transformation in Viet Nam

- **608.929 .vn domain name**
- **Growth rate: 6%, 2nd place in ASEAN, 10th place in Asia Pacific (by 31/12/2023)**



IP address, ASN delegation (by 31/12/2023)

Resources for developing Internet infrastructure on the new generation of Internet

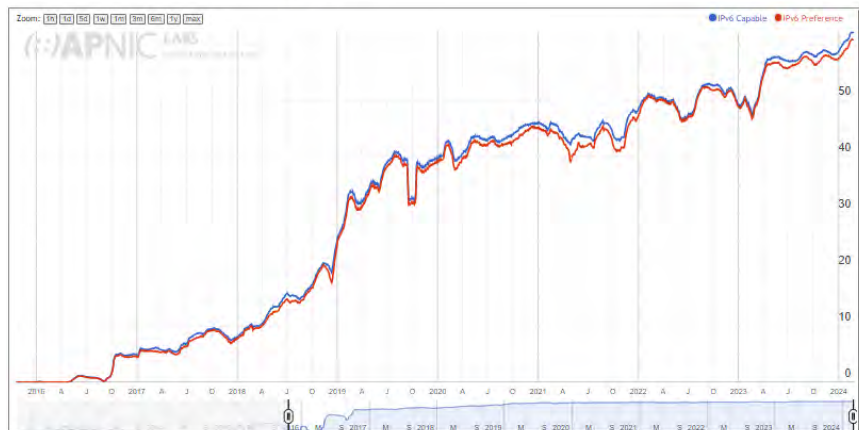


- **950 members (growth rate: 17%,)**
- **70% members holding IPv6**
- **68% members holding ASN.**

1-2-3. INTERNET INFRASTRUCTURE AND INTERNET RESOURCES (by 31/12/2023)



Use of IPv6 for Vietnam (VN)



- 02 Programs: IPv6 Viet Nam and IPv6 For Gov.
- IPv6 adoption: 60%, 2nd place in ASEAN, 9th place in the world
- 77% IPv6 FTTH Subs and 70% IPv6 Mobile Subs
- IPv6 For Gov: 90% Websites of Ministries, Provinces, cities enabled IPv6.

IPV6 DEPLOYMENT

Training in 2023

- 10 IPv6 training courses
- 767 attendees

Consultation meetings/ WS in 2023

- IPv6 Conference (Chairman: Deputy Minister)
- A workshop with 7 biggest ISP/ mobile operators in Viet Nam
- 07 Government Agencies consultation meetings



1-2-3. INTERNET INFRASTRUCTURE AND INTERNET RESOURCES

RPKI DEPLOYMENT IN VIET NAM:



88.6%

ROA/RPKI signing rate



651 IP members

signed ROA/RPKI



06 courses, 710 officials

were trained in RPKI deployment

Use of Route Object Validation for Vietnam (VN)

Display: Addresses (Advertised ROA-Valid Advertisements), IPv4, Percent (of Total)



Source: APNIC Lab

4. COMMUNITY DEVELOPMENT

1. CONFERENCES SPECILISED IN INTERNET AND EMERGING TECHNOLOGY

- VNNIC Internet Conference 2023 (June)
- VNIX-NOG 2023 (October)
- OPM (VNNIC IP member meeting) 2023 (November)



VNNIC Internet Conference 2023 (VIC)

2. TRAINING WORKSHOP, WEBINAR, ONLINE ACADEMY

- IPv6, DNS, Network, Routing Security, Internet Governance,...
- Audience: engineer, network operator, student,...

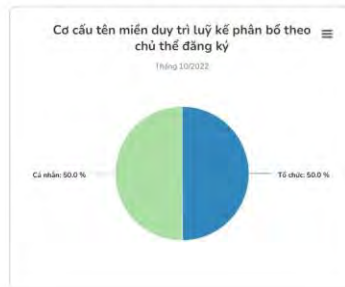


VNIX-NOG 2023

5. MEASUREMENT, INFORMATION



- Data collection and analysis of critical Internet infrastructure and Internet resources in Viet Nam



Internet performance, IPv6 connection speed of Internet users in Viet Nam

THỰC HIỆN ĐO

Private IP Address
172.31.254.124

FPT
Hà Nội
Chọn điểm đo khác

Cài đặt ngay ứng dụng i-Speed by VNNIC để trải nghiệm tốt hơn. Thuê bao di động được miễn cước data khi sử dụng i-Speed.

Download on the App Store
GET IT ON Google play



6. INTERNATIONAL MEMBERS/ COOPERATION



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VNNIC was chosen to be local host, supporting ICANN and DNS-OARC to successfully organize the ICANN DNS Symposium and DNS-OARC Conference in September 2023 in Da Nang



6. INTERNATIONAL MEMBERS/ COOPERATION

2023 – 1/2024:

- **Meetings** with APNIC, JPNIC, JPRS, KISA, TWNIC, LANIC, LTRA ...
- **Re-signed/Signed MoU** with KISA, LANIC, LTRA
- **Joined as a Speaker** at TWNIC OPM #40

Aug 2023
Bilateral meeting with APNIC



Sep 2023
Re-signed MoU with KISA



Nov 2023
Meeting with JPNIC, JPRS



Jan 2024
Re-signed MoU with LANIC



Jan 2024
Signed MoU with LTRA

What's next



POLICY

- Report our proposal about ASN fee to MIC; working with Finance Ministry to change the Circular.
- Working with Authorities to change the regulations of Internet Resources management in Viet Nam.

Products

- New Resource Management System
- New portal to VNNIC's members

Promotion Activities (IPv6, RPKI, BGP networks)

- Workshop, Training
- Conference, meetings ...

Upcoming Events



IPv6 Conference
3/2024, in Hanoi



VNNIC Internet Conference 2024

Date: 04-07 June, in Hanoi

Topic: Secure and Sustainable Internet Infrastructure
in the development of emerging Technology

Web: <https://internet-conference.vn/>



IP member meeting 2024
8/2024



VNIX-NOG 2024
10/2024

APTLD86 Members Meeting

17-20/9/2024, in Da Nang, Viet Nam

VNNIC – Local Host





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

facebook.com/myVNNIC/

webmaster@vnnic.vn

https://vnnic.vn/