MINISTRY OF SCIENCE AND TECHNOLOGY
VIETNAM INTERNET NETWORK INFORMATION CENTER



VNIX UPDATE

What Vietnam's Internet traffic is telling us?

November 2026

Vietnam's Internet screenshot

Faster speeds, more 5G users, and more resilience

84 Tbps

▲ 121%

International cable design capacity · 6 submarine + 1 terrestrial

67%

▲ 2% #2 ASEAN · #7 Worldwide

IPv6 adoption

895 ASNs

▲ 27 members

Autonomous System Numbers in Vietnam

301.5 Mbps

▲ 20.4% #13 → #8 Worldwide

Fixed broadband speed

219.9 Mbps

▲ 45% #18 → #9 Worldwide

Mobile broadband speed

27.2M

▲ 94%

5G subscriptions

MILESTONES

- 2G switched off nationwide
- Biggest ranking jump worldwide
- First satellite broadband license - Starlink

Source: Vietnam's Ministry of Science and Technology

VNIX – Critical national infrastructure of Viet Nam

** Decision No 36/QD-TTg on Jan 11, 2024 by Prime Minister announcing the ICT Infrastructure Masterplan period 2021-2030, vision towards 2050*

** Decree No. 147/2024/ND-CP on November 09, 2024 by Prime Minister on the management, provision, and use of Internet services and online information*

**** Circular No. 48/2025/TT-BKHCN on December 25, 2025 of the Ministry of Science and Technology on the guidelines for the management and use of Internet resources:***
- Allowing the use of IP addresses and ASNs from abroad to connect to VNIX only.

Current Policy:

- Any valid ASNs in Viet Nam can connect to VNIX.
- VNIX members must comply with current regulations.
- ISPs must support all connections to VNIX.
- VNIX members must control their traffic in/out VNIX (75% - 85% - 95%).

VNNIC Internet for all

One year at VNIX

Oct 2025
RPKI/ROV
Deployed ROV across all VNIX infrastructure

Nov 2025
Route Visibility
Routing data monitored and analysed in depth

Dec 2025
New Policy Framework
Vietnam's IPv6-only roadmap 2026–2030 (3369/QĐ-BKHCN)

Jan 2026
IPv6-Only Peering
IPv6-only BGP and route servers in pilot

Mar 2026
40G/100G Ready
Members can now connect at 40/100 Gbps

Apr 2026
New Member
FPT connected at Danang; more local traffic

Jun 2026
K-root in HCMC
Reducing latency for root DNS service in the south

Jul – Aug 2026
IP/ASN Webinar
Using Internet resources well, optimising routing

Aug 2026
Route Server Automation
Peer and BGP setup automation in pilot

Oct 2026
VNIX-NOG 2026
Peering 3.0: Connecting and Operating Secure, Efficient and Intelligent Internet Infrastructure

VNNIC Internet for all

VNIX's statistics

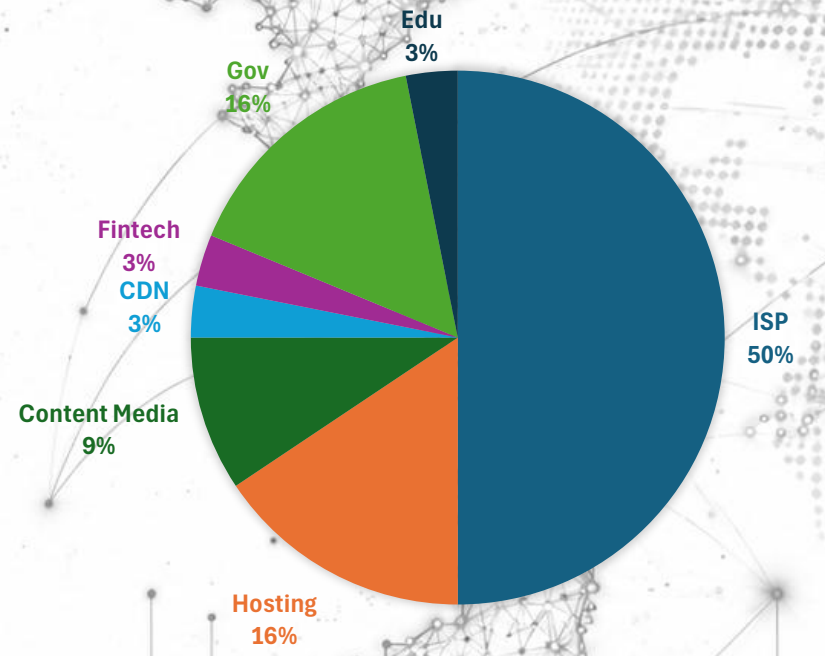
Hanoi
VNNIC HQ (VNTA, Yen Hoa)
VNNIC DC (Hoa Lac)
CMC DC (Duy Tan)

Danang
VNNIC DC (An Hai)
DDS (Danang Dept. of Science & Technology)

Ho Chi Minh City
VNNIC DC (Tan Thuan)
CMC DC (Tan Thuan)



Members: ISP, CDN, IDC, CLOUD, EDU, GOV, FINTECH



Total bandwidth: 483 Gbps
Peak traffic: 64Gbps

100% VNIX members have deployed IPv6

Actual IPv6 traffic at VNIX

54.56%

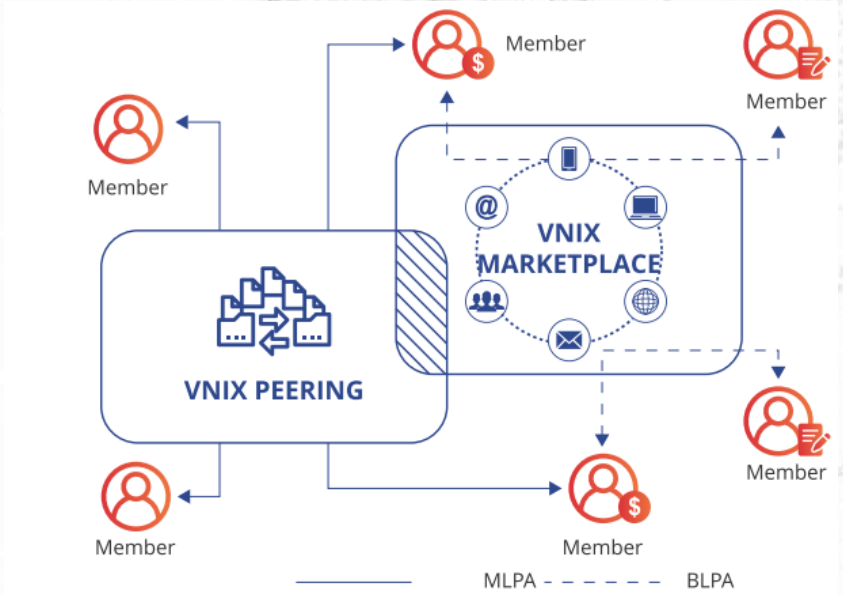


What VNIX offers

7 PoPs in 3 cities, and a handful of services for members

• AVAILABLE NOW

1	**Public peering**	Over 90% of users
2	**40/100G ports**	
3	**RPKI/ROV filtering**	Invalid routes dropped
4	**Route visibility**	Routing monitored in depth
5	**DNS root at VNIX**	Fast DNS querry
6	**Public DNS64**	IPv6-only clients reach IPv4
7	**DDoS protection**	In service, being optimised
8	**VNIX Marketplace**	



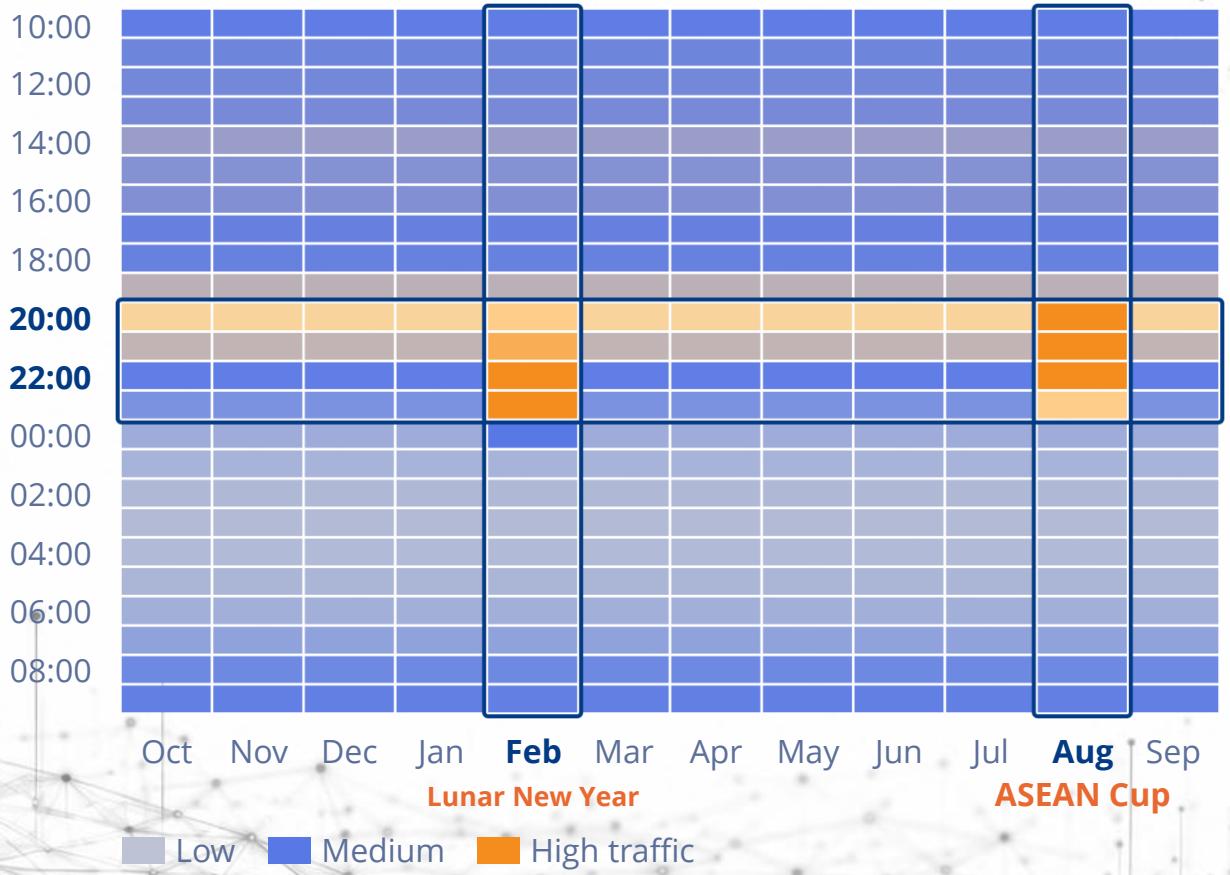
◐ COMING NEXT

8	**IPv6-only peering**	No IPv4 on the peering LAN	Pilot
9	**Portal & IX-API**	Self-service for members	Next
10	**Observability**	Routing and traffic insight	Next

VNIX offers: ✓ **Lower latency** ✓ **Lower transit cost** ✓ **Resilience when cables fail** ✓ **Safer routing** ✓ **Ready for IPv6-only**

When does Vietnam's Internet traffic peak?

How traffic is expected to peak: **evenings, Lunar new year and major events**



Vietnameses are online

85.6M	internet users · 84.2% of the population
+0.6%	user growth in a year, down from +7.1%
96.9%	go online via mobile phones
32h 36m	a week on connected media

What users spend time on, hours per week (16+)

12h 40m	Online video
8h 21m	Video games
7h 53m	Social media

Source: VNNIC, DataReportal

What happened when things went wrong?

Late August 2026: **4 of 6 submarine cables** down at once

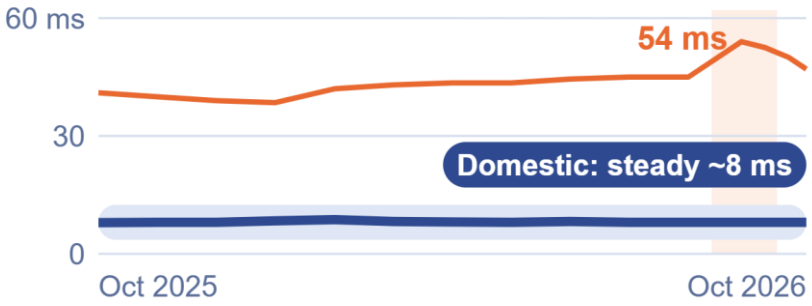
BEFORE Normal day › **INCIDENT** 4 of 6 cables down › **REROUTING** Traffic rerouted › **VNIX** Traffic stays local › **RECOVERY** Back to ~47 ms

① How traffic shifted

+2.6 Tbps added by major ISPs

IA → Hong Kong	**+800 Gbps**
APG	**+300 Gbps**
International land cable	**+1.5 Tbps**

② How much latency changed



International: ~45 → 54 ms (+20%)

Domestic: ~8 ms, unchanged through the crisis

③ What domestic peering did

No submarine cable in the path
Local networks talk directly

Content and DNS served locally
Caches in local networks; DNS root at VNIX

Saves scarce capacity abroad
Remaining cables carry what must go abroad

THE LESSON 1 Peer at VNIX › 2 Keep traffic in Vietnam › 3 Host key services in Vietnam

Sources: VNNIC; Cloudflare; VnExpress

VNiXNOG 2026

VietNam National Internet eXchange
Network Operators Group

WORKSHOP & CONFERENCE

PEERING 3.0: CONNECTING AND OPERATING SECURE, EFFICIENT AND INTELLIGENT INTERNET INFRASTRUCTURE

Can Tho, October 15-16, 2026









VNIX 2030: from an IX to an Internet Infrastructure Platform

01

Exchange

Peering

02

Secure Exchange

Peering · IPv6 · RPKI Filtering

03

Internet Infrastructure Platform

IPv6-only peering · DNS/Root · Measurement · Automation · Security

The next growth of VNIX is not more traffic.

It is more networks talking directly to each other.

THANK YOU

Contact us: vnix-peering@vnnic.vn

