

Frequently Asked Questions ABOUT ARIN & WEB HOSTING

1. Do I automatically qualify for my own IPv6 allocation from ARIN if I am a hosting provider? What size do I get?

Generally, yes. ARIN's community-defined IPv6 policies are currently quite relaxed. Hosting providers who provide proper justification should find it fairly easy to qualify for a /32 (4.2 billion subnets) of IPv6 address space from ARIN.

2. What are some common practices or considerations when making IPv6 assignment size decisions for co-location, dedicated server, and VPS customers?

While ARIN does not have specific rules governing when a hosting provider may or may not assign an IP address to a customer for a specific technical purpose, guidance in the ARIN Number Resource Policy Manual (NRPM) does outline common practice for making assignment decisions for sites. Here is a summary of the common prefix sizes recommended. You should read section 6.5.4 of the NRPM for more detailed information.

- /64 when it is known that one and only one subnet is needed
- /56 for small sites, those expected to need only a few subnets over the next 5 years
- /48 for larger sites

Just like in IPv4, the size you delegate to a site is based on justified need.

<https://www.arin.net/policy/nrpm.html#six54>

3. Will decisions I make about sub-delegations in my block impact my ability to get additional IPv6 address space from ARIN in the future?

Yes. Making assignments to your customers following ARIN's published policies will ensure your ability to get additional IPv6 address space in the future. You can find policy and criteria in the ARIN Number Resource Policy Manual (NRPM).

<https://www.arin.net/policy/nrpm.html#six54>

4. If I get an IPv6 address block from ARIN, what are my transit options?

Begin researching your options now. Contact your current transit providers and ask about getting a native IPv6 link. There may be tunneling options available. You can be up and running with IPv6 using a tunnel over your existing IPv4 link with little time and research.

5. If I get an IPv6 address block from ARIN, do I have to renumber out of my IPv4 block?

No. Your IPv4 and IPv6 registrations are unrelated.

6. If I don't have an IPv4 address block from ARIN -- if I'm only using space from my providers -- can I qualify for IPv6 from ARIN?

Yes. The criteria for obtaining a /32 IPv6 prefix from ARIN is not dependent on your current IPv4 registrations.

7. How does ARIN set these policies? Can I help make sure policies are beneficial to my company and the hosting community?

The community in the ARIN region – including hosting providers, ISPs, governments, and any other interested individuals or entities – determine the policies ARIN uses to distribute Internet number resources. By participating in ARIN and the ongoing policy discussions (either online, in person, or remotely), you can help make sure ARIN will adopt policies that reflect the broadest community involvement.

ARIN facilitates a Policy Development Process (PDP) that is open, transparent, and bottom-up in order to establish policies that reflect the needs of stakeholders in its region. The resulting policies are documented community decisions that directly determine the rules by which ARIN manages and administers Internet number resources. The success of the PDP depends on the participation of the entire community, which is why we want to hear from you. To learn more about the ARIN PDP, visit:

<https://www.arin.net/knowledge/pdp/>