

Number Resource Organization



# INTERNET NUMBER RESOURCE STATUS REPORT

As of 31 December 2017

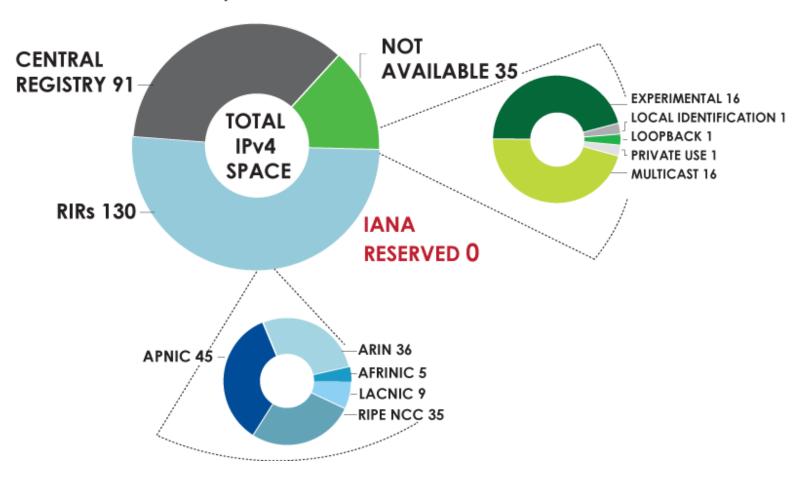
Prepared by
Regional Internet Registries
AFRINIC, APNIC, ARIN, LACNIC and the RIPE NCC



#### **IPv4 ADDRESS SPACE**

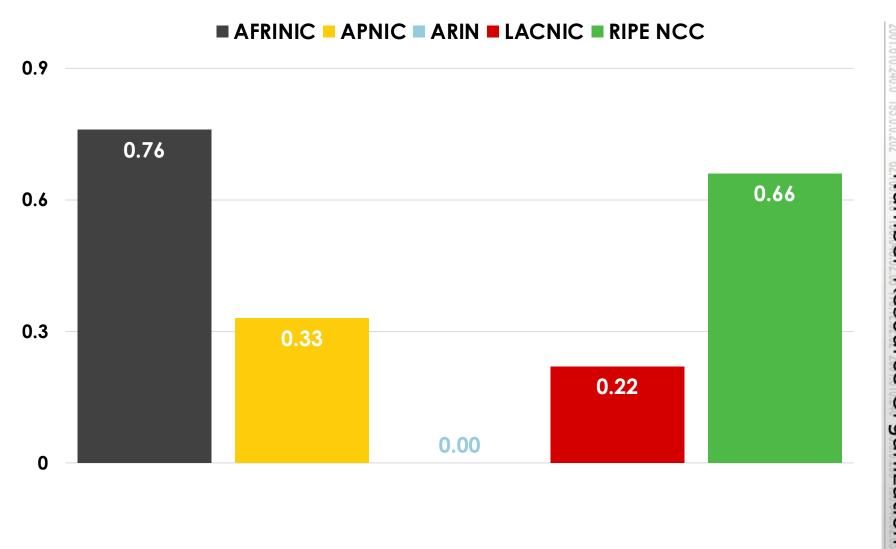
What is the status of each of the 256 /8s?

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





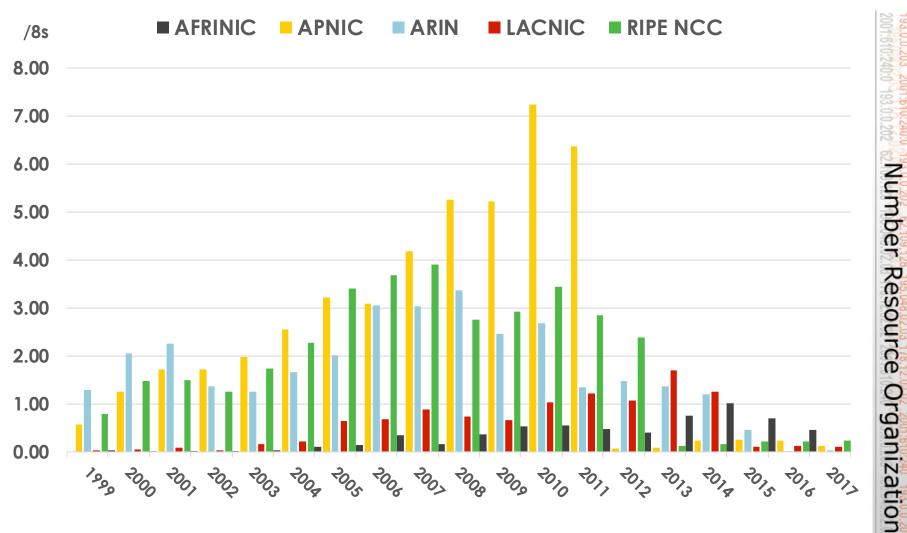
#### Available IPv4 /8s In Each RIR





#### **IPv4 ADDRESS SPACE ISSUED** (RIRs TO CUSTOMERS)

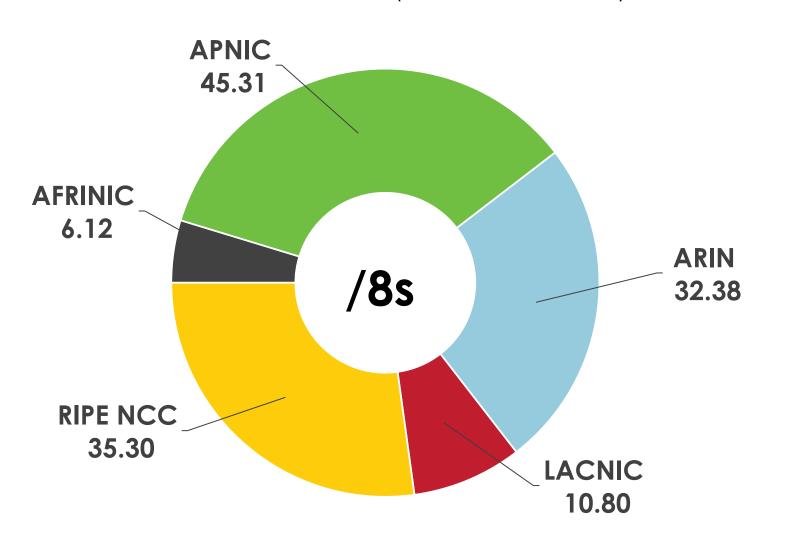
In terms of /8s, how much space did each RIR issue by year?





### IPv4 ADDRESS SPACE ISSUED (RIRs TO CUSTOMERS)

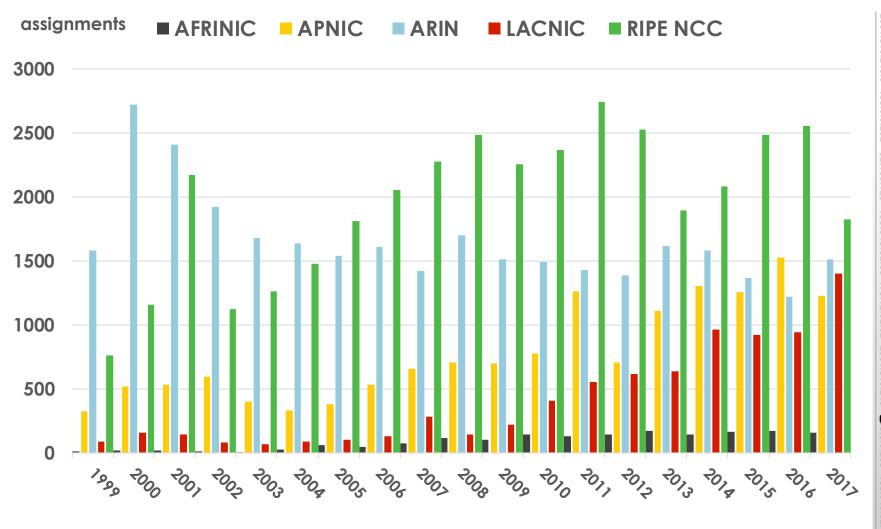
In terms of /8s, how much total space has each RIR issued? (Jan 1999 – Dec 2017)





## ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

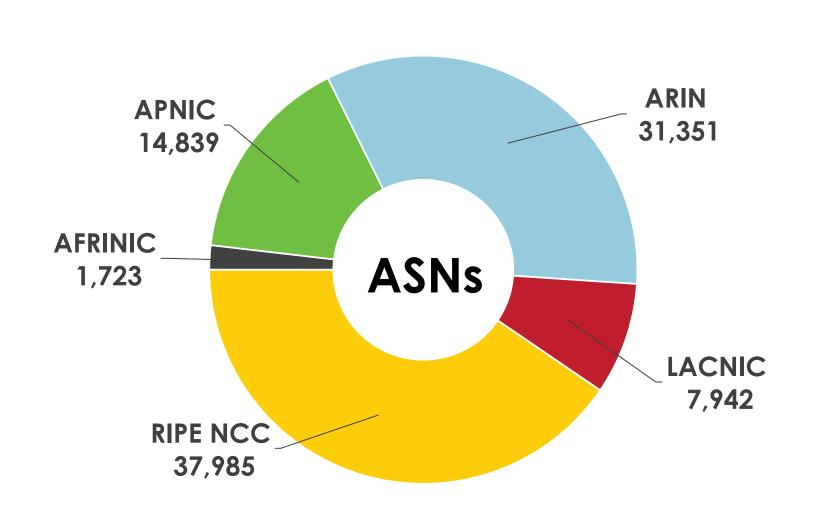
How many ASNs has each RIR assigned by year?





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

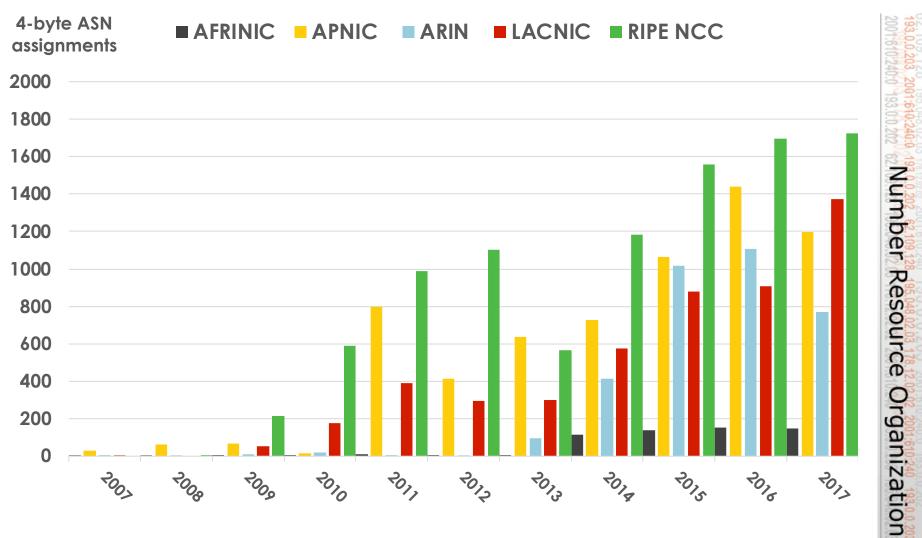
How many total ASNs has each RIR assigned? (Jan 1999 – Dec 2017)



#### 4-BYTE ASN ASSIGNMENTS



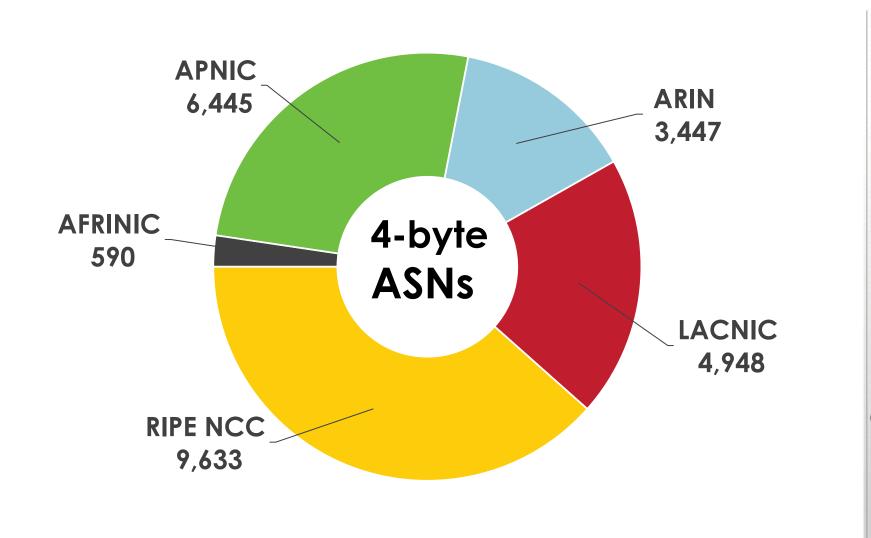
How many 4-byte ASNs has each RIR assigned by year?





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

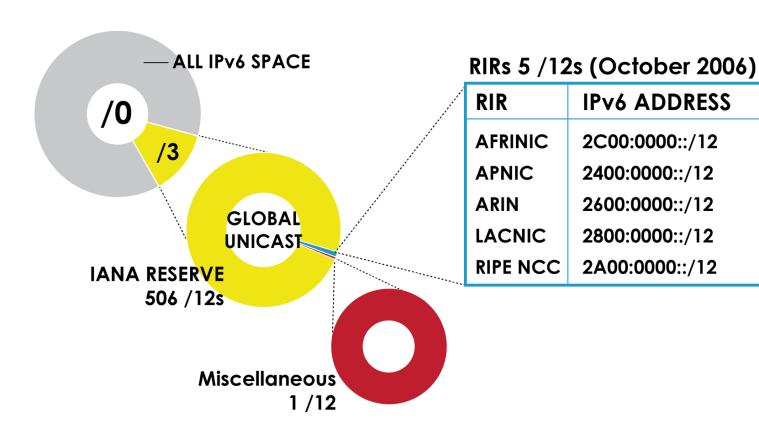
How many total 4-byte ASNs has each RIR assigned? (Jan 2007 – Dec 2017)





#### **IPv6 ADDRESS SPACE**

How much has been allocated to the RIRs?

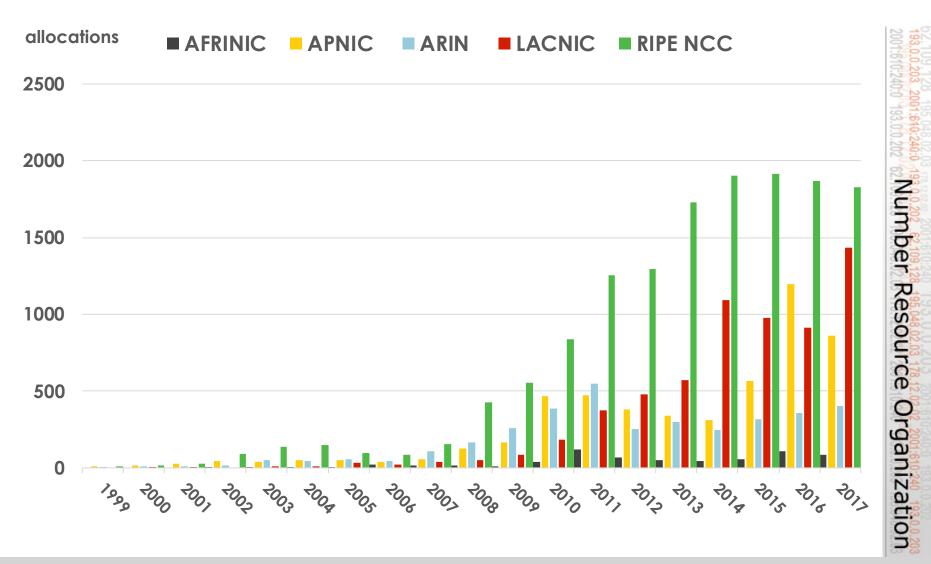




#### **IPv6 ALLOCATIONS**

(RIRs TO LIRs/ISPs)

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



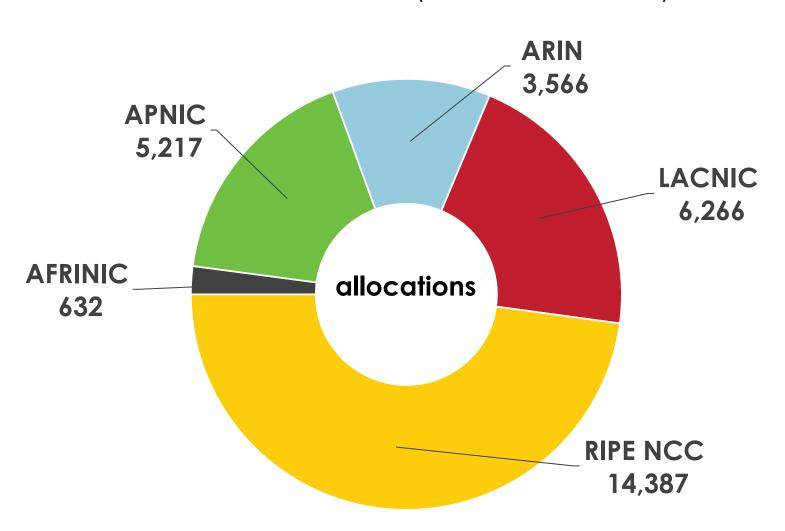


#### **IPv6 ALLOCATIONS**

(RIRs TO LIRs/ISPs)

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

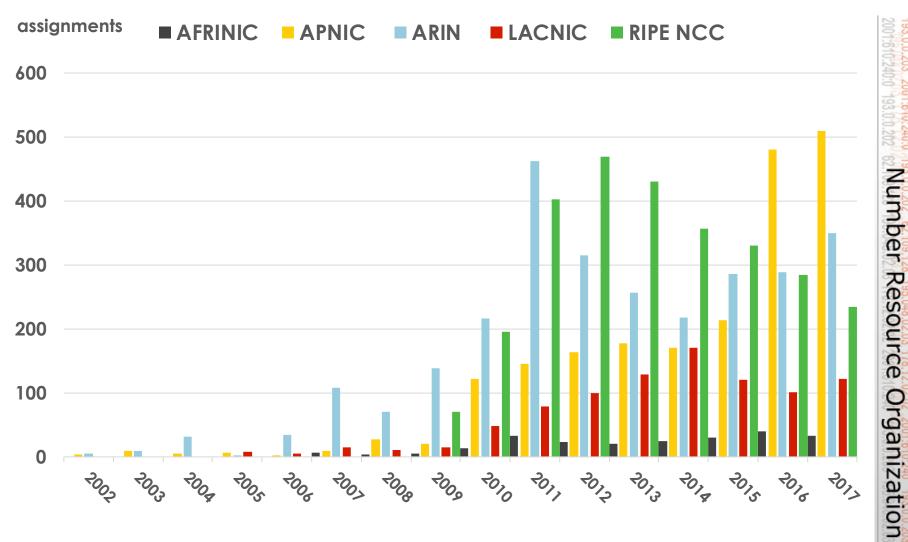
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#### IPv6 ASSIGNMENTS RIRS TO END-USERS

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

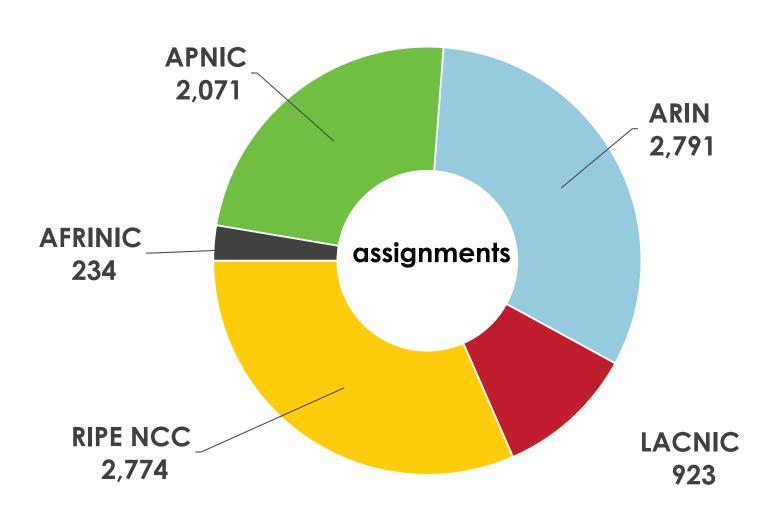




#### **IPv6 ASSIGNMENTS**

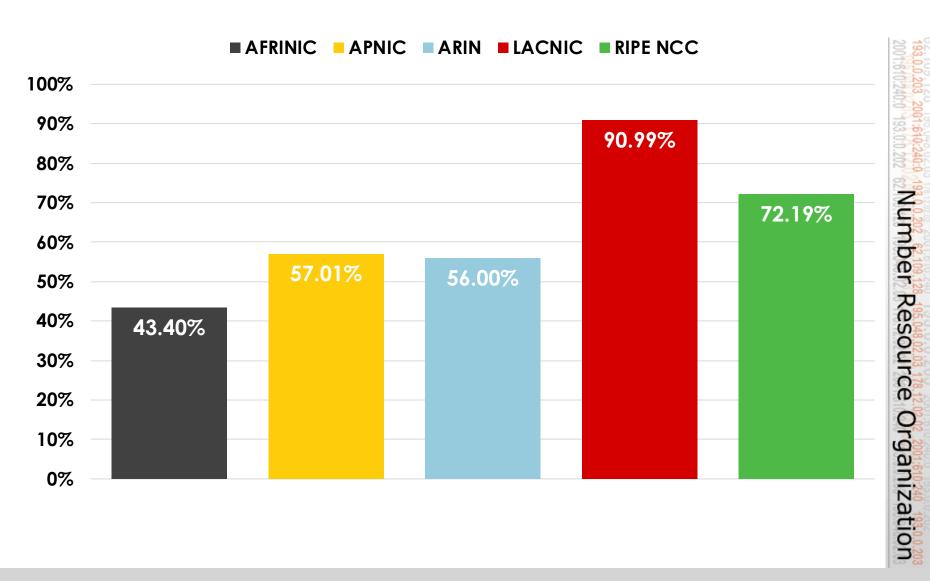
(RIRS TO END-USERS)

How many total assignments have been made by each RIR? (Jan 2002 – Dec 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