

Number Resource Organization



# INTERNET NUMBER RESOURCE STATUS REPORT

As of 30 June 2017

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

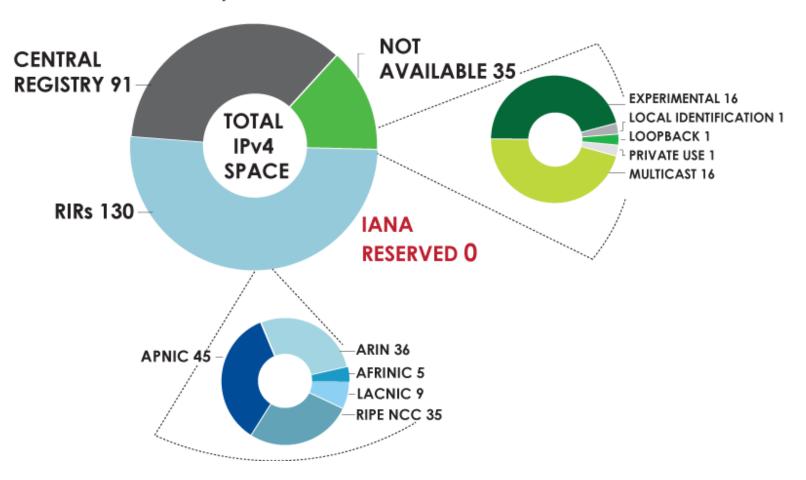


## **IPv4 ADDRESS SPACE**

What is the status of each of the 256 /8s?

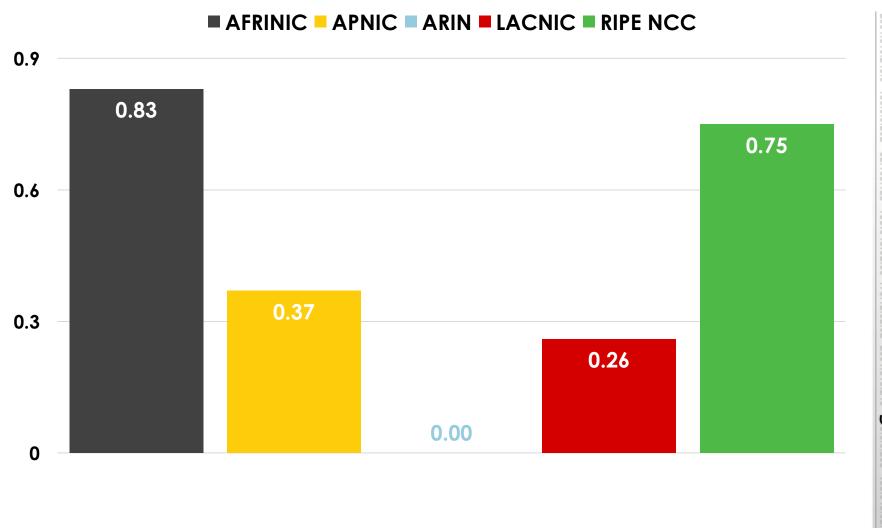
Number Resource Organization

#### STATUS OF 256 /8s IPv4 ADDRESS SPACE





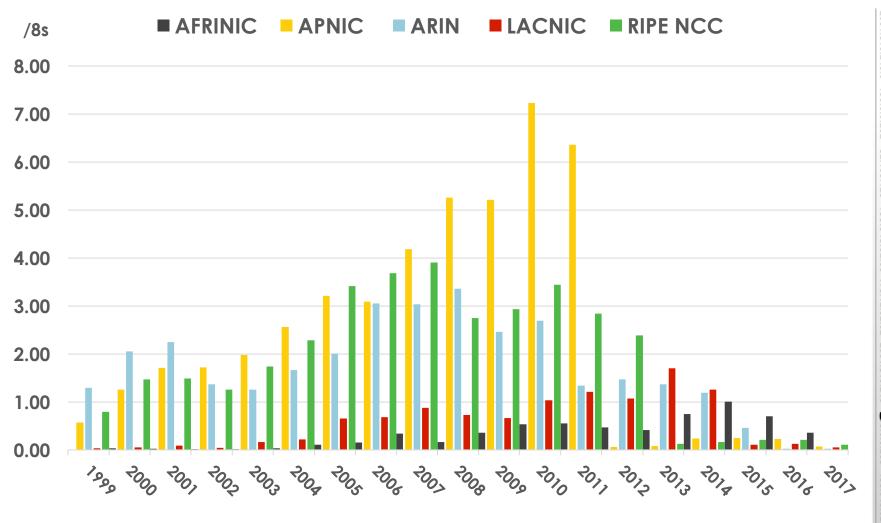
#### Available IPv4 /8s In Each RIR





# IPv4 ADDRESS SPACE ISSUED (RIRs TO CUSTOMERS)

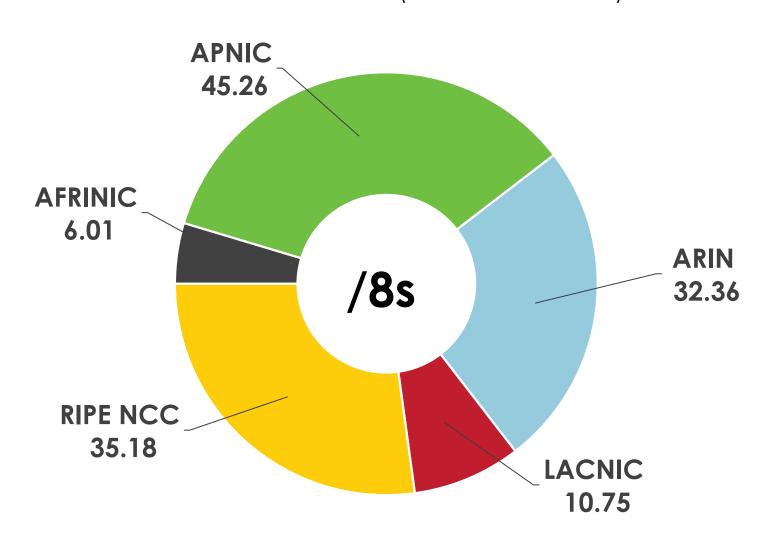
In terms of /8s, how much space did each RIR issue by year?





## IPv4 ADDRESS SPACE ISSUED (RIRs TO CUSTOMERS)

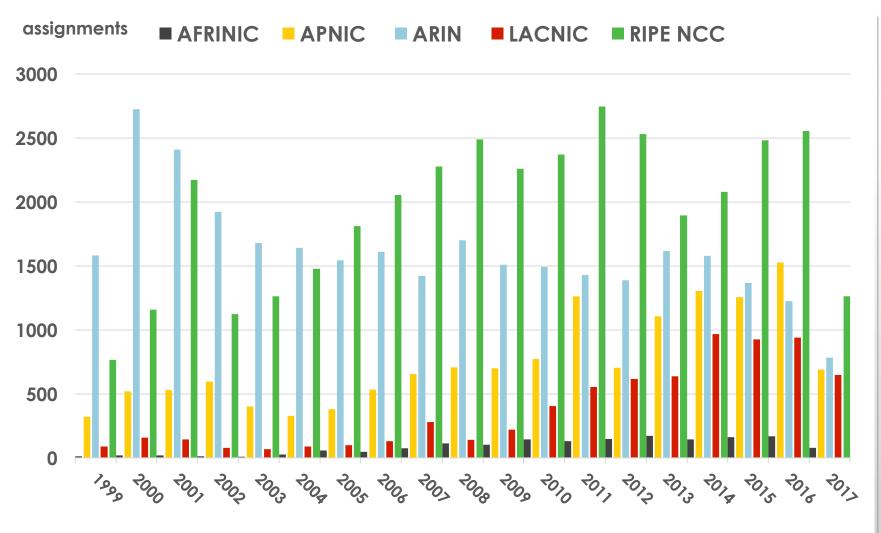
In terms of /8s, how much total space has each RIR issued? (Jan 1999 – Jun 2017)





# ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

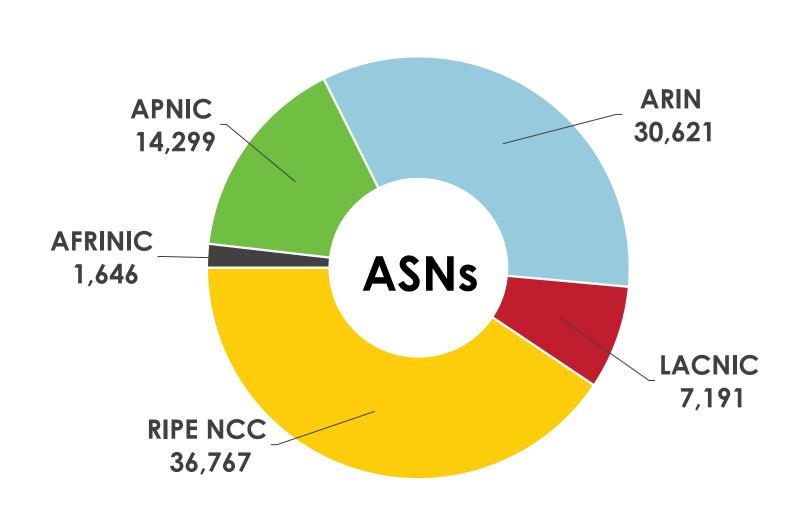
How many ASNs has each RIR assigned by year?





### **ASN ASSIGNMENTS (RIRS TO CUSTOMERS)**

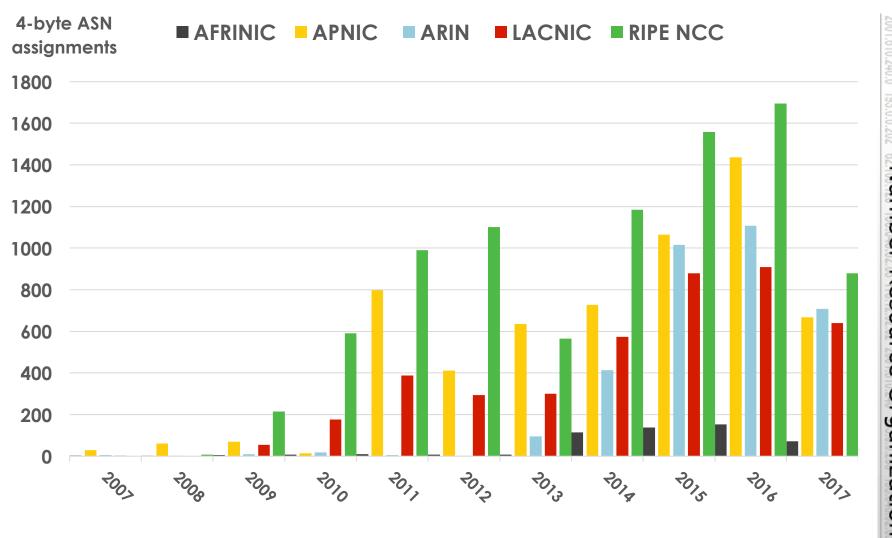
How many total ASNs has each RIR assigned? (Jan 1999 – Jun 2017)



#### 4-BYTE ASN ASSIGNMENTS



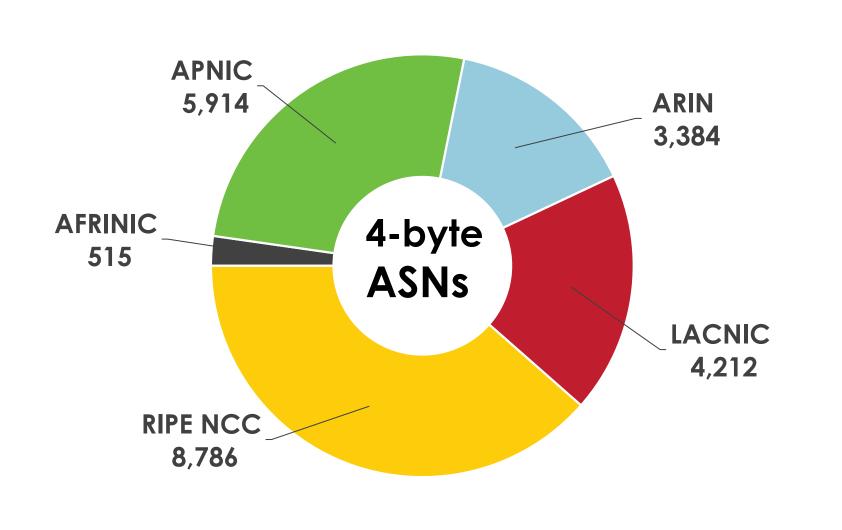
How many 4-byte ASNs has each RIR assigned by year?





#### **4-BYTE ASN ASSIGNMENTS**

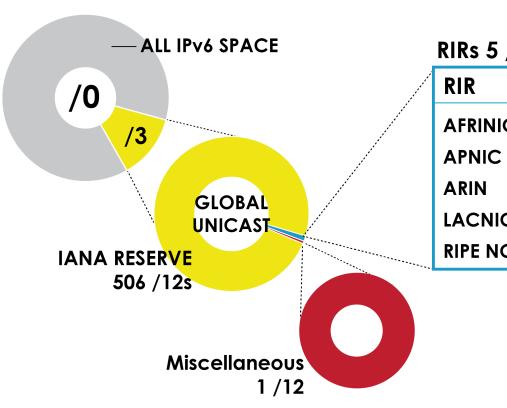
How many total 4-byte ASNs has each RIR assigned? (Jan 2007 – Jun 2017)





## **IPv6 ADDRESS SPACE**

How much has been allocated to the RIRs?



#### RIRs 5 /12s (October 2006)

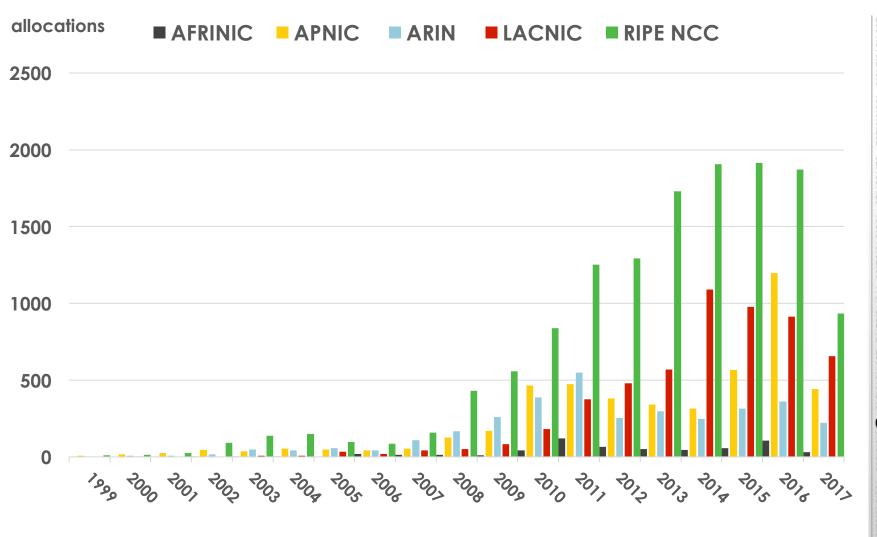
RIR	IPv6 ADDRESS
AFRINIC	2C00:0000::/12
APNIC	2400:0000::/12
ARIN	2600:0000::/12
LACNIC	2800:0000::/12
RIPE NCC	2A00:0000::/12



#### **IPv6 ALLOCATIONS**

(RIRs TO LIRs/ISPs)

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

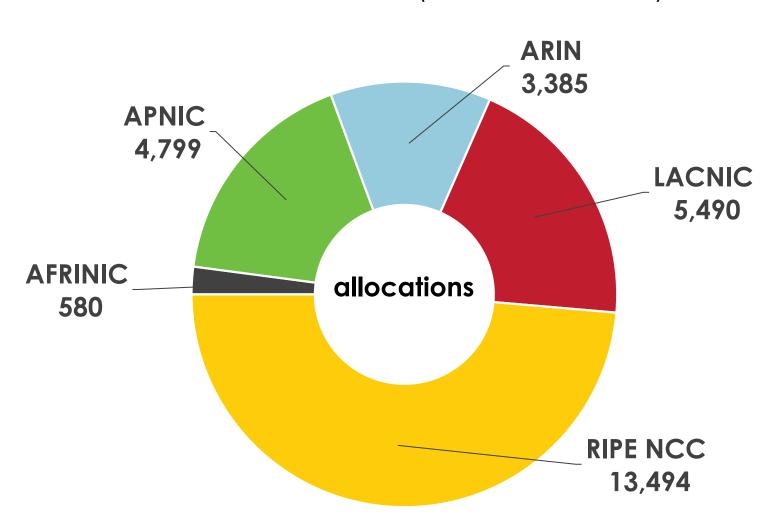




#### **IPv6 ALLOCATIONS**

(RIRs TO LIRs/ISPs)

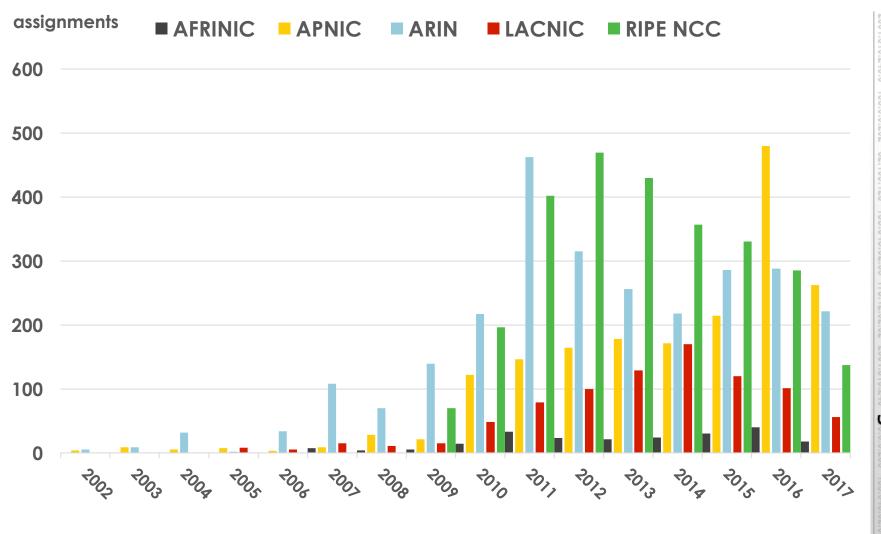
How many total allocations have been made by each RIR? (Jan 1999 – Jun 2017)





#### IPv6 ASSIGNMENTS RIRS TO END-USERS

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

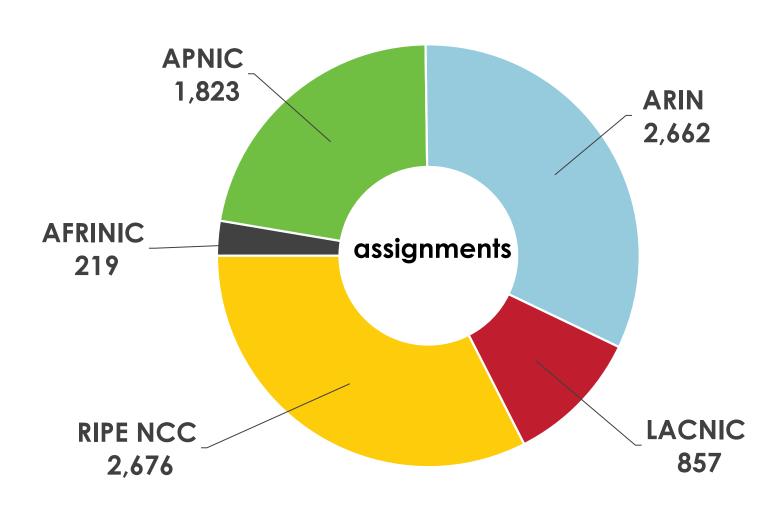




## **IPv6 ASSIGNMENTS**

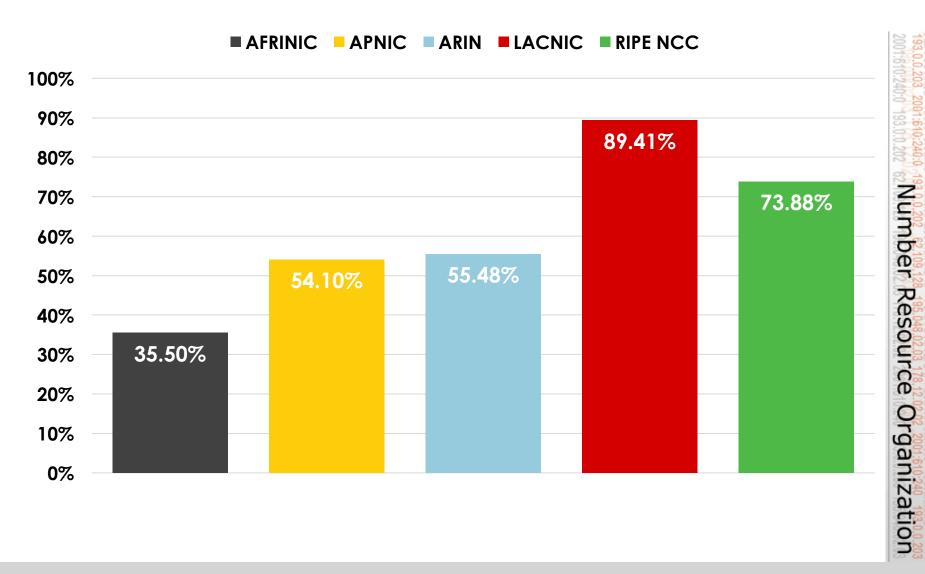
(RIRs TO END-USERS)

How many total assignments have been made by each RIR? (Jan 2002 – Jun 2017)





## PERCENTAGE OF MEMBERS WITH BOTH IPv4 AND IPv6 IN EACH RIR





#### LINKS TO RIR STATISTICS

RIR Stats:

www.nro.net/statistics

Raw Data/Historical RIR Allocations:

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

www.iana.org/assignments/as-numbers

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

<u>address-assignments</u>



# THANK YOU