Size of smallest allocations in CIDR blocks allocated by the RIPE NCC

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Document: ripe 211
Date: July 26, 2000

This document contains the size of the minimum and default allocations made by the RIPE NCC to users from CIDR blocks assigned to the RIPE NCC by the IANA.

“Default allocation” refers to the amount of addresses, in prefix notation, that are allocated to users by default.

“Smallest allocation” refers to the size of the smallest allocation, in prefix notation, made by the RIPE NCC to a user.

Allocations smaller than the default size have been made to users requesting Provider Independent (PI) address space.

Routing decisions for blocks of address space are the sole responsibility of network operators.

However, network operators taking routing decisions based on prefix length are requested and encouraged to route at least blocks of sizes corresponding to the “default allocation” and bigger.

Users to whom small blocks (smaller than the default allocation size) of PI addresses are given out are always notified that network operators throughout the Internet may choose not to route, or may filter, small address blocks if they are not aggregated into bigger blocks. This is, as a matter of fact, common practice nowadays.

CIDR block	Default allocation	Smallest allocation
62/8	/19	/19
193/8	/19	/29
194/8	/19	/29
195/8	/19	/29
212/8	/19	/19
213/8	/19	/19
217/8	/20	NA

Table 1. Allocation sizes for CIDR blocks from which the RIPE NCC has made allocations.