NRO

Number Resource Organization

INTERNET NUMBER RESOURCE STATUS REPORT

As of 30 September 2010

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?

STATUS OF 256 /8s IPv4 ADDRESS SPACE

TOTAL IPv4 SPACE

CENTRAL REGISTRY 91

NOT AVAILABLE 35

RIRs 116

IANA RESERVED 14

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

APNIC 40
ARIN 33
AfriNIC 3
LACNIC 8
RIPE NCC 32

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IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)

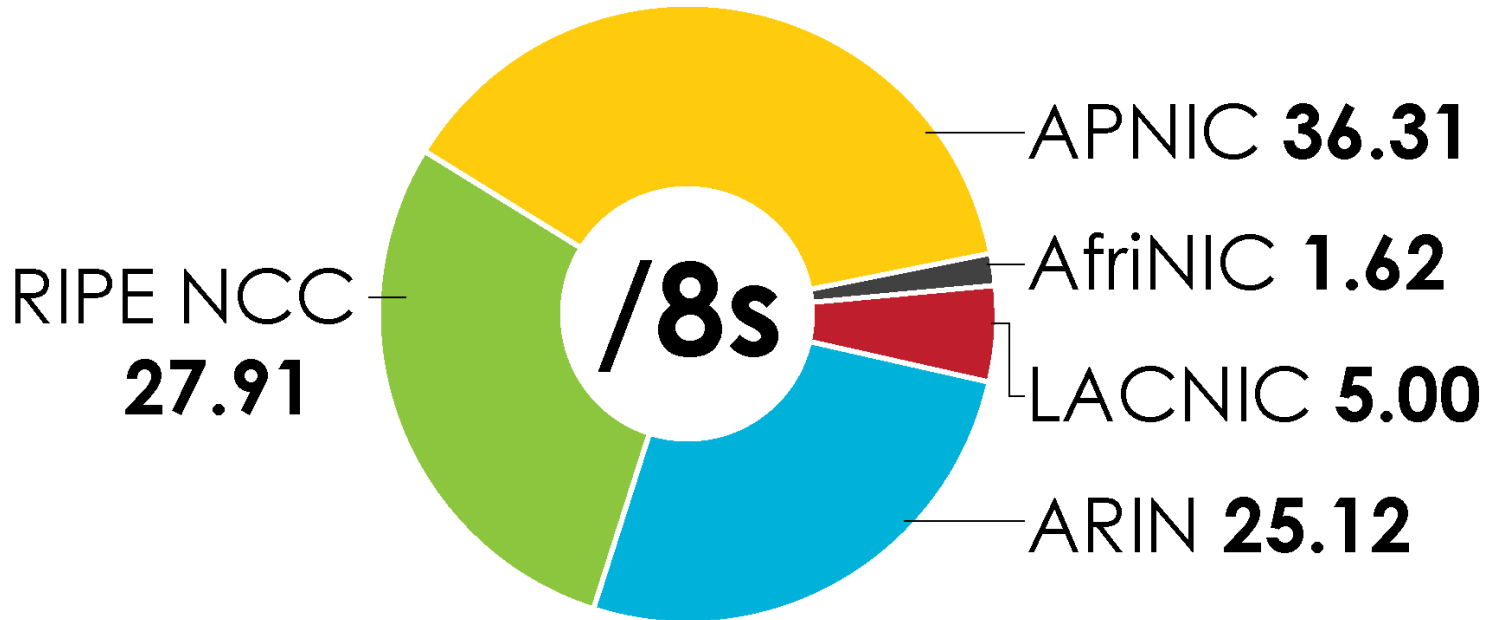In terms of /8s, how much space did each RIR issue by year?

IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)

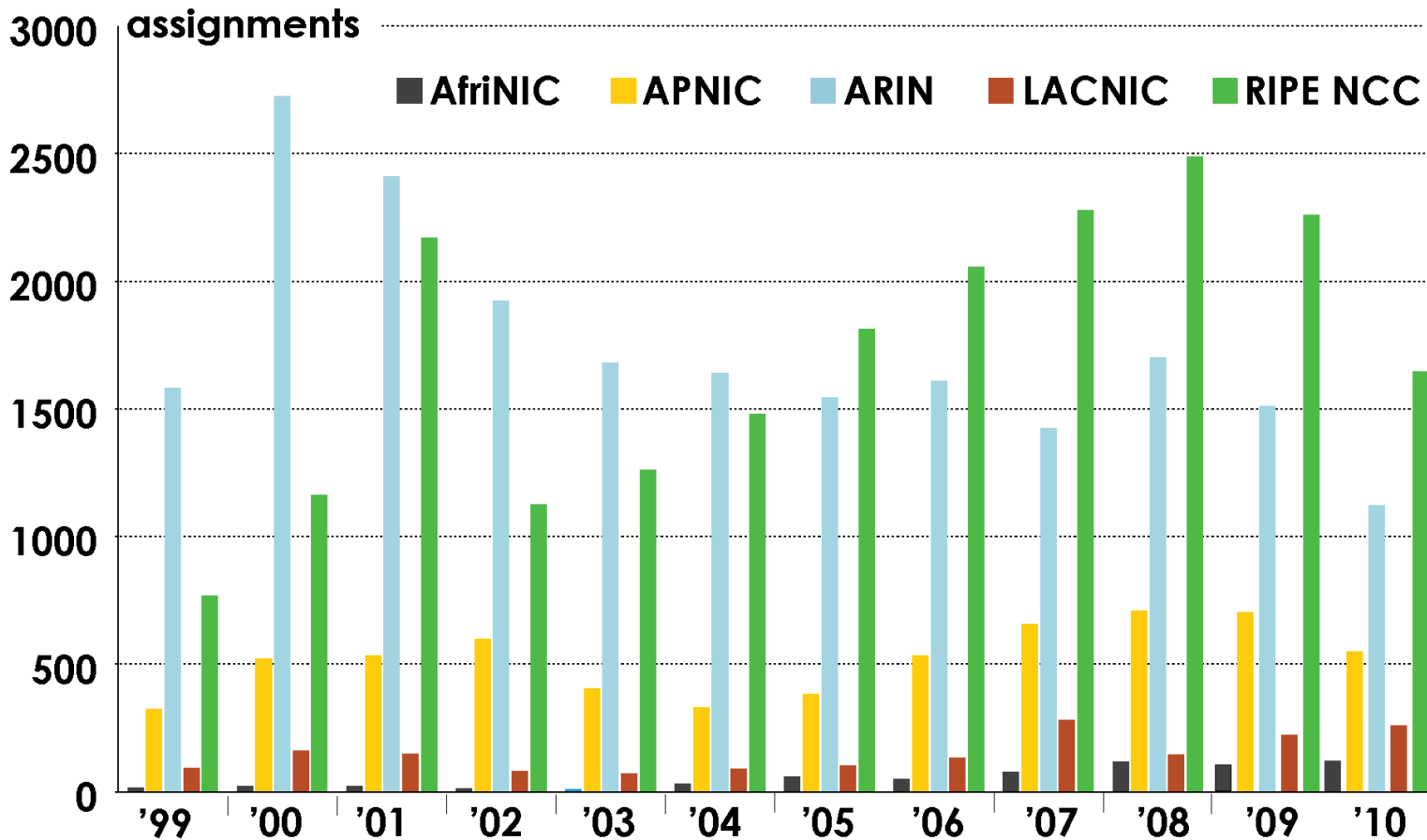In terms of /8s, how much total space has each RIR issued?
(Jan 1999 – Sept 2010)

/8s

APNIC **36.31**

AfriNIC **1.62**

LACNIC **5.00**

ARIN **25.12**

RIPE NCC **27.91**

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

ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many total ASNs has each RIR assigned?
(Jan 1999 – Sept 2010)

ARIN **20,863**

AfriNIC **613**

LACNIC **1,764**

APNIC **6,223**

RIPE NCC **20,497**
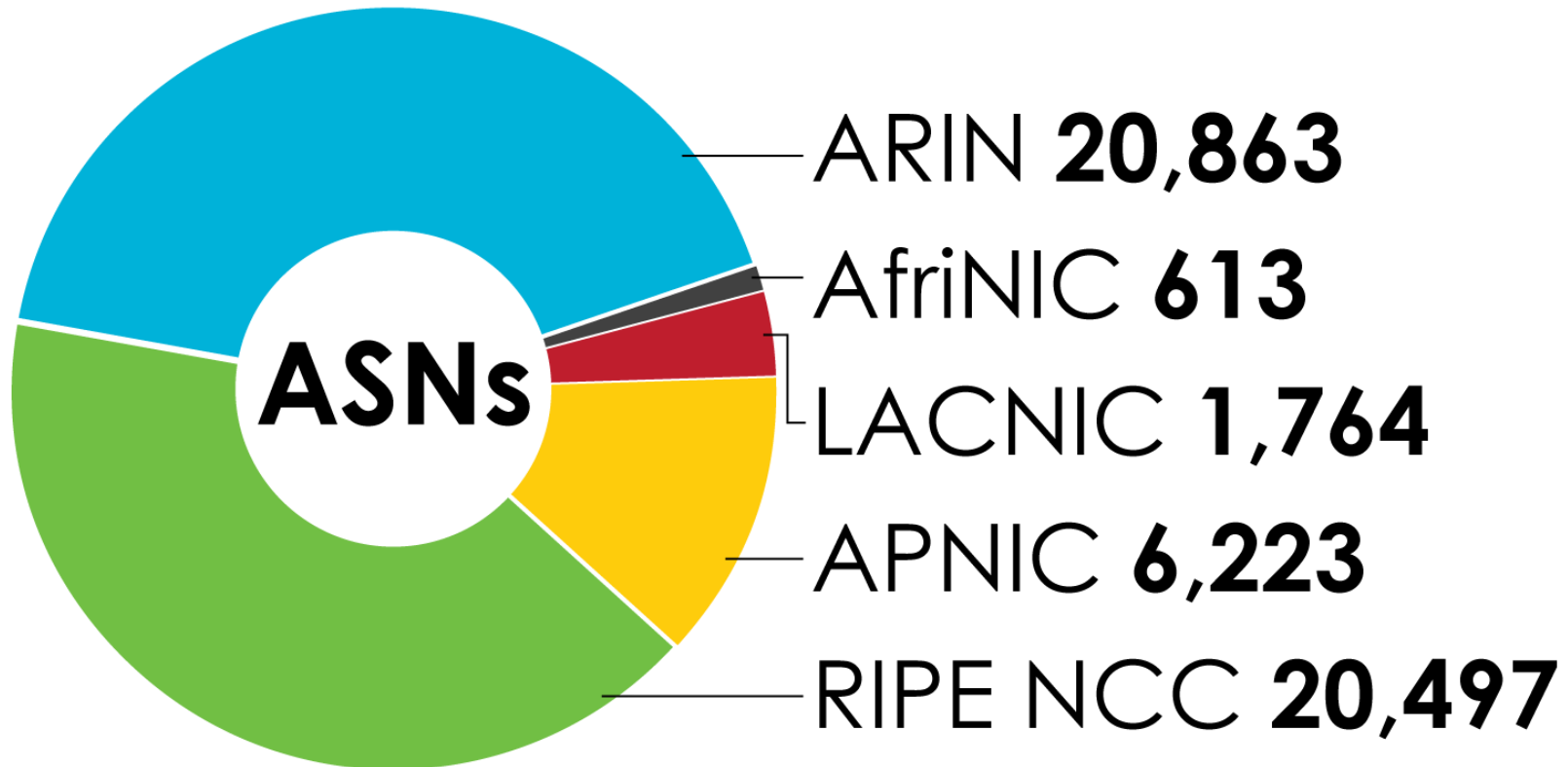
ASNs

4-BYTE ASN ASSIGNMENTS

How many 4-byte ASNs has each RIR assigned by year?
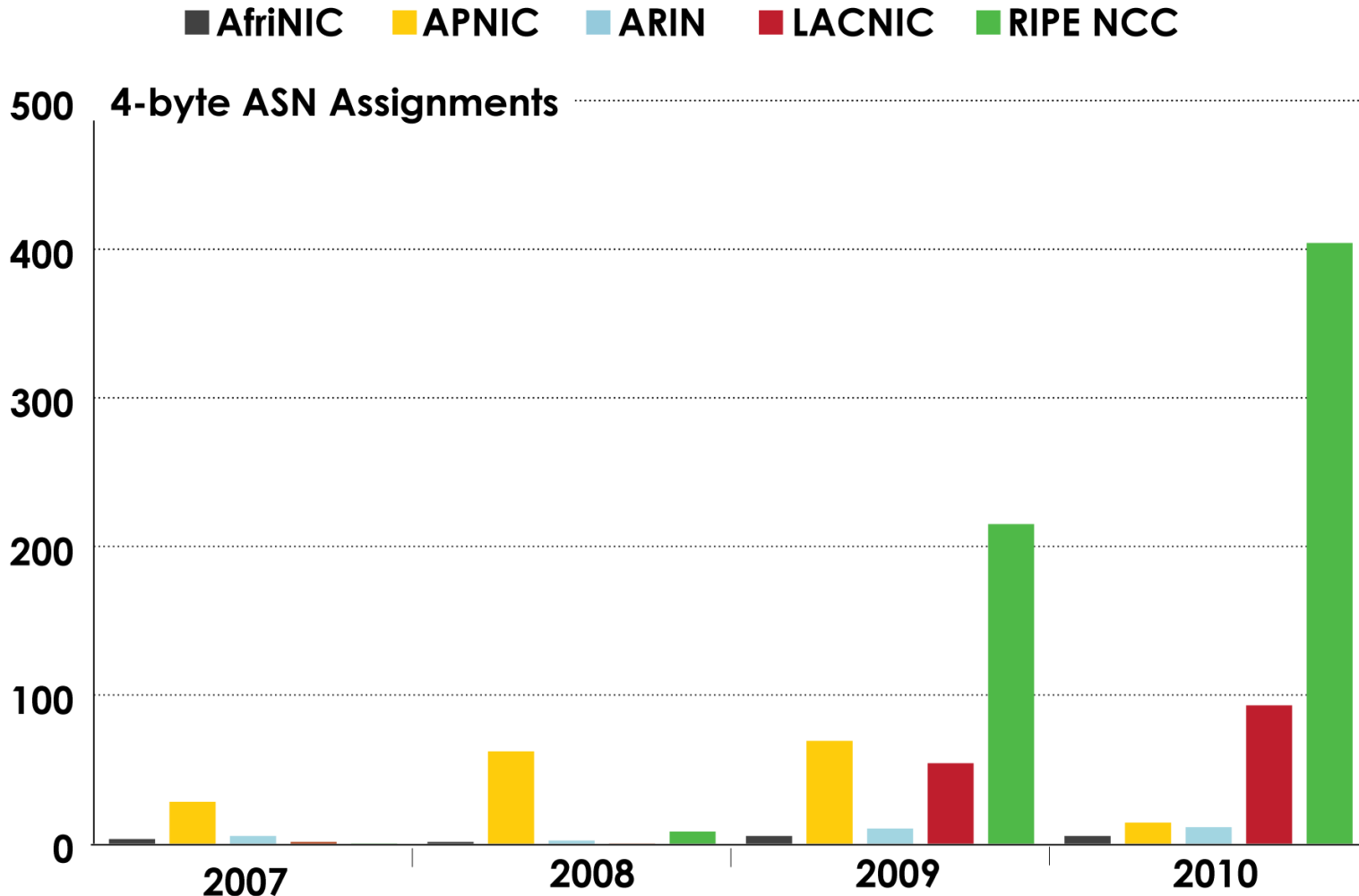
Legend: ■ AfriNIC ■ APNIC ■ ARIN ■ LACNIC ■ RIPE NCC

4-byte ASN Assignments

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4-BYTE ASN ASSIGNMENTS

How many total 4-byte ASNs has each RIR assigned?
(Jan 2007 – Sept 2010)

RIPE NCC **630**

AfriNIC **14**

APNIC **173**

ARIN **28**

LACNIC **148**
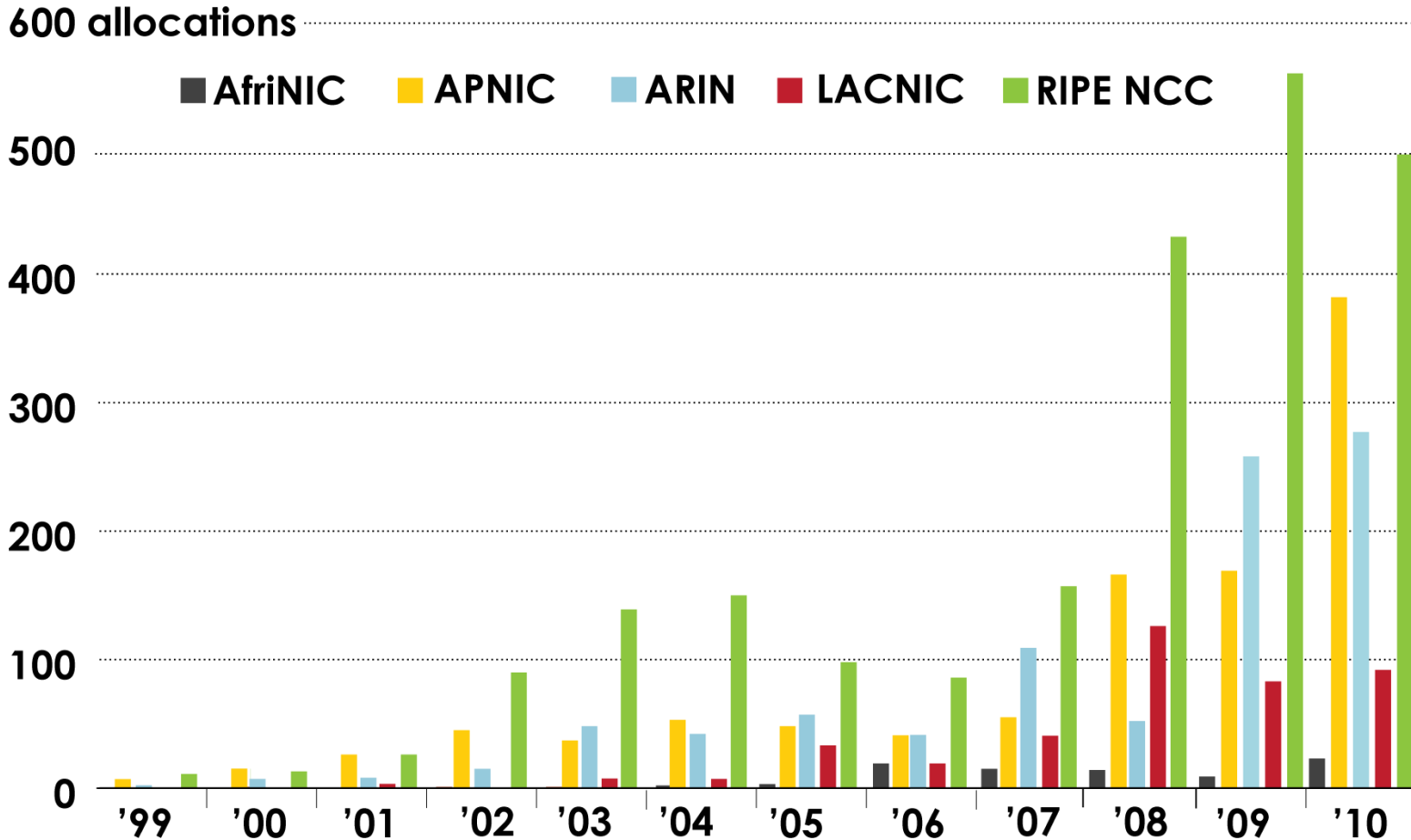
4-byte ASNs

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

ALL IPv6 SPACE

/0

/3

GLOBAL UNICAST

IANA RESERVE
506 /12s

Miscellaneous
1 /12

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
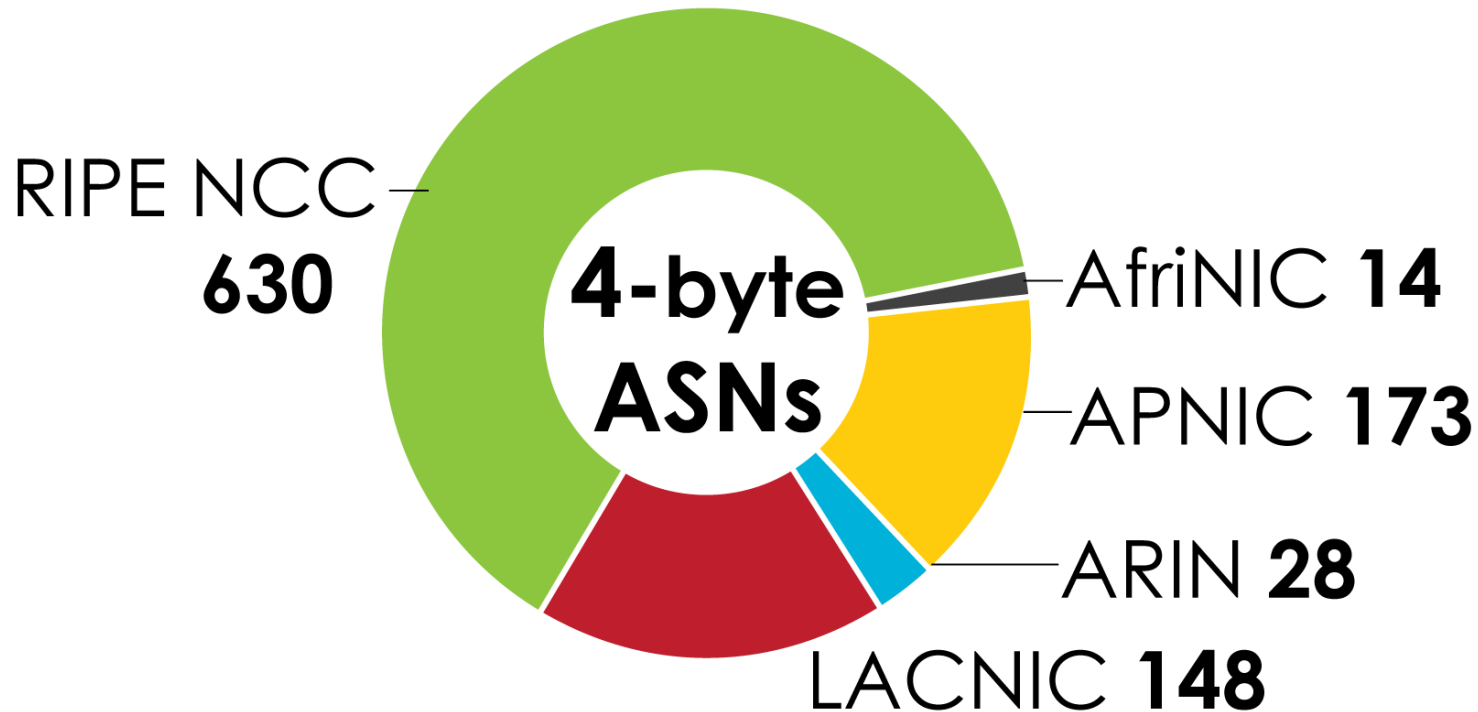
IPv6 Allocations RIRs to LIRs/ISPs
How many allocations have been made by each RIR by year?
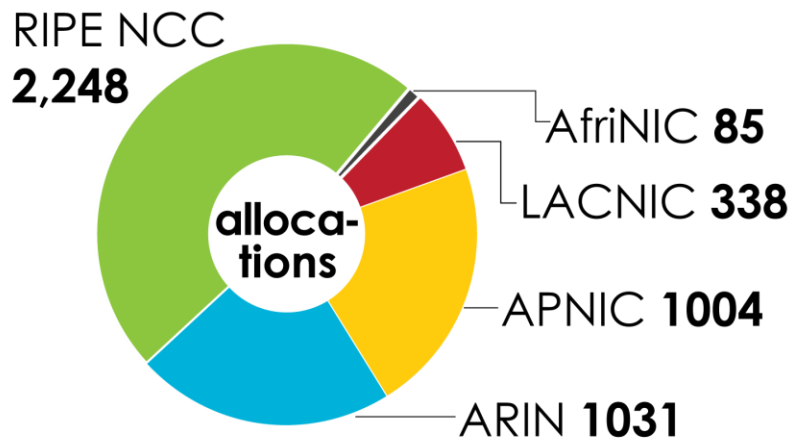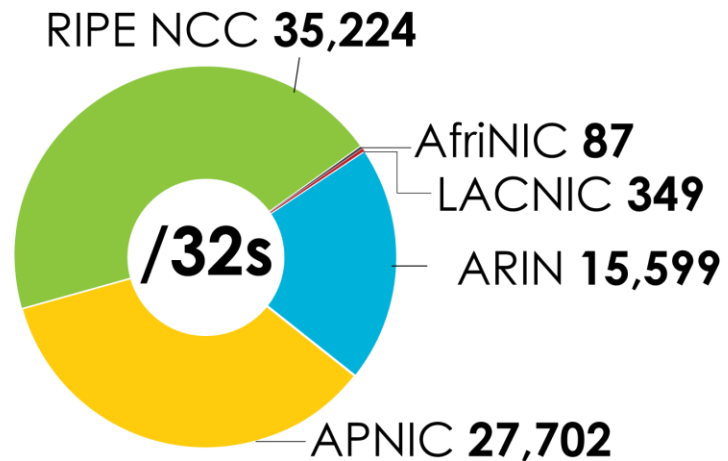
IPv6 ALLOCATIONS RIRs to LIRs/ISPs
(Jan 1999 – Sept 2010)

How many total allocations have been made by each RIR?

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

RIPE NCC **2,248**
AfriNIC **85**
LACNIC **338**
APNIC **1004**
ARIN **1031**
allocations

RIPE NCC **35,224**
AfriNIC **87**
LACNIC **349**
ARIN **15,599**
APNIC **27,702**
/32s

IPV6 ASSIGNMENTS RIRS TO END-USERS

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