



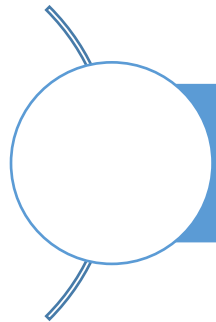
MINISTRY OF INFORMATION AND COMMUNICATIONS
VIETNAM INTERNET NETWORK INFORMATION CENTER

VNNIC UPDATE

Truong Khanh Huyen
Vietnam Internet Network Information Center (VNNIC)
Email: huyentk@vnnic.vn

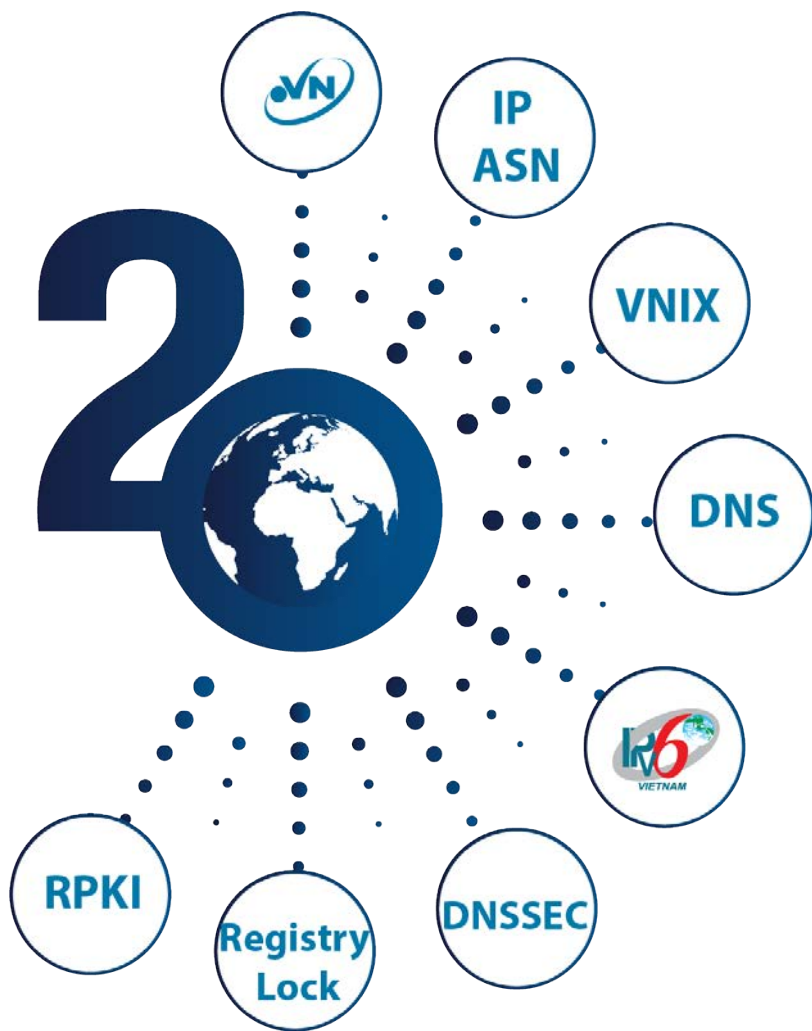
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About VNNIC

About VNNIC



Vietnam Internet Network Information Center (VNNIC) - Ministry of Information and Communications -

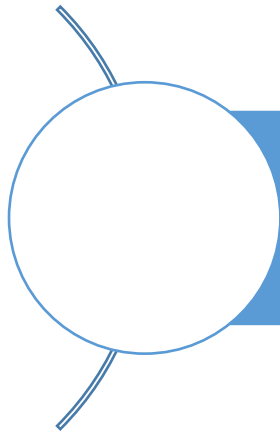
- ❖ .VN domain name (ccTLD)
- ❖ IP address and ASN
- ❖ National Critical Information Infrastructures



Report on Viet Nam Internet Resources 2019

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

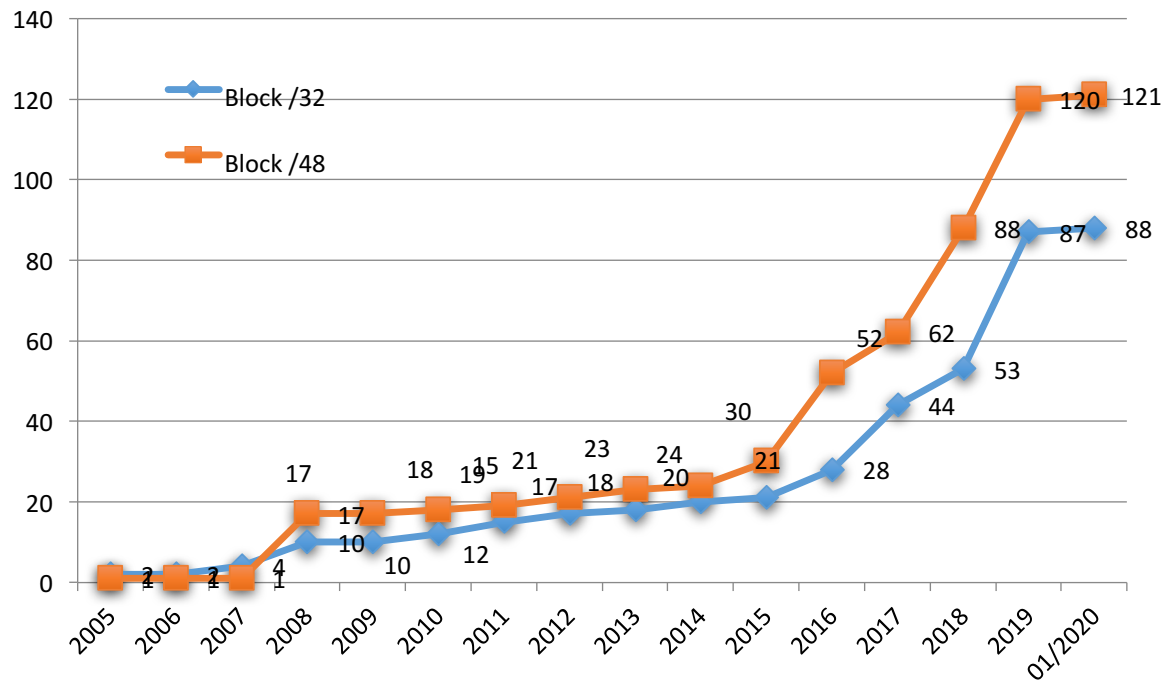




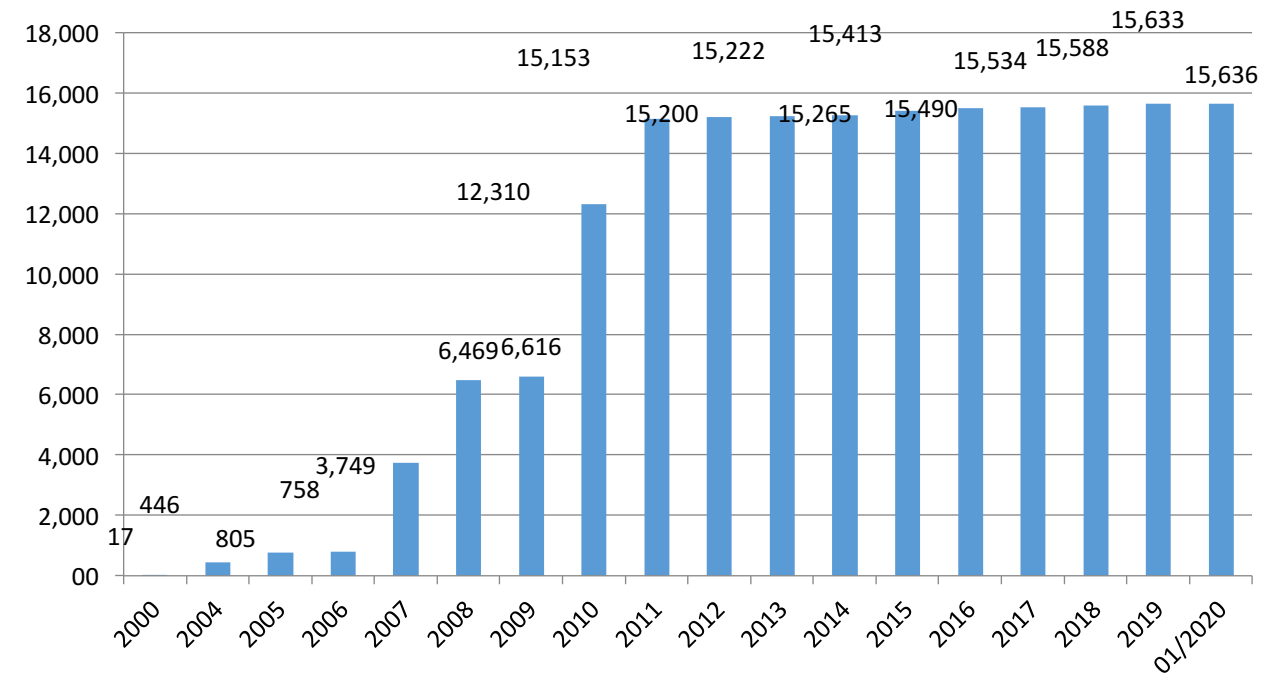
IP, ASN Statistics and IPv6 Deployment in Viet Nam

Delegation - IPv4/IPv6 Delegation (By 31/01/2020)

- IP members: 443 members (60 new members in 2019).
- IPv4 addresses: 15.636 blocks /22
- IPv6 addresses: 88 blocks /32 and 121 blocks /48.
- ASN Delegation: 337 ASNs (2-byte, 4-byte)



IPv6 delegation over time



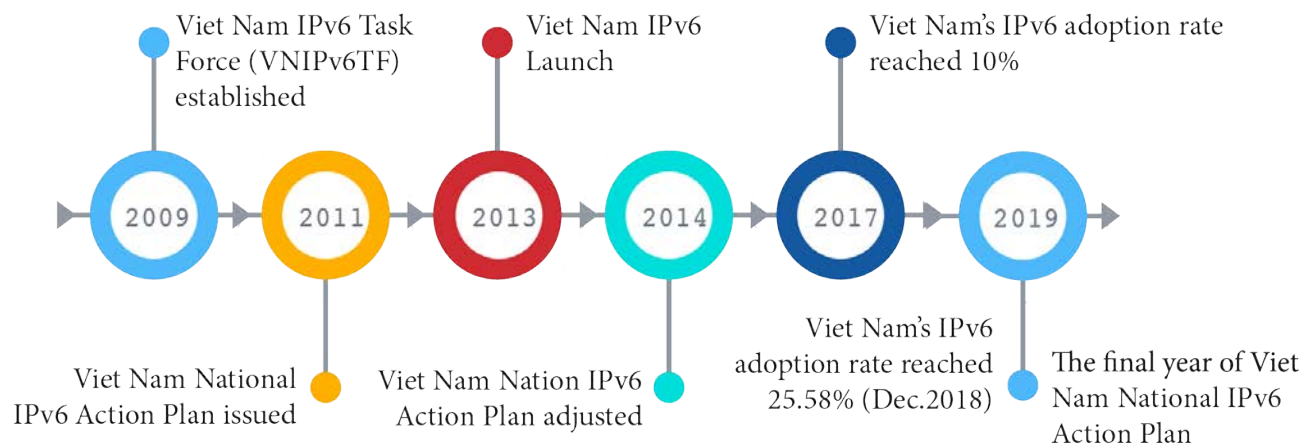
IPv4 delegation over time



IPv6 Deployment in Viet Nam

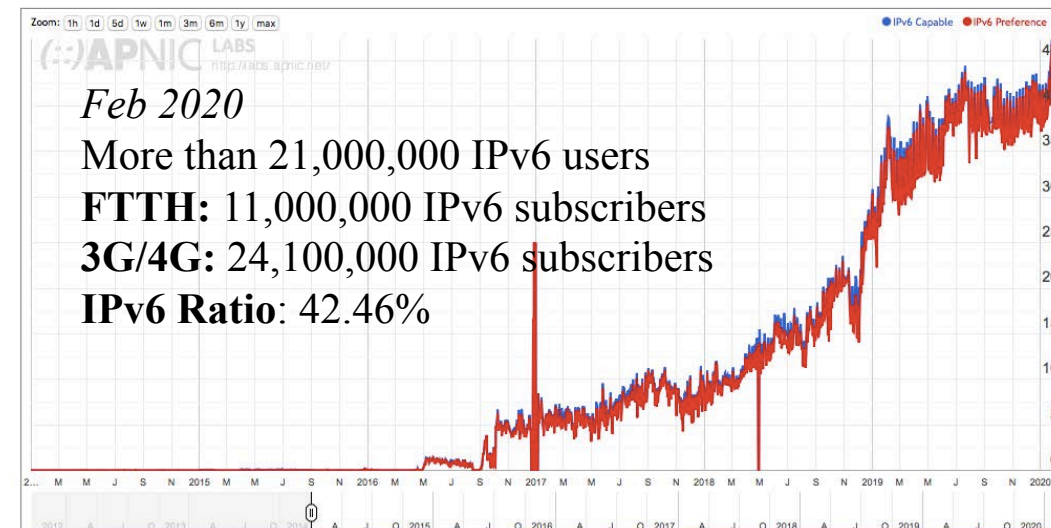
Accomplished the National IPv6 Action Plan

VNNIC: The Standing Committee of VN IPv6TF



Use of IPv6 for Vietnam (VN)

Source: APNIC



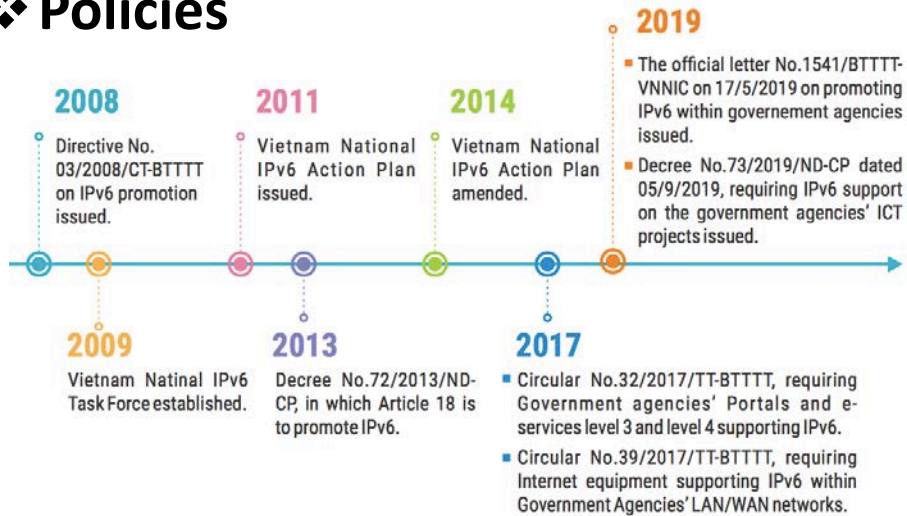
ISPs and Mobile Providers has driven IPv6 adoption in Viet Nam

- ❖ Viettel: 5 million FTTH users and 11 million mobile users
- ❖ VNPT: 4 million FTTH users
- ❖ Mobifone: 3 millions mobile users
- ❖ FPT Telecom: 1.5 million FTTH users



IPv6 Deployment in Viet Nam

❖ Policies



❖ Public Media



Promoting IPv6 on Public media, IPv6 sub-site in MIC Portal and many Departments' Portals, ect.

❖ Annual Events



Annual Viet Nam IPv6 Days from 2012 – 2019 (<http://ipv6event.vn>).



Promoting IPv6 in annual IP Member Meetings, VNIX-NOG meetings and other ICT events.

❖ Training

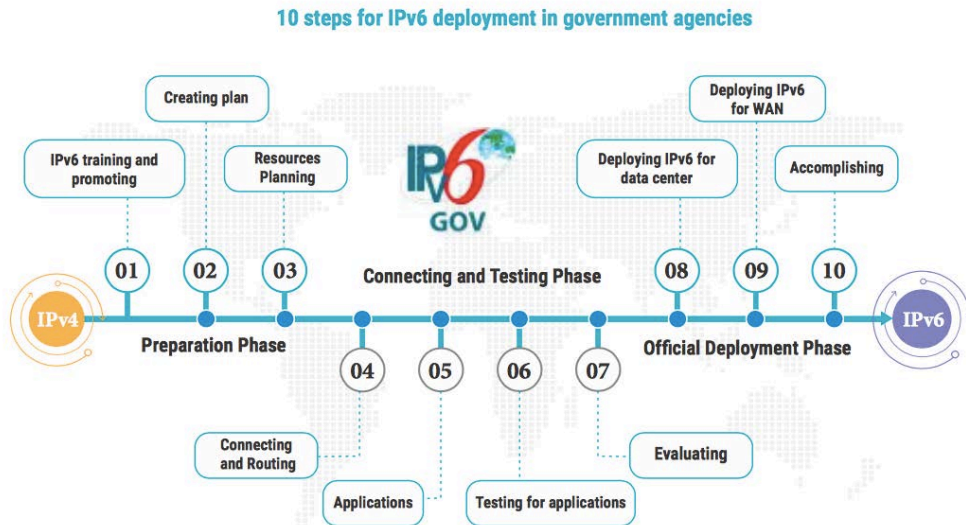
- 50 IPv6 training courses
- 1,950 attendees from enterprises (ISP, CP, software vendors, etc.) and government agencies (from central to local agencies).



IPv6 Delopment over 5G workshop in Jan 2020

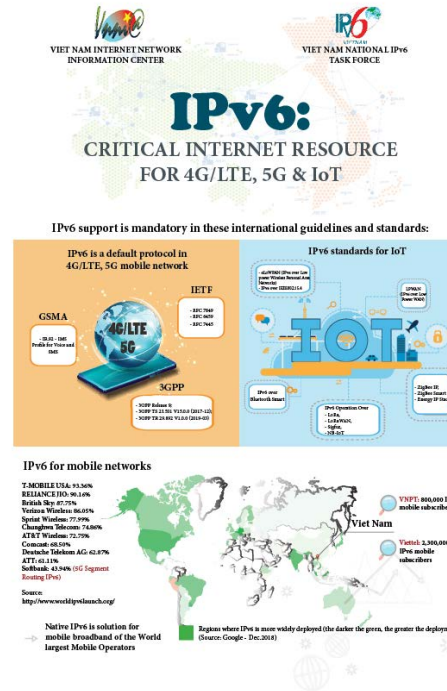
IPv6 Deployment in Viet Nam – Future Projects

❖ IPv6 for Gov



<https://www.vnnic.vn/ipv6forgov>

❖ IPv6 for 4G/LTE, 5G and IoT

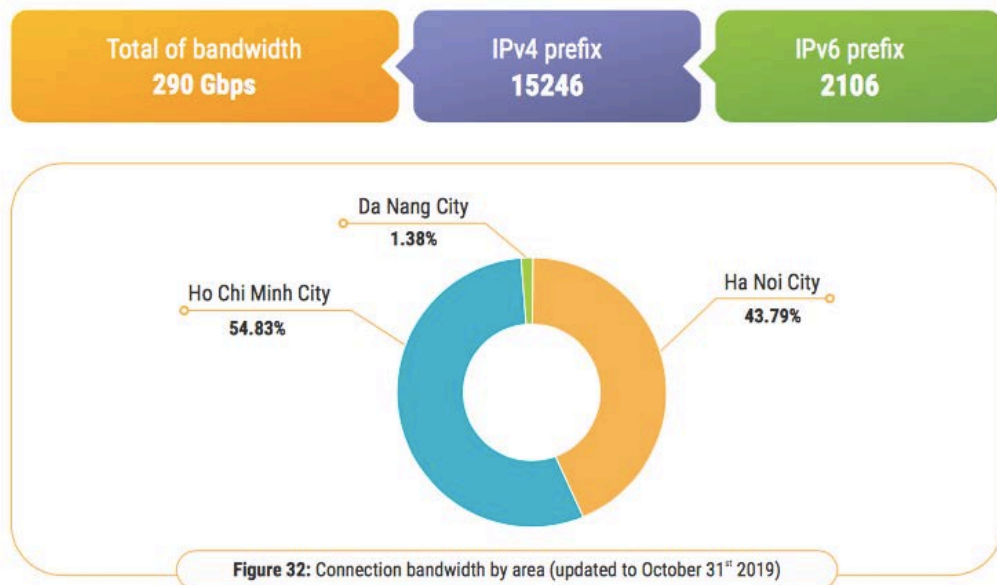


❖ IPv6 content



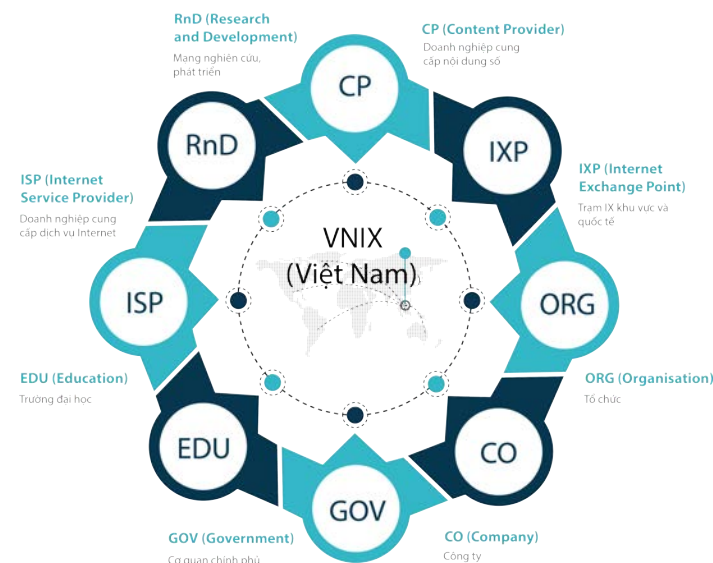


Vietnam Internet eXchange (VNIX)



2019: 21 members

New policies



Supports multilateral and bilateral type of peering connection and allows all members who have IP/ASN assigned by VNNIC to connect to VNIX.

2020 target: 100 members

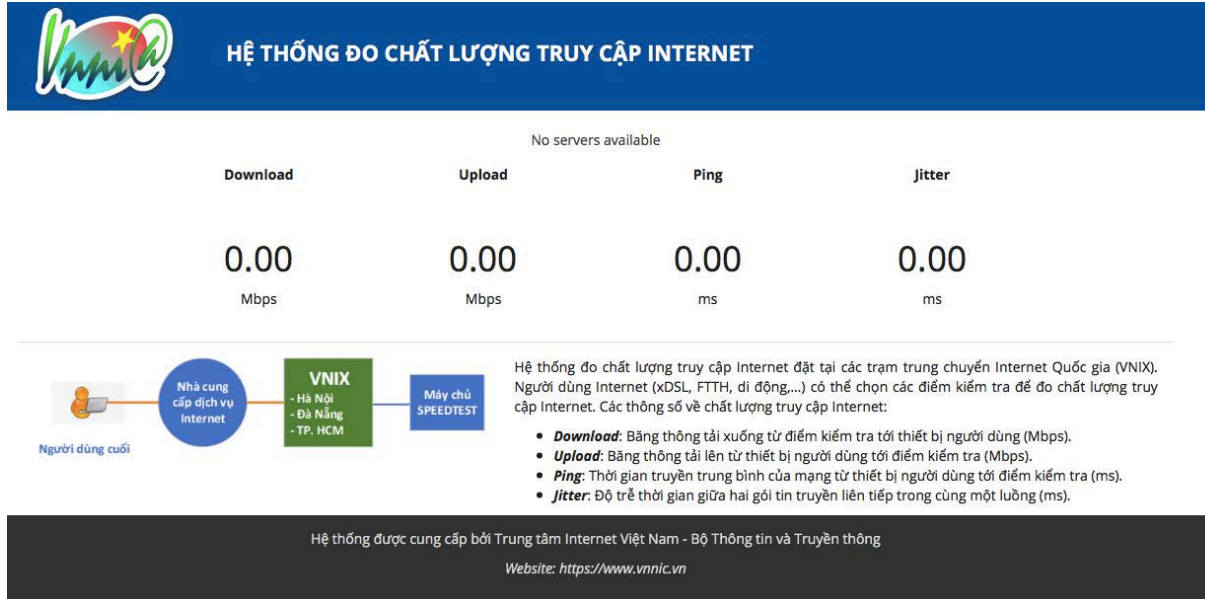
New Services launched in 2019

- DDos Mitigation
- Looking Glass
- Speedtest

New Services in 2020

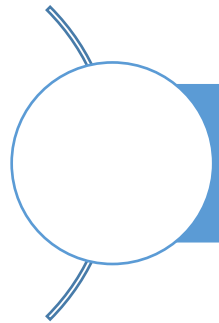
➤ NTP

➤ DNS Root



<https://speedtest.vnix.vn>

CONTENTS



Upcoming Plans/Activities



Upcoming Plans/Events

1. March 2020: Closing Event of Vietnam IPv6 Action Plan
2. April 2020: APNIC-VNNIC Technical Collaboration for NIR management system
3. April 2020: IPv6 for Smart City Project in ASEAN
4. IPv6 For Gov Program
5. DNS Forum
6. 20-21 August: VNIX-NOG 2020



Thank You

