

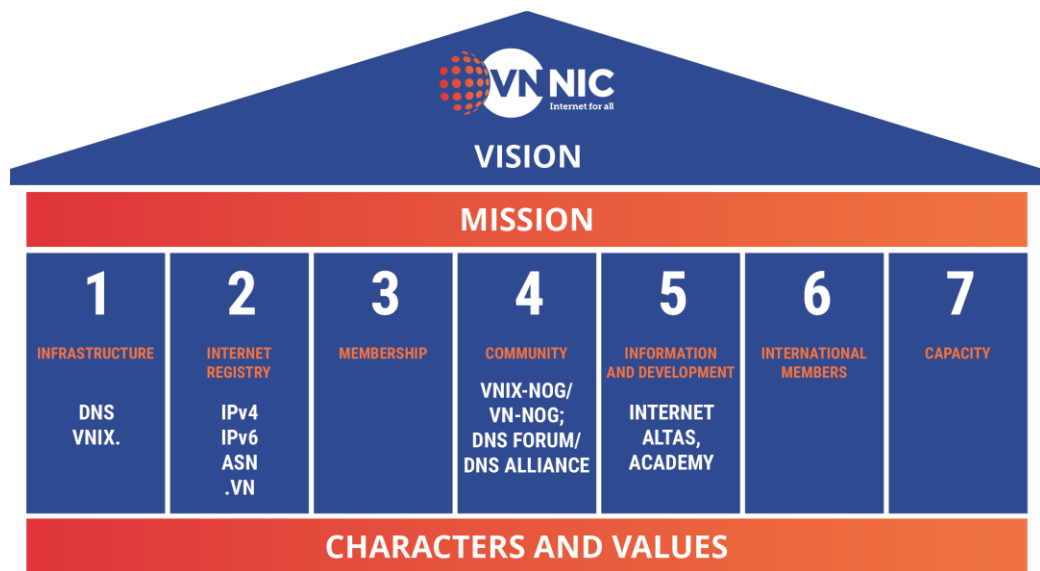


MINISTRY OF SCIENCE AND TECHNOLOGY
VIET NAM INTERNET NETWORK INFORMATION CENTER

VNNIC Update

NIR SIG | APNIC 61

VNNIC – VISION AND MISSION IN THE NEW ERA



NIC/ NATIONAL INTERNET REGISTRY



VISION “INTERNET FOR ALL”

- Internet is the inclusive, secure, sustainable and intelligent.
- Internet will be bigger, faster, safer and flatter

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 pursuit 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



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
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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

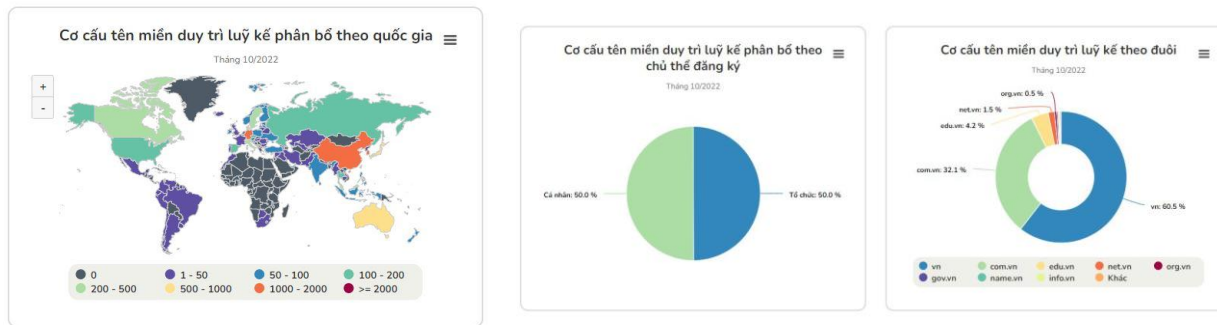


INTERNET CAPACITY BUILDING – INFORMATION AND MEASUREMENT



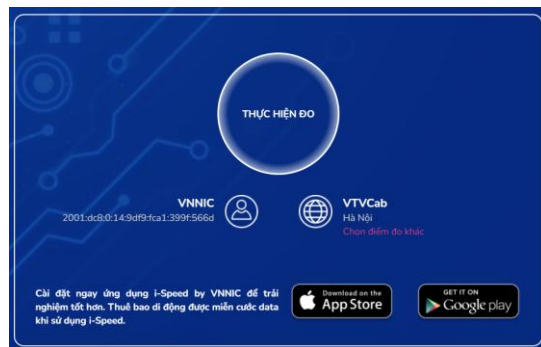
Data collection and analysis of critical Internet infrastructure and Internet resources in Viet Nam

<https://internetatlas.vnnic.vn>



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

<https://i-speed.vn>; <https://speedtest.vn>



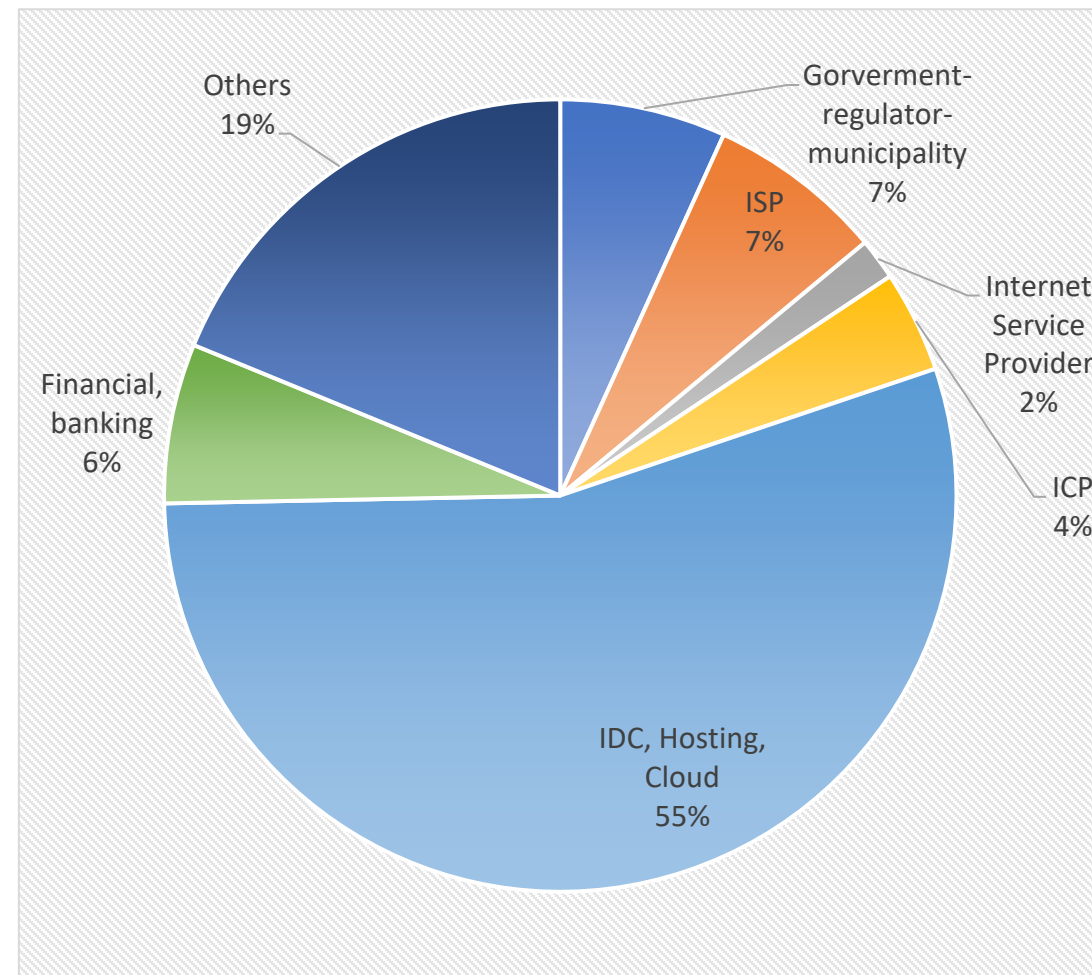
Report on Internet, Internet resources (White paper)

<https://vnnic.vn>

IPV4, IPV6, ASN DELEGATION

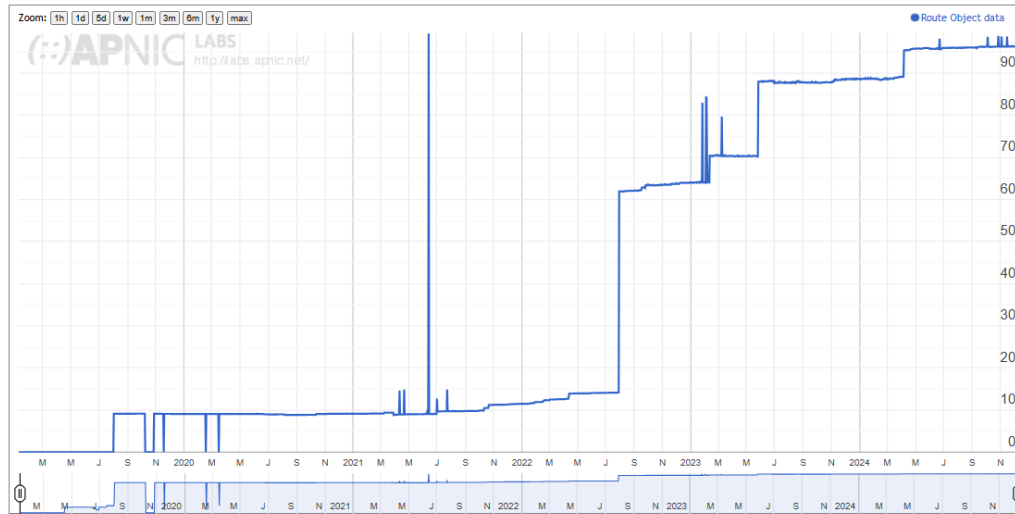
IP/ASN relegation in 2025:

- 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.

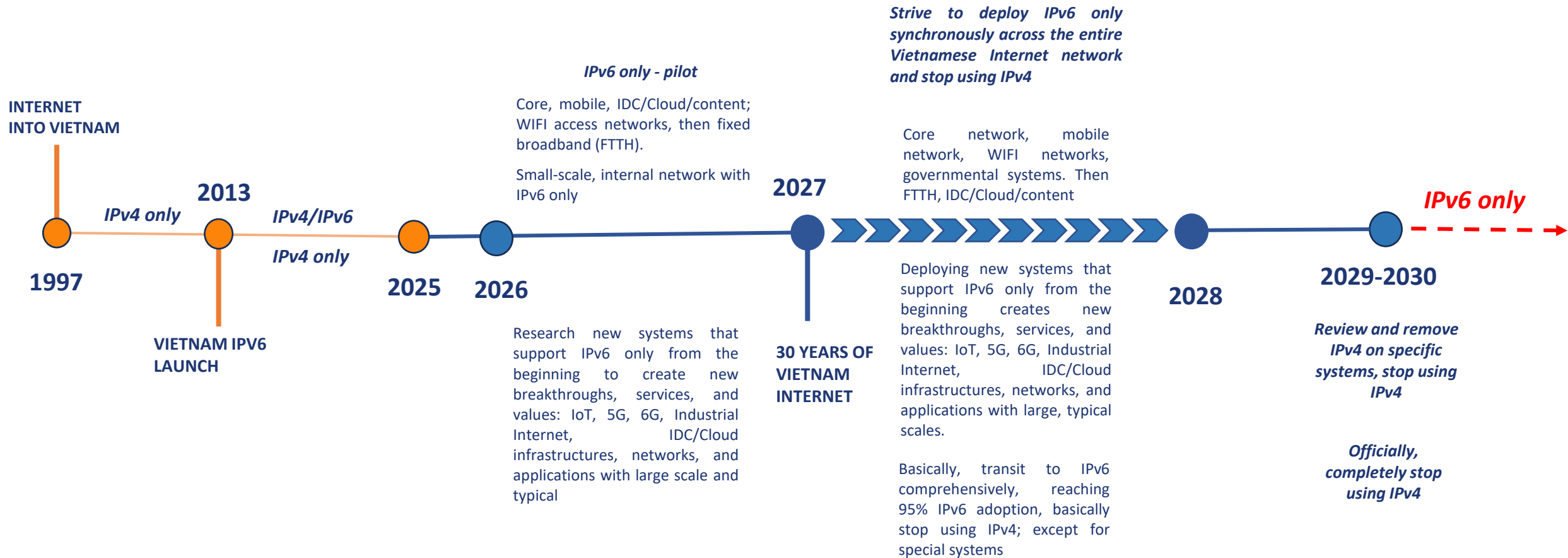
RESULTS:

- 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



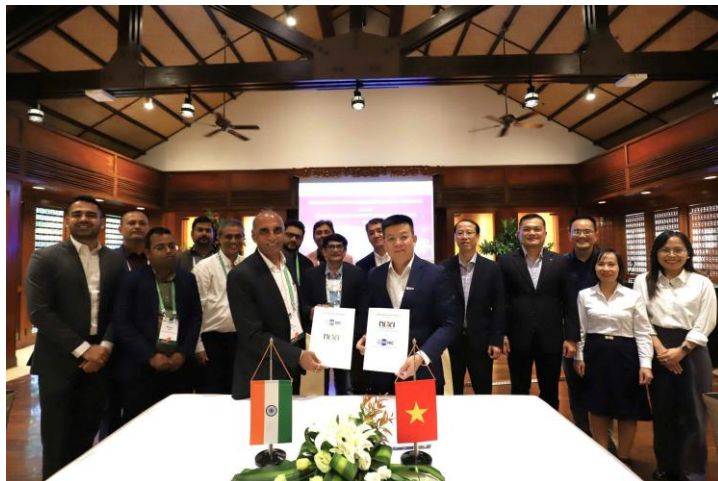
CNNIC



JPNIC



APNIC

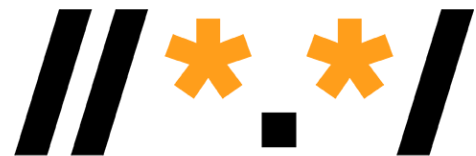


NIXI



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

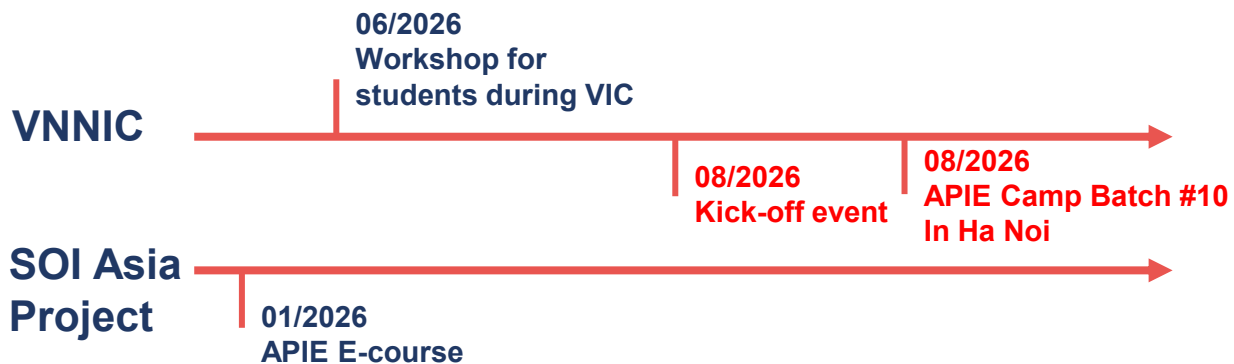
UPCOMING EVENTS

VNNIC

Internet School for Youth
VISY 2025



APIE



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



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VIET NAM INTERNET NETWORK INFORMATION CENTER**

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Thank you !