Supporting Notes for the IPv4 First Allocation Request Form

RIPE NCC

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See also ripe-235

Contents

Introduction

This document contains supporting notes for the set of templates to be used when submitting an "IPv4 First Allocation Request Form".

It should be noted that since August 2000 the minimum allocation size issued by RIPE NCC is /20 (4096 IPv4 addresses).

This set of templates should be sent following the submission of one or more IPv4 address space request forms found at:
http://www.ripe.net/ripe/docs/iprequestform.html.

You may choose to use the clean templates provided in the "IPv4 First Allocation Request Form" document which is located at:

http://www.ripe.net/ripe/docs/first-allocation.html#templates

Warning:

Requests sent to the RIPE NCC that lack a proper Registry Identifier (**X-NCC-RegID**) will be returned to the sender. Please include the Registry Identifier in the header of the message or at the top of this form. Additionally, modifying the templates is likely to delay the request.

Supporting Notes for the Request Form Templates

X-NCC-RegID:

The Registry Identifier must be included in every message sent to <hostmaster@ripe.net>. It is used to identify the Local Internet Registry. More information about the registry identifier can be found in the RIPE Document "Guidelines for Setting Up a Local Internet Registry at the RIPE NCC" at:

http://www.ripe.net/ripe/docs/new-lir.html

#[OVERVIEW OF ORGANISATION TEMPLATE]#

Please enter a short description of the organisation requesting the IPv4 allocation.

#[REQUESTER TEMPLATE]#

Please enter the details of the person at your Local Internet Registry (LIR) who is submitting this request.

name:
organisation:
country:
phone:
fax-no:
e-mail:

#[IPv4 ASSIGNMENT TICKET NUMBERS]#

In this section, please list the ticket numbers for all the IPv4 address space request forms your New LIR has submitted to <hostmaster@ripe.net>.

Members need to demonstrate the usage or need for at least a /22 (1024 IPv4 addresses) within three months. For this reason the list needs to contain tickets that equate to assignments of a /22 or more.

Organisations using a /22 or fewer addresses are required to renumber those networks into the new allocation.

Ticket Number	Organisation Name	Netname	Size	CIDR

#[NETWORK TEMPLATE]#

This template contains the network object (**inetnum**) that will describe your allocation.

```
inetnum:   *leave empty*
netname:   *leave empty*
descr:     [Provider / Enterprise] Local Registry
descr:     Name of LIR's organisation
```

```
country:   *specify the country*
admin-c:   *insert nic-handle of administrative contact*
tech-c:    *insert nic-handle of technical contact*
status:    ALLOCATED PA
mnt-by:    RIPE-NCC-HM-MNT
mnt-lower: *specify LIR mntner name*
mnt-routes:*specify LIR mntner name*
notify:    *specify e-mail address*
changed:   hostmaster@ripe.net
source:    RIPE
```

The "inetnum:" attribute value (the IPv4 network prefix) should be left blank. It will be chosen by the RIPE NCC from the available IPv4 address space allocated to the RIPE NCC by the Internet Assigned Numbers Authority (IANA).

The "netname:" will always be selected by the RIPE NCC. LIRs cannot select their own "netname:" for the **inetnum** describing their allocation. However, they must select their own netnames for any assignments they register as **inetnum** objects in the RIPE Whois Database.

The "descr:" attributes will always indicate that this network is allocated to either a Provider or an Enterprise LIR. However, the LIR can add additional "descr:" attributes which will be included in the object entered into the RIPE Database.

The "country:" attribute describes the country or countries the network will operate in. If the network is multi-national a "#" can be used to allow multiple country codes to be listed using a single "country:" attribute.

The "admin-c:" and "tech-c:" are the contacts for the allocation at the LIR. For more information please refer to the supporting notes of the IPv4 address space request form found at:
http://www.ripe.net/ripe/docs/iprequestsupport.html#toc12

If the LIR has a **role** object it might want to reference this in the "admin-c:" and "tech-c:" attributes. **Role** objects are an efficient way of managing to contact information for groups of people.

The "status:" attribute will generally be <ALLOCATED PA>.

The "mnt-by:" attribute will always have a value of <RIPE-NCC-HM-MNT>.

The "mnt-lower:" and "mnt-routes:" attributes provide hierarchical authentication. That is, they authenticate the creation of **route** objects or more specific **inetnum** objects under the allocation **inetnum** object, thus preventing the unauthorised creation of objects.

It is essential that the LIR has their own maintainer referenced in these attributes. Where the LIR does not already have a maintainer they should complete and include the maintainer template below. The RIPE NCC will then create the maintainer for the LIR and reference it in the **inetnum** object.

The "notify:" attribute should specify the e-mail address that will receive notifications of any changes made to the allocation **inetnum** object.

The "changed:" attribute will always be set to <hostmaster@ripe.net>.

All objects within the RIPE Whois Database have <RIPE> as a fixed value for the "source:" attribute.

#[MAINTAINER TEMPLATE]#

```
mntner:      [mandatory] [single]   [primary/look-up key]
descr:       [mandatory] [multiple] [ ]
admin-c:     [mandatory] [multiple] [inverse key]
tech-c:      [optional]  [multiple] [inverse key]
upd-to:      [mandatory] [multiple] [inverse key]
mnt-nfy:     [optional]  [multiple] [inverse key]
auth:        [mandatory] [multiple] [ ]
remarks:     [optional]  [multiple] [ ]
notify:      [optional]  [multiple] [inverse key]
mnt-by:      [mandatory] [multiple] [inverse key]
referral-by: [mandatory] [single]   [inverse key]
changed:     [mandatory] [multiple] [ ]
source:      [mandatory] [single]   [ ]
```

#[TEMPLATES END]#

Example Request Form (Completed)

Please enter your Registry ID here.

X-NCC-RegID: nn.nowhere

#[OVERVIEW OF ORGANISATION TEMPLATE]#

Northern Nowhere Internet is an ISP serving the Christmastown Community in the barren wastes of the arctic north.
We are located in Christmas town and peer at the XMAS-IX.
We provide GPRS, Cable, DSL, Leaded Line, Co-location and other Internet services.

#[REQUESTER TEMPLATE]#

name: Santa Claus
organisation: Northern Nowhere Internet
country: NN
phone: +999 555 5555
fax-no: +999 555 5556
e-mail: santa.claus@nowhere.nn

#[IPv4 ASSIGNMENT TICKET NUMBERS]#

Ticket Number	Organisation Name	Netname	Size	CIDR
NCC#2002010002	NN Internet	XMAS-SERVICE-LAN	768	/23,/24
NCC#2002010001	NN Internet	NN-OFFICE-LAN	384	/24,/25
NCC#2002010004	NN Internet	NN-P2P-LINKS	384	/24,/25

#[NETWORK TEMPLATE]#

```
inetnum:
netname:
descr:   Provider Local Registry
descr:   Northern Nowhere Internet
         The Barren Arctic’s Premiere
         Internet Service Provider
country: NN
admin-c: HOHO-RIPE
tech-c: HOHO-RIPE
status: ALLOCATED PA
mnt-by: RIPE-NCC-HM-MNT
mnt-lower: EXAMPLE-MNT
mnt-routes: EXAMPLE-MNT
notify: ripe-notify@nowhere.nn
changed: hostmaster@ripe.net
source: RIPE
```

#[MAINTAINER TEMPLATE]#

```
mntner: EXAMPLE-MNT
descr: Sample maintainer for example
admin-c: SWK1-RIPE
tech-c: RD132-RIPE
upd-to: ripe-dbm@ripe.net
mnt-nfy: ripe-dbm@ripe.net
auth: CRYPT-PW JgR64/DAbBfn6
notify: ripe-dbm@ripe.net
mnt-by: EXAMPLE-MNT
referral-by: RIPE-DBM-MNT
changed: ripe-dbm@ripe.net 20020508
source: RIPE
```

#[TEMPLATES END]#

References

More information on "Smallest RIPE NCC Allocation / Assignment Sizes" is avilable from our web site at:

http://www.ripe.net/ripe/docs/smallest-alloc-sizes.html

Information on renumbering IPv4 networks is available in "Network Renumbering Overview: Why would I want it and what is it anyway?" which is available from our FTP site at:

ftp://ftp.ripe.net/rfc/rfc2071.txt

Additionally, "Router Renumbering Guide" might be useful to some organisations and is available from our FTP site at:

ftp://ftp.ripe.net/rfc/rfc2072.txt

More information about mainatiners is available from the RIPE Database and the "RIPE Database Reference Manual":

<http://www.ripe.net/perl/whois?-vmntner>
<http://www.ripe.net/ripe/docs/databaseref-manual.html>

Information about **person** and **role** objects is available at:

<http://www.ripe.net/perl/whois?-vperson>
<http://www.ripe.net/perl/whois?-vrole>