

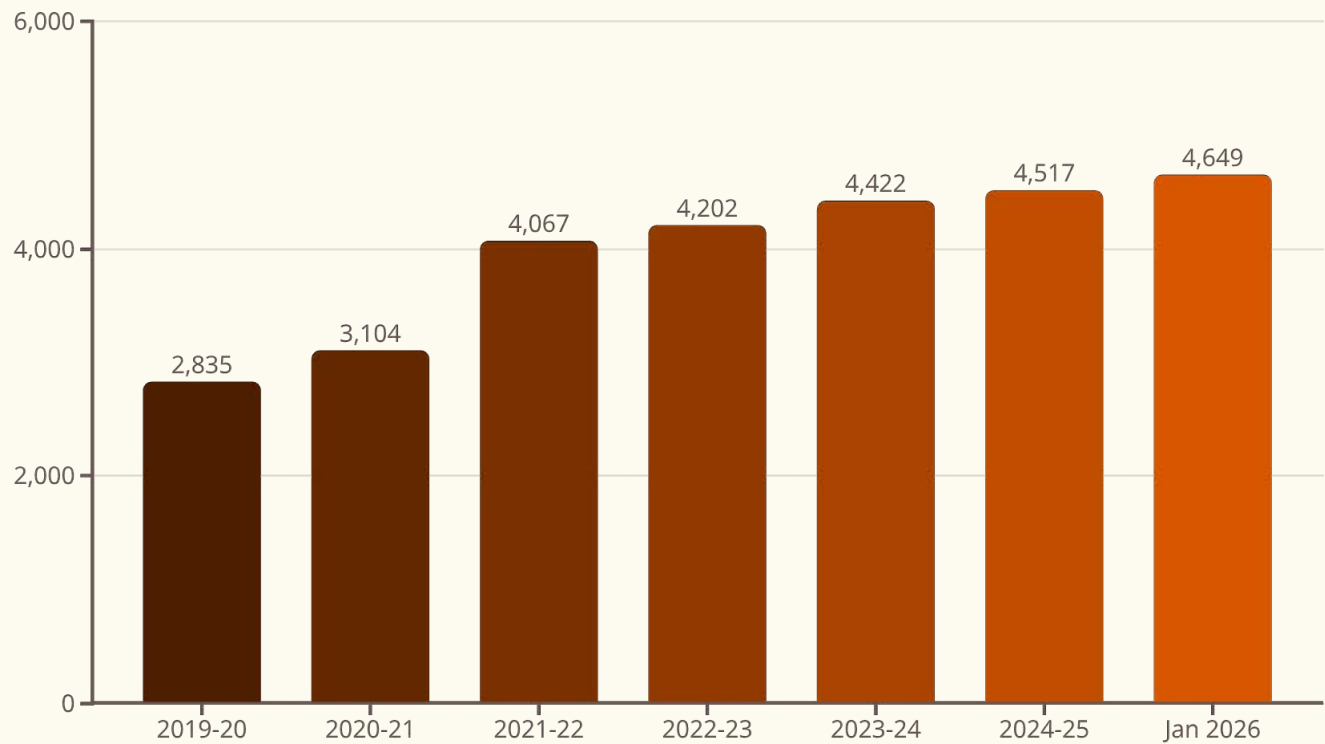


National Internet Registry, IRINN

Indian Registry for Internet Names and Numbers

APNIC 61 - Showcasing India's leadership in internet infrastructure and IPv6 deployment

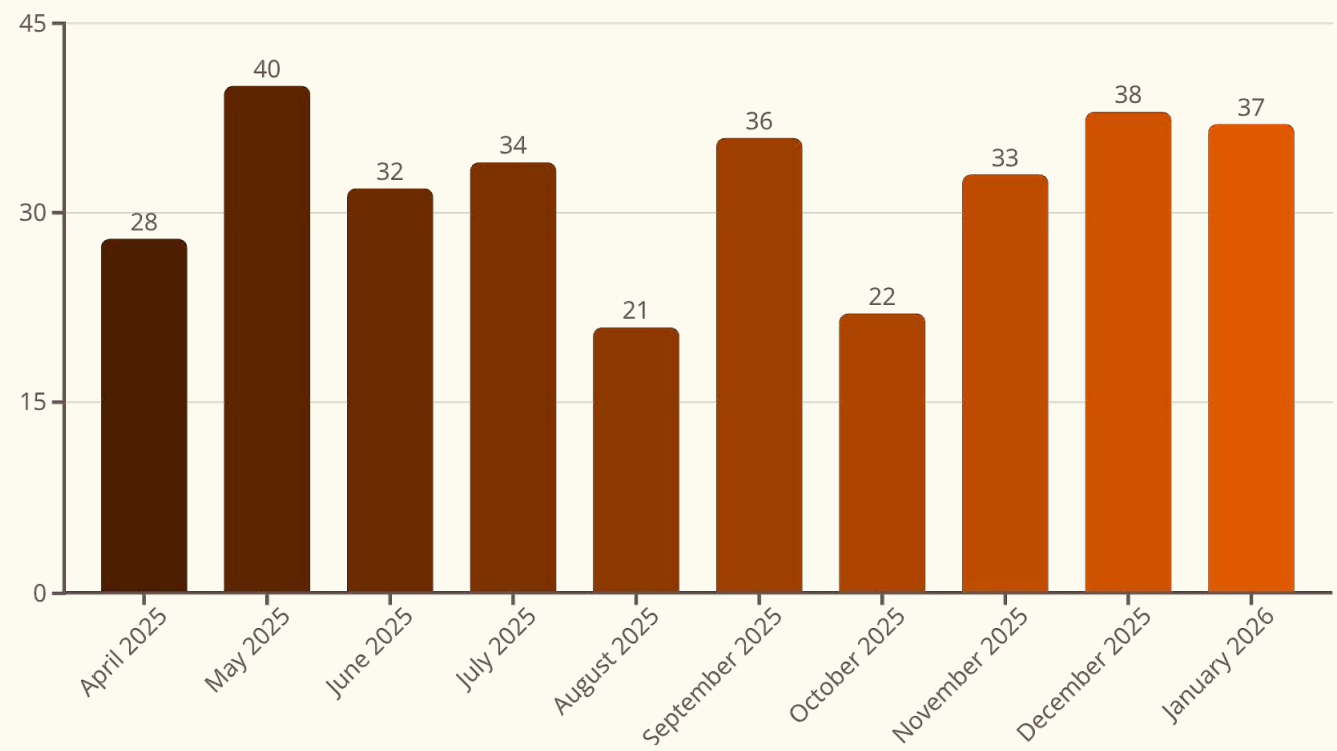
Affiliate Growth Trajectory



IRINN's affiliate network has demonstrated consistent growth, expanding from 2,835 affiliates in 2019-20 to 4,649 as of January 31, 2026. This represents a 64% increase over six years, reflecting growing trust and participation in India's internet infrastructure ecosystem.

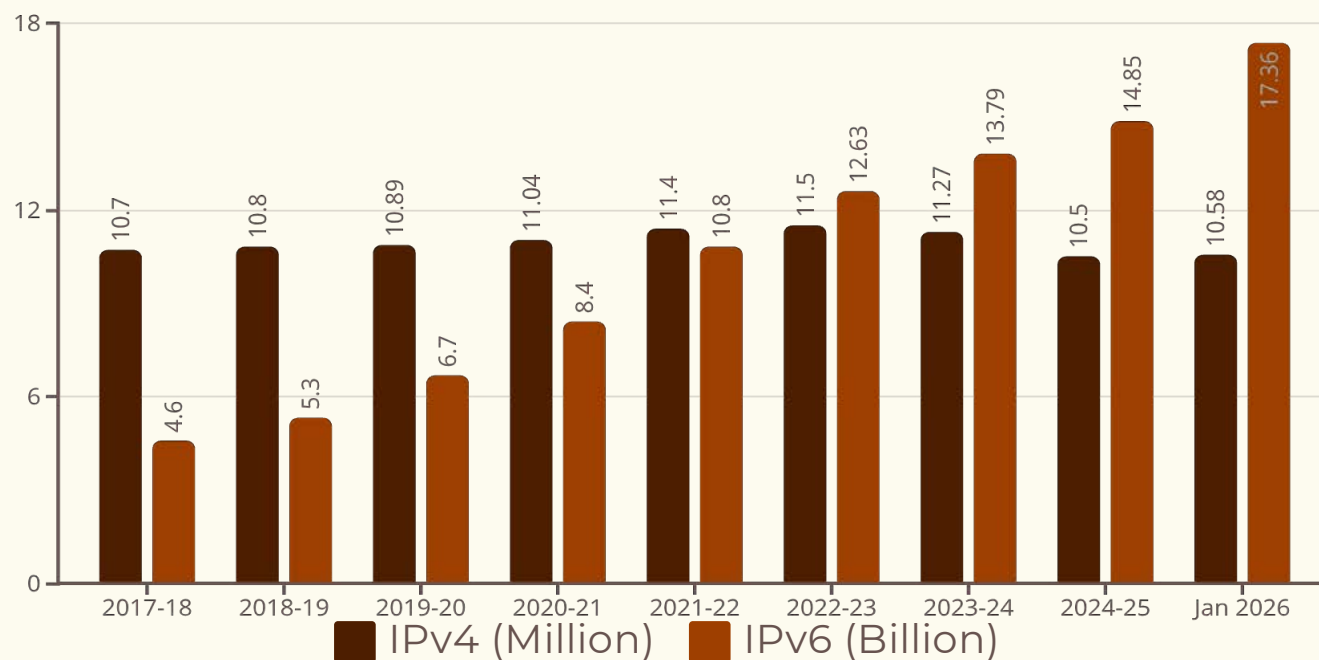
The steady upward trend indicates strong engagement from ISPs, enterprises, and organizations joining the registry to secure their internet resources.

Monthly Affiliate Additions - FY 2025-26



The current financial year (2025-26) shows consistent monthly affiliate additions, with an average of 32 new affiliates joining each month. May 2025 recorded the highest additions with 40 new affiliates, while August saw the lowest at 21. The total of 321 new affiliates added through January 2026 demonstrates sustained growth momentum.

IPv4 and IPv6 Allocation Trends



The data reveals a critical transition in India's internet infrastructure. While IPv4 allocations have plateaued around 10-11 million addresses due to global exhaustion, IPv6 delegations have surged dramatically from 4.6 billion in 2017-18 to 17.36 billion as of January 2026.

This 277% growth in IPv6 allocations demonstrates India's proactive approach to future-proofing its internet infrastructure and ensuring unlimited address space for emerging technologies.

Autonomous System Number Growth

ASN delegations have evolved significantly, with all 2025 allocations now using the direct ASN allocation method. The shift from 2-byte to 4-byte ASNs reflects the growing complexity and scale of India's internet routing infrastructure.

510

Peak Year

Highest ASN
delegations in 2021

256

2024 Total

ASNs delegated last
year

215

2025 Pace

Current year
allocations




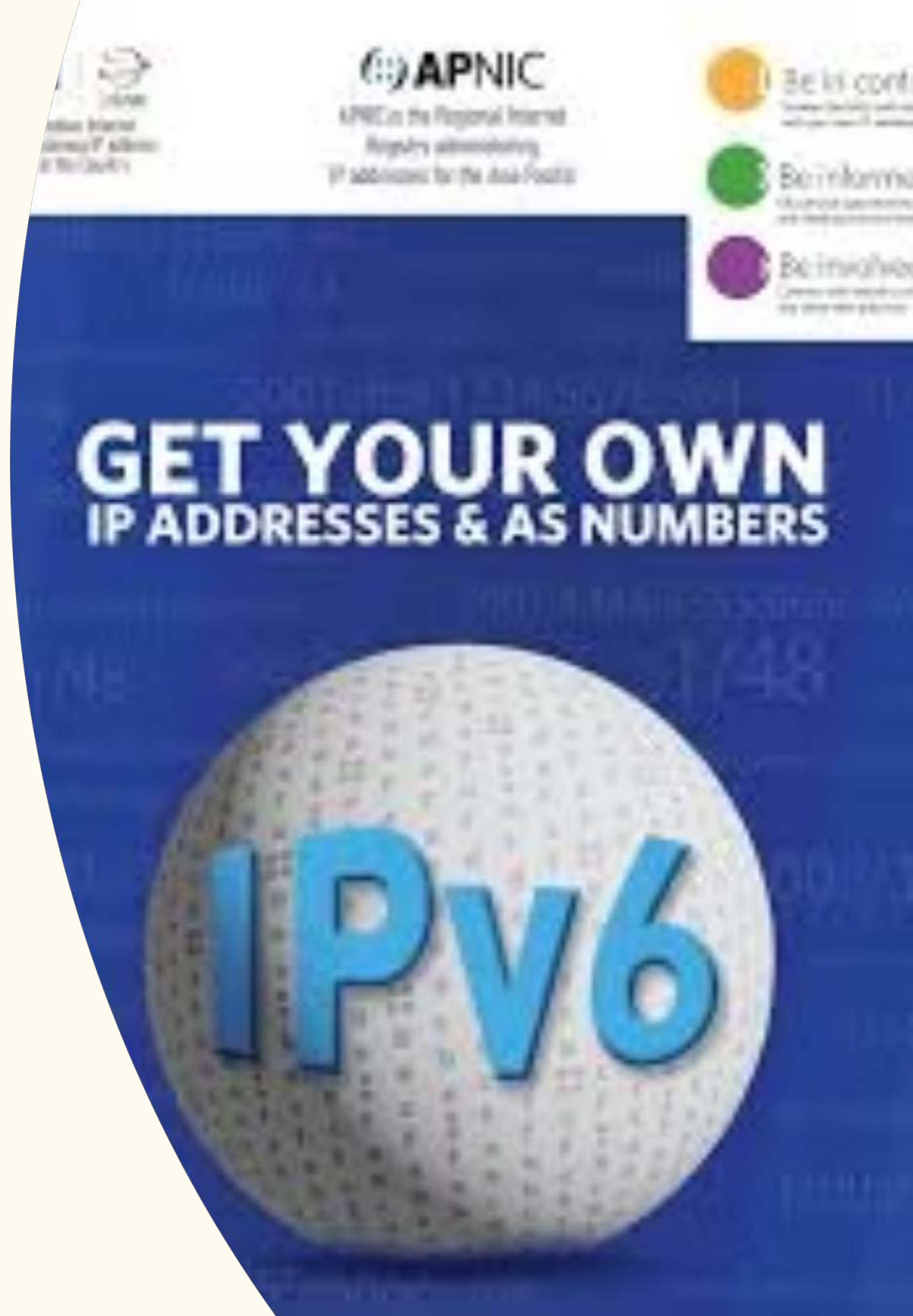


IPv6 Deployment & Development in India

India has emerged as a global leader in IPv6 adoption, driven by strong government policy, active ISP participation, and integration with future digital infrastructure. Continued focus is placed on bridging gaps in enterprise and government adoption.

Visit NIXI Website

 training.nixi.in
NIXI Training Port



Key Highlights of IPv6 Progress



Leading Global Adoption

IPv6 adoption in India is approximately **77.62%** according to APNIC labs, making it a global leader in IPv6 deployment.



DNS Service & Delegation

NIXI runs the Indian Public DNS Service at 2409::1, serving more than **2.6 billion** queries per day.



Massive IPv6 Rollout

IRINN has delegated a total of **17.36 billion** IPv6 addresses to Indian affiliates, ensuring future scalability.



Driving IPv6 Adoption Nationwide

Affiliate Engagement

IRINN actively encourages affiliates to deploy IPv6 through regular webinars and targeted email campaigns, building technical capacity across the network.

Educational Outreach

Major initiatives with educational institutes across India aim to implement IPv6 adoption schemes, creating a foundation for next-generation internet infrastructure in academic settings.

An illustration on the left side of the slide depicts a training session. A presenter in a red shirt stands on the right, pointing with a red stick at a large screen. The screen displays various data visualizations: a line graph with a rising trend, a horizontal bar chart, and a donut chart. In the foreground, an audience of stylized human figures is seated in rows of blue chairs, facing the screen. The entire illustration is set against a blue background with a white border at the top.

NIXI's Training & Webinar Initiatives

NIXI regularly conducts webinars and online training sessions to enhance IPv6 knowledge and deployment capabilities across India. These programs cover critical topics from security to configuration, ensuring comprehensive skill development.

01

IPv6 Fundamentals & Security

Core training on IPv6 basics, security threats, mitigation strategies, and subnetting configurations

02

Routing & Operations

Advanced sessions on BGP overview, IPv6-enabled routing protocols, and operational best practices

03

Transition & Deployment

Practical guidance on transition mechanisms, enterprise deployment, and DNS security implementation



Internet Governance Internship Program

Impact Report - One Year Milestone

NIXI recently celebrated the completion of one year of the Internet Governance Internship & Capacity Building Scheme. Four cohorts of interns have been successfully trained, shaping the next generation of internet influencers.

140 Interns

Trained across four cohorts

18 Institutions

Partner organizations

12 States

Geographic reach

12 Languages

Represented diversity





Strategic Impact & Key Contributions

Global Engagement

Interns participated in prestigious programs including NextGen ICANN, APAC IPv6, ISEA Cyber Program, Knowledge 2 Action Academy, and APAN60, building international networks and expertise.



Tangible Outcomes

54+ Reports

Submitted notes and documentation

32 Research Papers

Initiated across various topics

7+ Events

National and global participation

Thank You