



# FORO PÚBLICO DE POLÍTICAS DE LACNIC

Asignaciones a Usuarios Finales con Necesidades  
de Interconexión



# LACNIC POLICY

<http://lacnic.net/en/politicas/manual3.html>

## 2.3.3.4.3. Applicant Status

In addition, the applicant's multihomed or non-multihomed status also affects the evaluation of the application.

If the applicant is a **multihomed end user**:

The size of the minimum IPv4 address allocation to a multihomed end user is a /24. In order to qualify for a block the applicant must also satisfy the following requirements:

1. Have received an assignment equivalent to a /25 from its Internet Service Providers.
2. Agree to renumber out of all the blocks allocated by providers within a period of 3 months and return the space to its original provider.

The maximum prefix size that may be assigned shall be a **/24** and the minimum a **/21**. Initial assignments of a block larger than a /21 must follow the additional requirements established for non-multihomed end users described below.

Those users that are planning to become a multihomed user within a period of one month may also apply. In this case, copies of the contracts or documents that validate this status will be required.



# LACNIC POLICY

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If the applicant is a **non-multihomed end user:**

The size of the minimum IPv4 address assignment to a non-multihomed end user is a /20 block. Should the need for IPv4 address space be smaller than a /20, in order to obtain the required addresses end users should contact their corresponding Internet Service Providers.

In order to assign a /20 to an end user, in addition to the previous requirements, the following shall be satisfied:

1. Have received a minimum assignment of 8 /24 prefixes from its Internet Service Provider.
2. Agree to renumber out of the previously assigned space within a period of 12 months and return it to its original provider. This requirement is essential for obtaining the requested /20 prefix. The assigned /20 prefix must be used to renumber out of the addressing previously assigned by its provider.

Additional assignments shall follow the policies included in Section 2.3.4 applicable to end users.



## PROBLEMÁTICA

- La política actual OBLIGA a los **Usuarios Finales** a contratar por lo menos 2 ISP's para que LACNIC le asigne un rango de direcciones públicas.
- La política actual NO PERMITE que un **Usuario Final** con 1 ISP y con menos de 8 /24 pueda interconectarse directamente a un NAP (IXP).



## PROPUESTA

### 2.3.3.4. Assignments to End Users

(...)

If the applicant is a multihomed end user **or it has needs of interconnection:**

The size of the minimum IPv4 address assignment to a multihomed end user is a /24. In order to qualify for a block the applicant must also satisfy the following requirements:

(...)

Those users that are planning to be multihomed **or that are planning to establish interconnections with other autonomous systems in a period of six months can also apply. In these cases, they will have to justify with detail.**



## JUSTIFICACION

Flexibilizar la política actual con la finalidad de permitirle a Usuarios Finales el poder interconectarse a NAP's (IXP)



## BENEFACTORES

- Universidades
  - Empresas de Contenido Multimedia (Radio, TV, Streaming)
  - Empresas Estatales (Procesos Electorales)
  - ISP's (fomento de los servicios Multihoming)
- y demás empresas con necesidad de interconectarse con otros AS's (con NAP's por ejemplo)



# ARIN POLICY

<https://www.arin.net/policy/nrpm.html#four3>

## 4.3. End-users - Assignments to end-users

### 4.3.1. End-users

ARIN assigns blocks of IP addresses to end-users who request address space for their internal use in running their own networks, but not for sub-delegation of those addresses outside their organization. End-users must meet the requirements described in these guidelines for justifying the assignment of an address block.

### 4.3.2. Minimum assignment

#### 4.3.2.1 Single Connection

The minimum block of IP address space assigned by ARIN to end-users is a /20. If assignments smaller than /20 are needed, end-users should contact their upstream provider.

#### 4.3.2.2 Multihomed Connection

For multihomed end-users who demonstrate an intent to announce the requested space in a multihomed fashion to two or more distinct ASNs not owned or controlled by the end-user, the minimum block of IP address space assigned is a /24. If assignments smaller than a /24 are needed, multihomed end-users should contact their upstream providers. When prefixes are assigned which are smaller than /20, they will be from a block reserved for that purpose so long as that is feasible.







# RIPE POLICY

<http://www.ripe.net/rs/independent-resources.html>

## Requesting resources directly from the RIPE NCC

End Users can request independent resources directly from the RIPE NCC. This requires setting up a Direct Assignment User account with the RIPE NCC.

### Should I become a Direct Assignment User?

- **YES:** If you do not want to go through an LIR and you only require a small assignment of Provider Independent (PI) address space and/or other independent resources. You should also have resources available to administer the Internet resources yourself.
- **NO:** If your organisation needs a large amount of IPv4, IPv6 and AS Numbers, routable blocks of address space and/or make assignments to End Users or customers.



# MUITO OBRIGADO!

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