

Global IPv6 Penetration Survey

Welcome to the ARIN/CAIDA IPv6 Survey

The American Registry for Internet Numbers (ARIN), in cooperation with the Cooperative Association for Internet Data Analysis (CAIDA), is conducting a new survey to gather data regarding current and future use of IPv6.

We have expanded the scope of the survey to seek IPv6 penetration data from around the world. We cordially invite and encourage all organizations in the AfriNIC, APNIC, ARIN, LACNIC, and RIPE NCC regions to participate in the survey so we can establish a comprehensive view of present IPv6 penetration and future plans for IPv6 deployment.

You must complete the survey by 17:00 EDT on 1 October. The results of the survey will be presented and discussed at the ARIN XXII Public Policy and Members Meeting to be held in Los Angeles, CA 15-17 October 2008. Additionally, the summary results will be shared with all the RIRs for further distribution within their respective regions. The survey data will support ongoing research.

The survey is composed of 22 questions that can be answered in a few minutes. For those without IPv6 allocations or assignments, or who have not yet deployed IPv6, the questions will be fewer in number. This is a secure survey and all data will be presented in summary form only, and kept confidential between ARIN and CAIDA.

We appreciate your time and interest in completing this survey. Be sure to indicate if you are willing to share additional data with CAIDA and provide your name and contact information if you wish to be eligible to win a prize.

Any questions you have concerning the survey may be addressed to info@arin.net.

Regards,

Member Services
American Registry for Internet Numbers (ARIN)

IPv6 Survey Questions

* 1. Check the category which best describes your organization.

Education

Government - local

Government - state

Government - federal

Association

Commercial Business

Research and Development

Other, please specify

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* 2. What is your organization's financial status?

Profit

Nonprofit/Not for Profit

* 3. Which categories best describe your organization's network operations:
(check all that apply)

Transit provider

Content provider

Large number of end users (content consumers)

Approximately equal mix of content producers and consumers

Other (please specify)

* 4. What is the size of your organization?

Small (100 employees or less)

Medium (101 up to 1000 employees)

Large (1001 up to 10,000 employees)

Very Large (more than 10,000 employees)

5. Which region(s) does your organization operate in?
(check all that apply)

North America

South America

Caribbean

Europe

Middle East

Africa

Asia

Oceania

6. If your organization only operates in a single country, what
country is it?

Single country

Single country, specify

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7. If your organization has an allocation/assignment, which of the following is the source(s) of that allocation/assignment:

(check all that apply)

AfriINIC

ARIN

APNIC

LACNIC

RIPE NCC

IANA

LIR/ISP

Other (please specify)

8. Check which of the following allocations/assignments do you have:

IPv4

IPv6

9. If you have an IPv6 allocation/assignment, what motivated your organization to get it?

Customer demand

Couldn't get enough IPv4 addresses

Want to be "ahead of the game"

To make sure IPv6 is supported in our products

Government mandate

Other (please specify)

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10. Comment on what has been (or will be) the biggest hurdle(s) to your organization deploying IPv6?

Please use the comment box at the bottom to provide details describing your selection(s).

- Dual support for IPv4 and IPv6 at the application level
- Cost of new hardware
- Vendor support - routers
- Vendor support - firewalls
- Vendor support - OS
- Vendor support - host applications
- Vendor support - server applications
- Problems with legacy network system
- Problems with legacy applications
- Lack of support from transit providers
- Lack of support from end users
- Multi-home problems
- Lack of IPv6 expertise
- Other

Please provide details concerning your selection(s) above.

11. If your organization has tried IPv6 in production, but then turned it off, why?

- Technical problems (please expand in box below)
- Lack of user demand
- Budget issues
- Other (please specify)

12. What is the nature of your IPv6 services?

- IPv6 routed
- DNS via IPv6
- Webserver via IPv6
- E-mail via IPv6

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13. Describe the nature of your organization's IPv6 external connectivity.

- Native IPv6
- Tunneler IPv6
- NAT
- Other (please specify)

14. Which best describes your organization's plan to deal with IPv4 exhaustion?

- Wait and see
- Satisfy future address needs with IPv4 market
- Satisfy future needs with NAT
- Transition to IPv6
- Other (please specify)

15. How much address space do you expect to receive next year?

	IPv4	IPv6
new next year	<input type="text"/>	<input type="text"/>

16. What do you see as the primary purpose for this address space?

- Global addressing/routing for routers/end systems
- IPv6 gateway
- Store of value (commodity)
- Other (please specify)

17. How long can you function as an entity in the absence of additional IPv4 availability?

- 6 months
- One year
- Two years
- Four years
- Longer than four years

Other (please specify)

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18. If you or your organization is willing to participate in measurement studies regarding address utilization, filtering, or policies, in what capacity might you volunteer resources? (check all that apply)

- Running software
- Dedicating rack space, power, colo, transit to a project
- Dedicating a hosted PC to a project (above plus hardware)
- Provide validation of researcher inferences
- Maybe, but I need more information so please contact me

Other (please specify)

19. What is the name of your organization? (optional)

20. If your organization has a business relationship with one of the RIRs what is your organization's ID (ARIN's CSED, RIPE's ORG-NCC34-RIPE, etc)? (optional)

21. What Autonomous System Number(s) does your organization have? (optional)

22. If you answered question 18 please provide your name and e-mail address below. And/Or, if you wish to be entered into a raffle please provide the same contact information and enter "yes" in the last box below.

Name	<input type="text"/>
E-mail address	<input type="text"/>
RIR Region (AfriNIC, APNIC, ARIN, LACNIC, or RIPE NCC)	<input type="text"/>
Indicate your desire to participate in a raffle (yes/no)	<input type="text"/>

Thank you for completing the survey.

CAIDA will present the survey results at the upcoming [ARIN XXI meeting](#) in Los Angeles, California. The results will also be published on the ARIN website. The data will be used in further studies. If you have additional information that you would like to share with CAIDA/ARIN about your IPv6 experiences that was not captured in this survey, please feel free to send such information to info@arin.net.