



The IPv6 Forum The New Internet

The New Internet The TWO-WAY Internet

**Moving to Native IPv6 Only
Empowering 5G/6G, Cloud
Computing, AI and Blockchain**

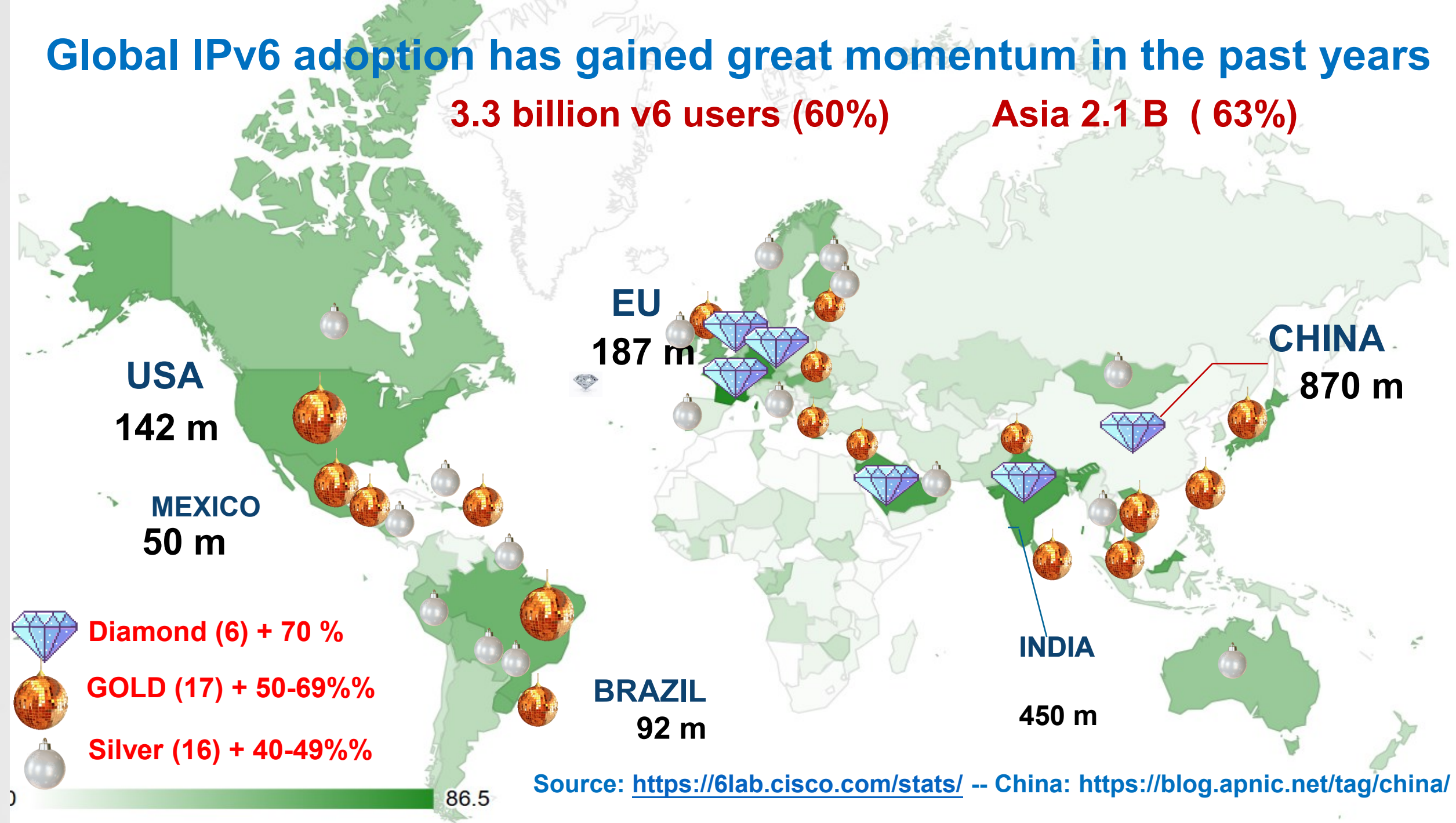


Lati LADID, Founder & President, IPv6 Forum

Global IPv6 adoption has gained great momentum in the past years

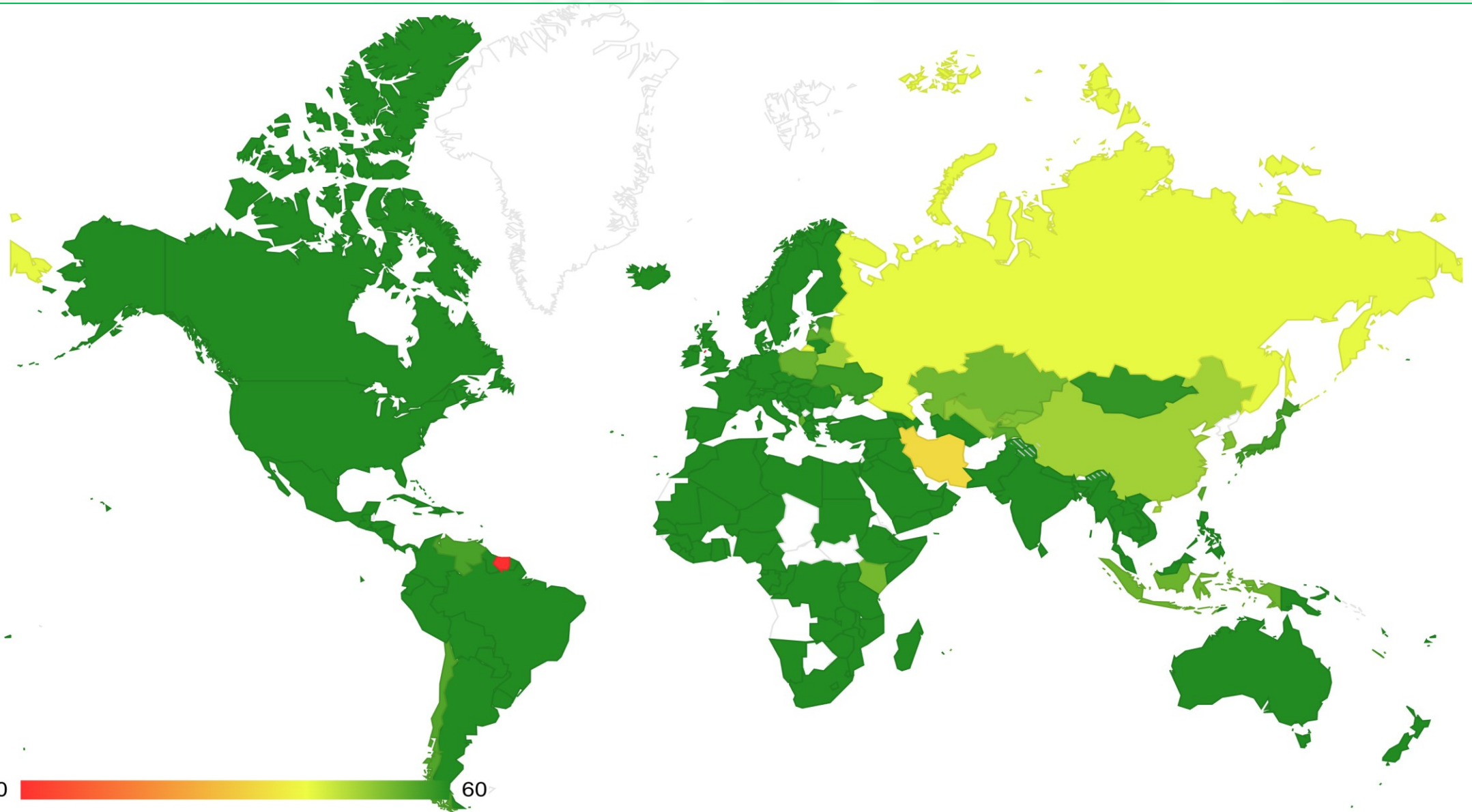
3.3 billion v6 users (60%)

Asia 2.1 B (63%)



Global IPv6 adoption on the WEB 80% of the top 500 web sites

CLOUDFLARE IMPACT



IPv6 Forum Call for Final Action: Moving to Native IPv6 Only

Supported by 100 experts on LinkedIn:

- Ron Bewtra, co-chair, U.S. Federal Chief Information Officers (CIO)
- Mark Bayliss, President Visual link, Member of FCC technical advisory council
- Dr. Bilel Jamoussi, Deputy-Director @ ITU
- Nicole Wajer, Technical Solutions Architect at Cisco
- Scott Hogg, IPv6 networking and security consultant and teacher
- Harold RitterView Harold Ritter, Sr Technical Leader
- Jeremy Duncan, Managing Partner at Tachyon Dynamics



**2025 Call for Final Action:
Move to Native IPv6-Only**

November 2025

We are crossing in the big countries 51% IPv6 penetration in the big enterprise and some government networks. Therefore, it is the right time for the IPv6 Forum to call for a worldwide full transition to IPv6-Only for any enterprise and government networks for a number of reasons especially that the dual stack deployment is just a temporary solution with a lot of expenses, cost and massive time spent maintaining IPv4/NAT while v6 Only is the vision for the new and real production Internet to cater for new technologies such as AI, 6G, Blockchain, P2P IoT and all enterprise verticals (Supply chains, Industrial Internet) to name a few .

The IPv6-Only transition is supported by NAT64 and DNS64: NAT64 (Network Address and Protocol Translation from IPv6 Clients to IPv4 Servers) and DNS64 (DNS extensions for NAT64) are key IPv6 transition mechanisms that enable IPv6-only clients to access IPv4-only resources. They are widely deployed in mobile networks for IPv6-only connectivity, often combined with 464XLAT for broader application compatibility, voir Annex at the end.



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IPv6 Forum Supports Global IPv6 Development. Arcep is now the Global Model

Egypt, Tunisia, Nigeria and more countries learn from the Arcep's Experience

Egypt NTRA IPv6 Summit



Nigeria: IPv6-Driven Digital Public Infrastructure



Arab Region: AICTO IPv6 Summit and White Paper



Kazakhstan IPv6 Summit



Uzbekistan: Established National IPv6 Council



Indonesia: IPv6 Summit with White Paper Release



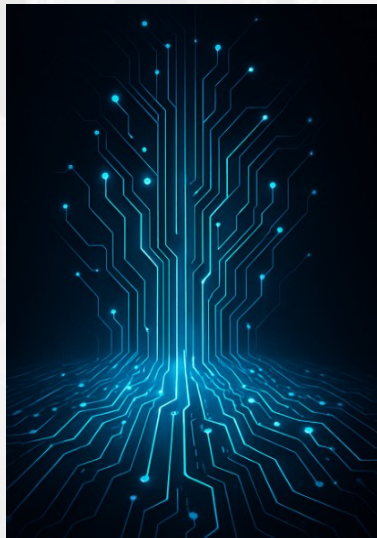
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IPv6 based Future Network for the AI Infrastructure

Scalability

Unlimited Addresses
for AI-Driven Growth



Security

Protects sensitive
AI data



Efficiency

Streamlined Networks
for AI Performance



Economic Benefits and Cost Efficiency

- Reduces costs by eliminating NAT and IPv4 address leasing
- Frees resources for AI development and deployment

Major Adopters & Motivation of v6-Only & NAT64/DNS64



- Operation Efficiency
- Cost reduction
- Scalability



- Compliance
- Future-proofing
- Interoperability



- Network Efficiency
- Scalability
- DC Modernization
- Cost Reduction



- Policy Compliance
- Operational Efficiency
- Fostering Innovation



- Efficiency
- Cost reduction
- Scalability



Chinese Government
National Strategic
Imperative



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IPv6-only and SRv6 are the Base of Network Intelligence in the AI Era

IPv6 & SRv6
+ navigation



Reachability and network programmability

Network Telemetry
+ dashboard camera



Real-time monitoring and whole-process logs

Network slicing
+ dedicated lane



Exclusive resources in any case

AI
+ Self-driving



Application-awareness and Autonomous driving networks

**WE WANT YOU
TO USE
IPv6-ONLY
for a REAL
INTERNET!**



Prof. Latif Ladid
Founder & President,
IPv6 Forum



Dr. Vint Cerf
Honorary Chair, IPv6 Forum