NRO

Number Resource Organization

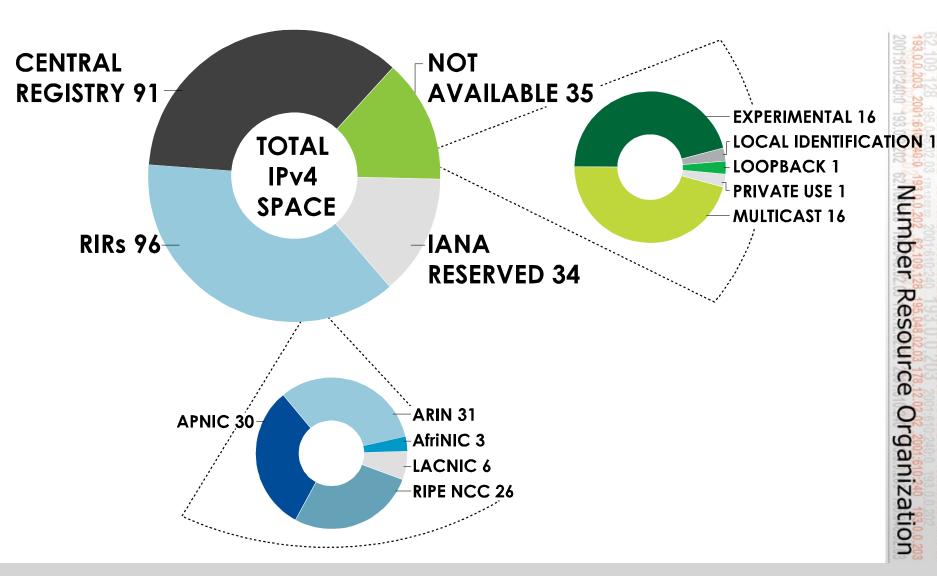# INTERNET NUMBER RESOURCE STATUS REPORT

As of 31 December 2008

Prepared by
Regional Internet Registries
AfriNIC, APNIC, ARIN, LACNIC and the RIPE NCC

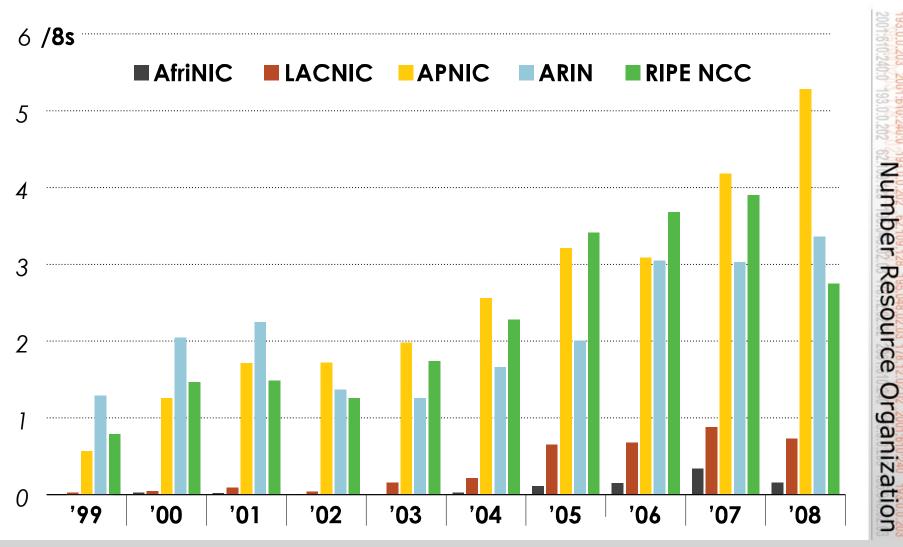# IPv4 ADDRESS SPACE
What is the status of each of the 256 /8s?

NRO

CENTRAL REGISTRY 91

NOT AVAILABLE 35

TOTAL IPv4 SPACE

RIRs 96

IANA RESERVED 34

EXPERIMENTAL 16
LOCAL IDENTIFICATION 1
LOOPBACK 1
PRIVATE USE 1
MULTICAST 16

APNIC 30

ARIN 31
AfriNIC 3
LACNIC 6
RIPE NCC 26

Number Resource Organization

IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)

In terms of /8s, how much space did each RIR allocate by year?

Legend: ■ AfriNIC ■ LACNIC ■ APNIC ■ ARIN ■ RIPE NCC

Y-axis: 6 /8s, 5, 4, 3, 2, 1, 0

X-axis: '99 '00 '01 '02 '03 '04 '05 '06 '07 '08

Number Resource Organization

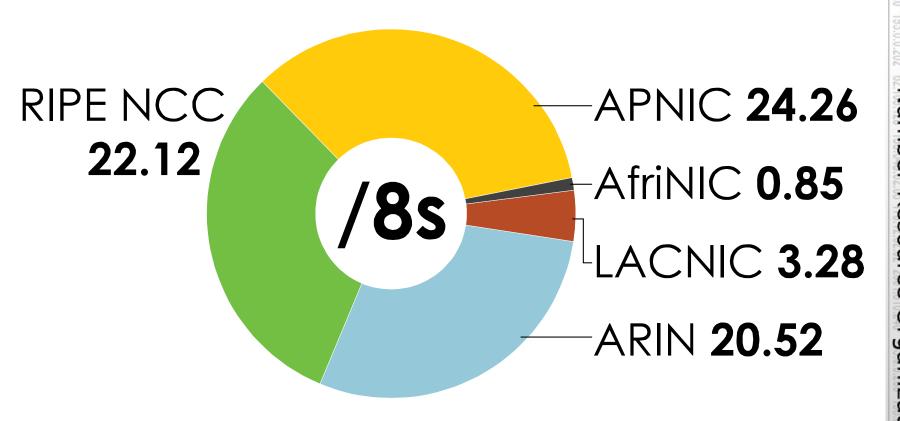# IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)
In terms of /8s, how much total space has each RIR allocated?
(Jan 1999 – Dec 2008)

RIPE NCC **22.12**

APNIC **24.26**
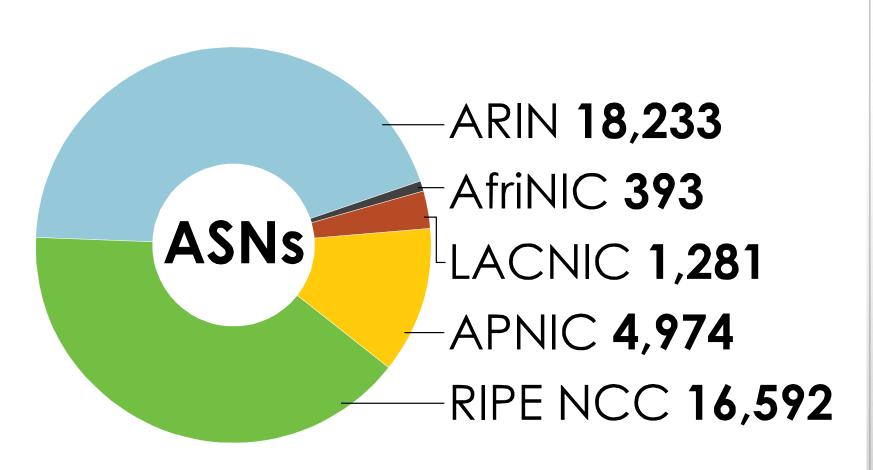
AfriNIC **0.85**

LACNIC **3.28**

ARIN **20.52**

/8s

ASN ASSIGNMENTS (RIRs TO CUSTOMERS)
How many ASNs has each RIR assigned by year?

Legend: AfriNIC, LACNIC, APNIC, ARIN, RIPE NCC

ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many total ASNs has each RIR assigned?
(Jan 1999 – Dec 2008)

NRO

ASNs

ARIN **18,233**

AfriNIC **393**

LACNIC **1,281**

APNIC **4,974**

RIPE NCC **16,592**

IPv6 ADDRESS SPACE
How much has been allocated to the RIRs?

ALL IPv6 SPACE

/0

/3

GLOBAL UNICAST

IANA RESERVE 506 /12s

RIRs 5 /12s (October 2006)

RIR	IPv6 ADDRESS
AfriNIC	2C00:0000::/12
APNIC	2400:0000::/12
ARIN	2600:0000::/12
LACNIC	2800:0000::/12
RIPE NCC	2A00:0000::/12

AfriNIC 1

LACNIC 1

RIPE NCC 15

APNIC 7

ARIN 5

SPECIAL PURPOSE 3

RFC 3056
RFC 4773
RESERVED FOR RIPE NCC

IPv6 Allocations RIRs to LIRs/ISPs

How many allocations have been made by each RIR by year?

■ AfriNIC   ■ LACNIC   ■ APNIC   ■ ARIN   ■ RIPE NCC

IPv6 ALLOCATIONS RIRs to LIRs/ISPs
(Jan 1999 – Dec 2008)

How many total allocations have been made by each RIR?

alloca-tions

RIPE NCC **1,199**
AfriNIC **65**
LACNIC **163**
APNIC **453**
ARIN **496**

In terms of /32s, how much total space has each RIR allocated?

/32s

RIPE NCC **33,235**
AfriNIC **65**
LACNIC **175**
ARIN **14,851**
APNIC **24,318**

LINKS TO RIR STATISTICS

- RIR Stats:
  www.nro.net/statistics

- Raw Data/Historical RIR Allocations:
  www.aso.icann.org/stats

  www.iana.org/assignments/ipv4-address-space

  www.iana.org/assignments/as-numbers

  www.iana.org/assignments/ipv6-unicast-address-assignments

thank you