IDNIC

NIR Operation Update 2020

David Aditya
IDNIC Hostmaster

Responsibility

IDNIC

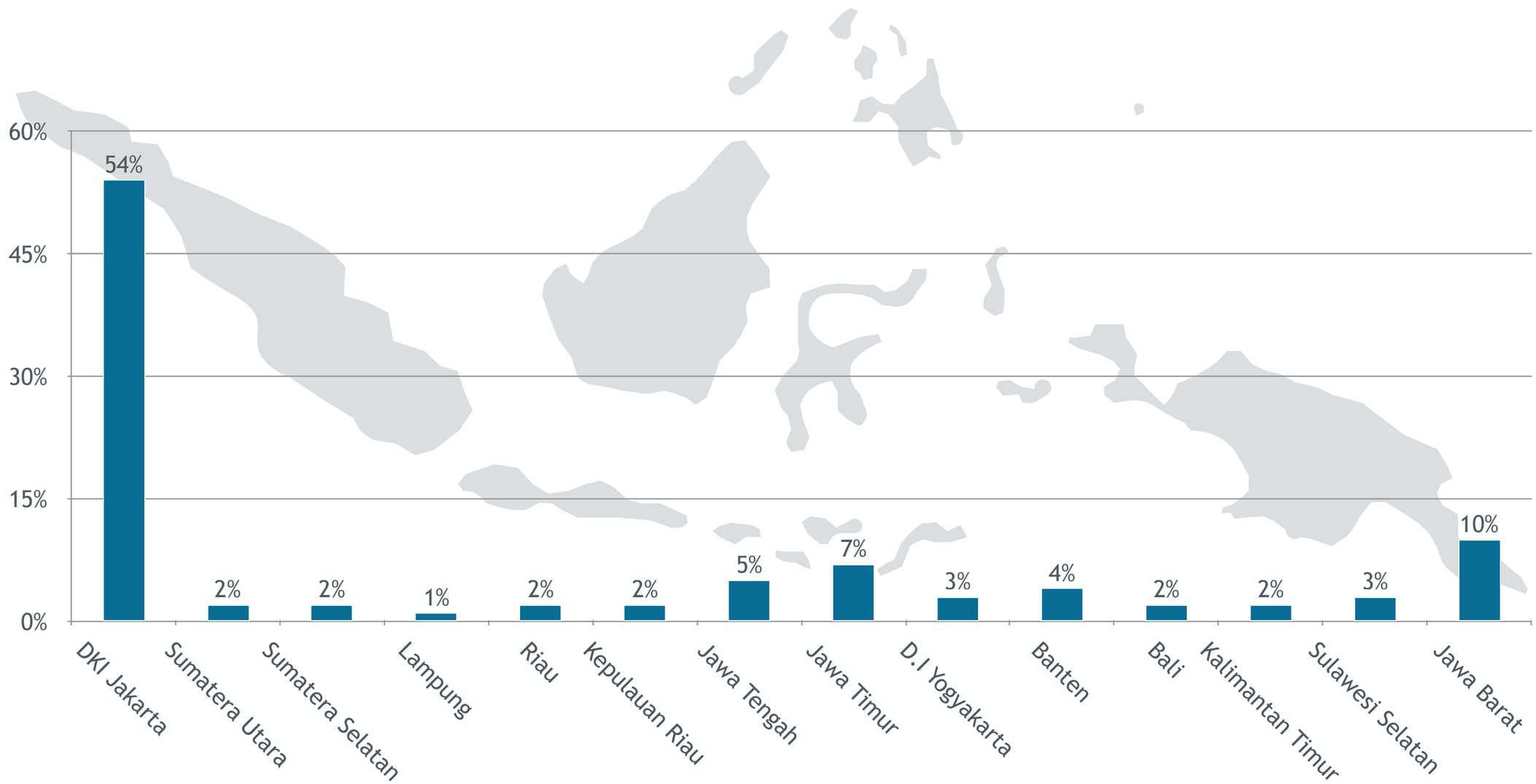
- Manage and distribute internet resource from APNIC
- Serving IDNIC Member
- Supporting National Internet Development
- Training & Workshop
- Cooperating With APNIC

IDNIC

IP & ASN Distribution

IDNIC

Member Distribution



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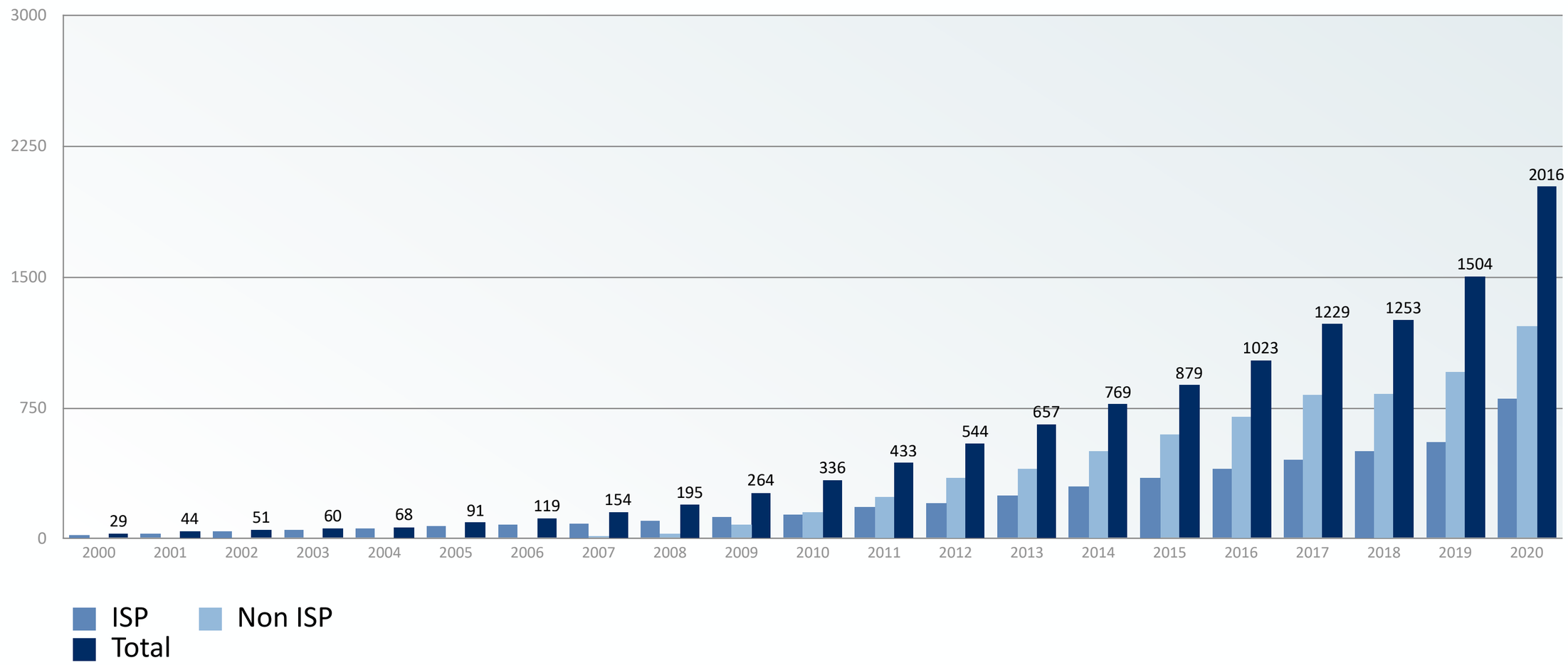
Member Statistics



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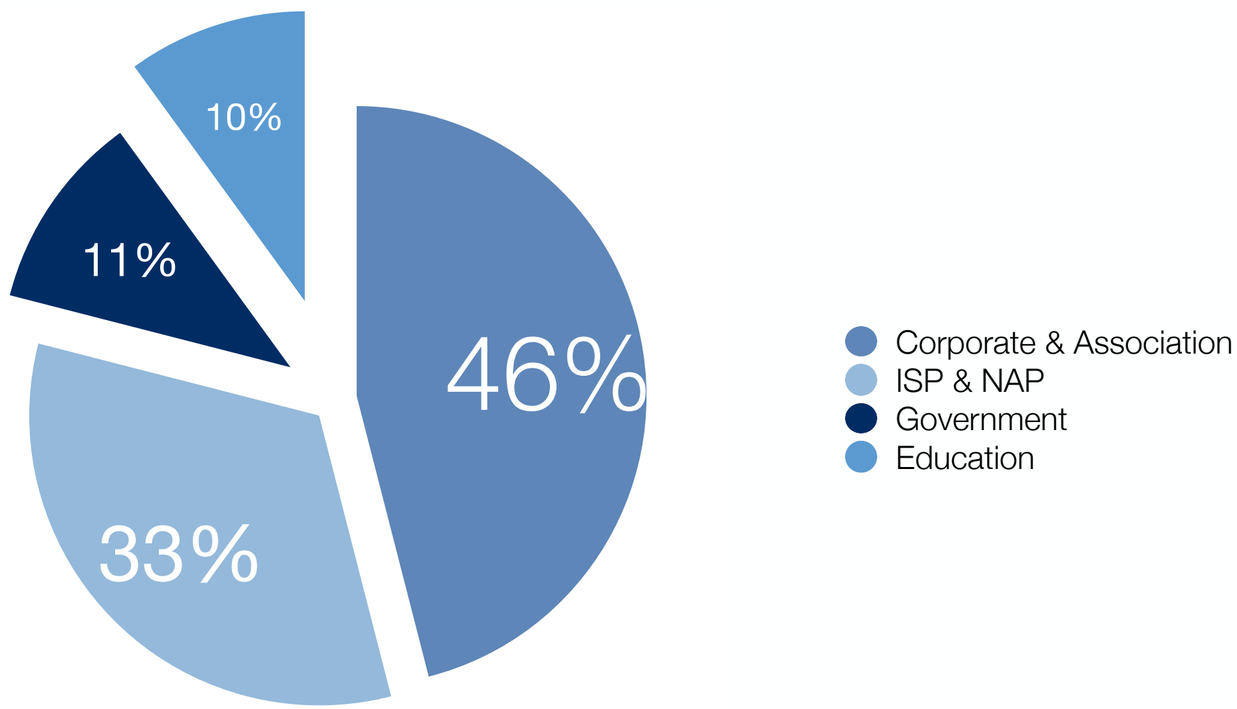
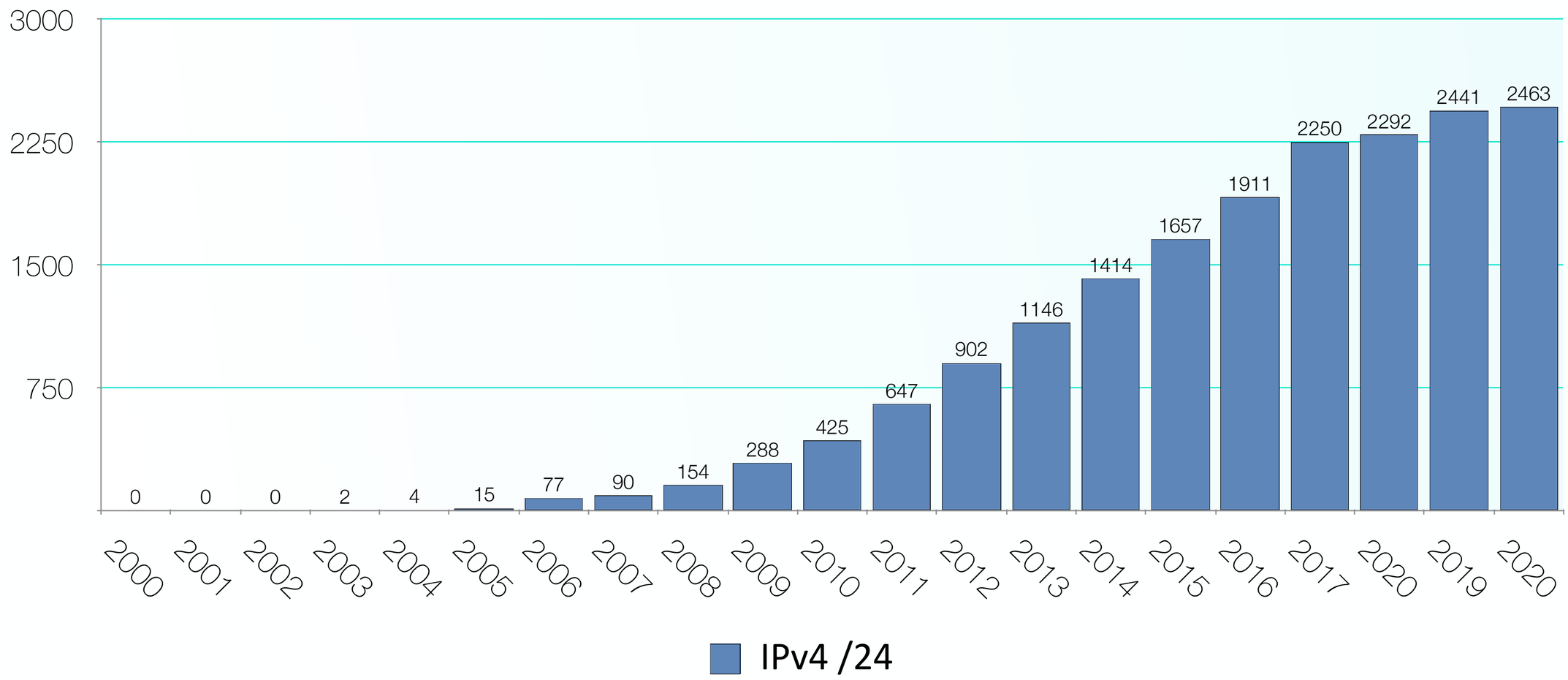
Member Composition



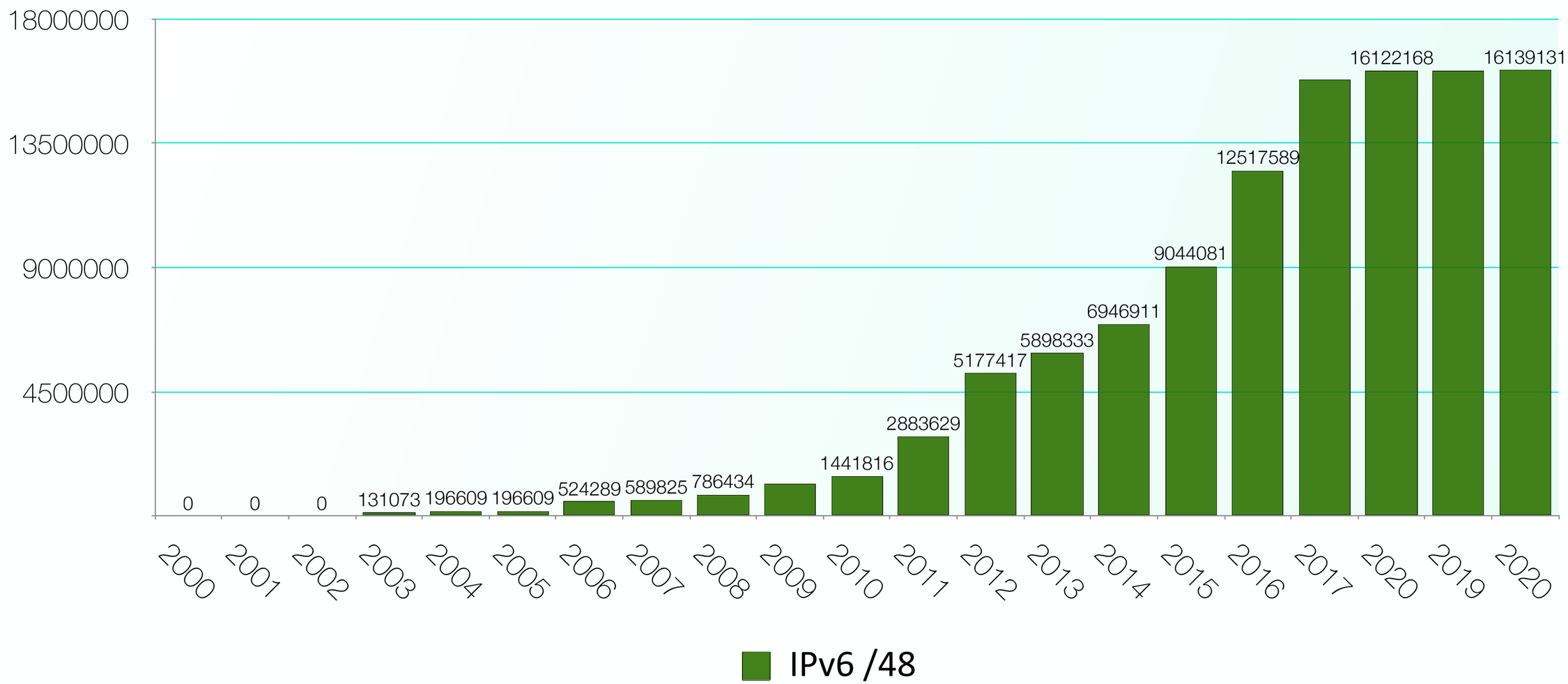
IDNIC

IPv4 Allocation



IDNIC

IPv6 Allocation



IDNIC

Serving Member

IDNIC

Member Service

Our

myIDNIC Portal

myIDNIC is a portal that we dreamed more than 10 years ago. Launched on 2017. Is an online portal for our member to do:

.01
Manage Internet Resource

.02
Whois Update

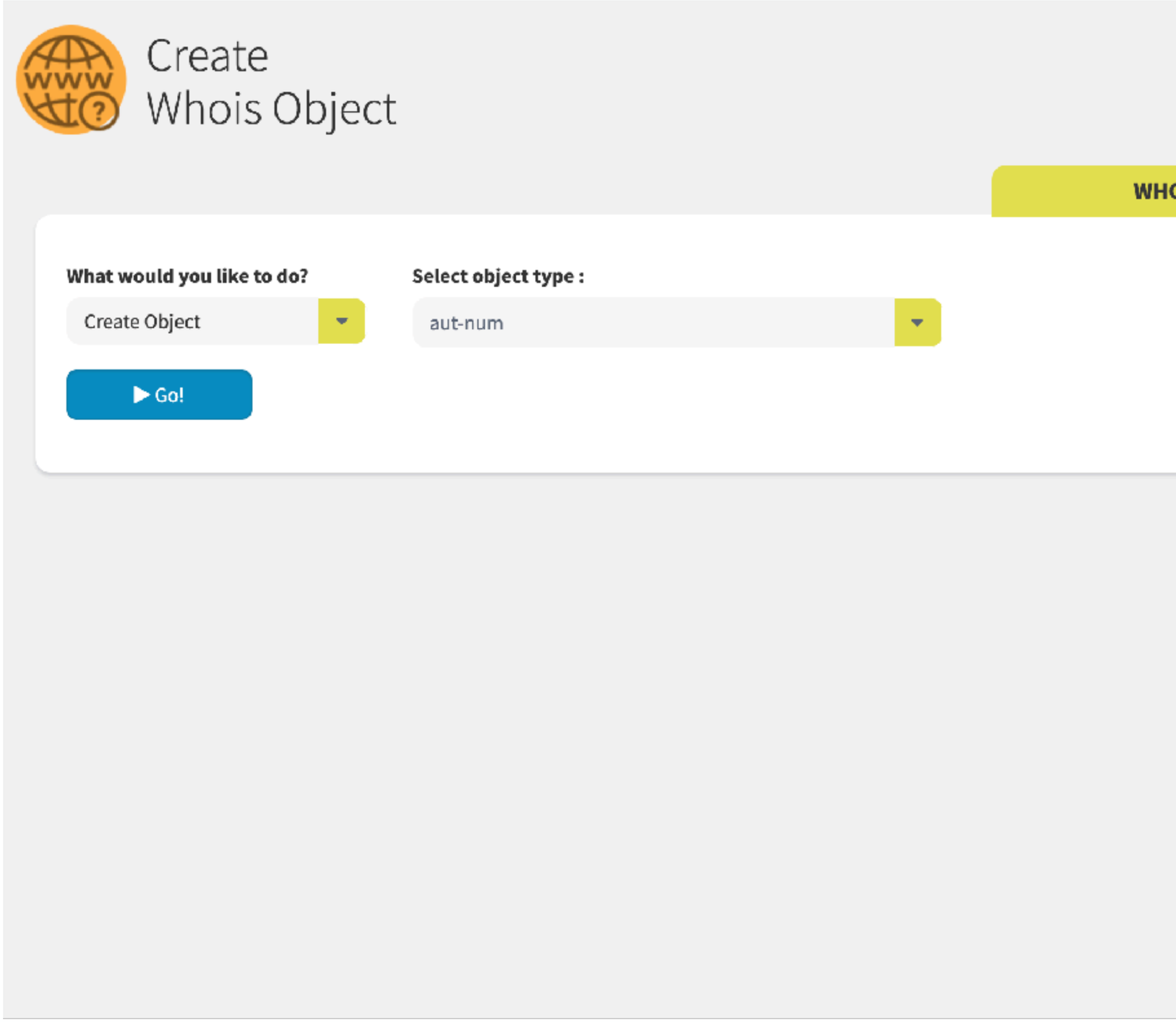
.03
Creating & Managing ROA

.04
Ticketing

myIDNIC

Whois Update

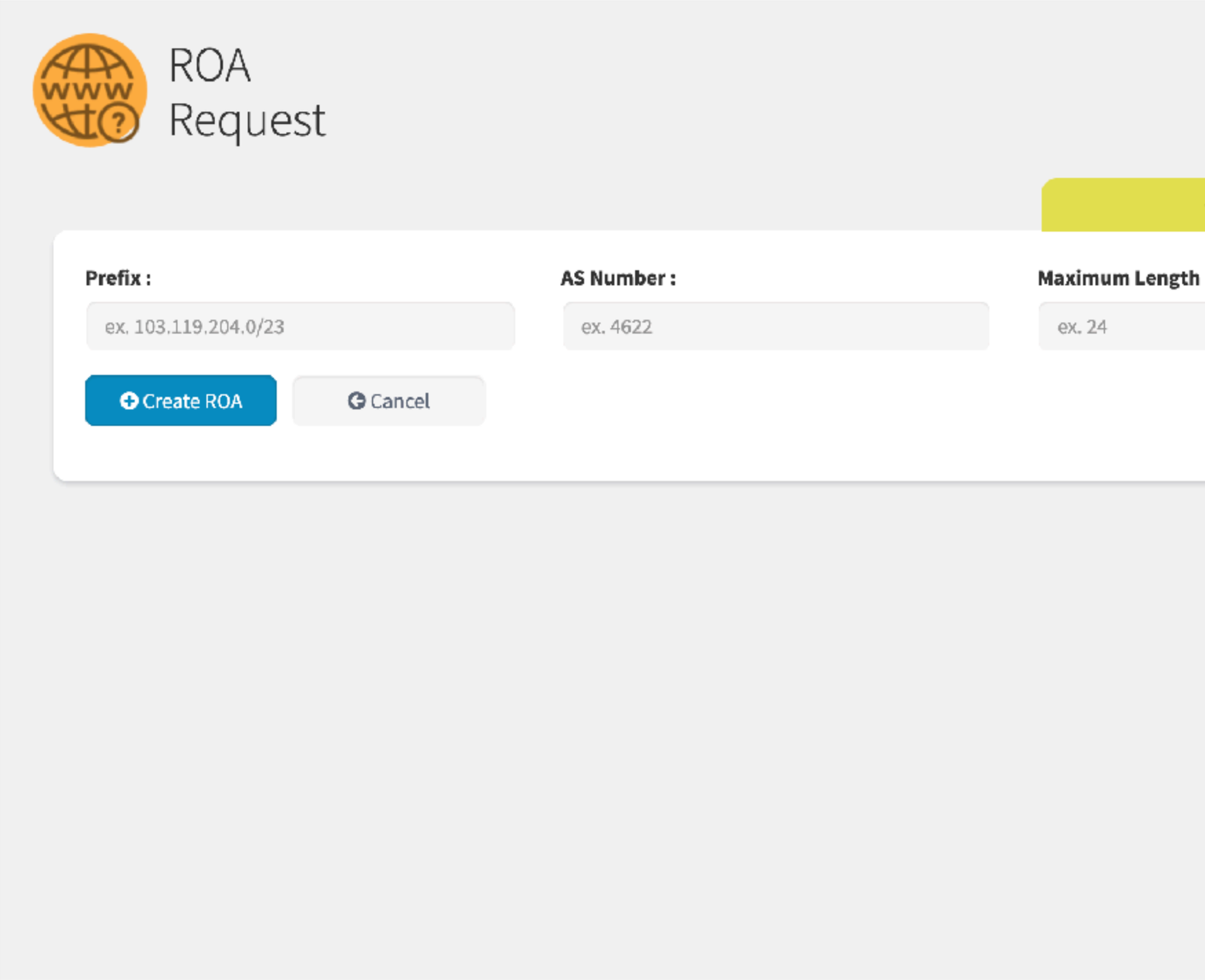
myIDNIC has great UX for members to manage their whois object. IDNIC member able to create, update, or delete whois object via myIDNIC.



myIDNIC

ROA Management

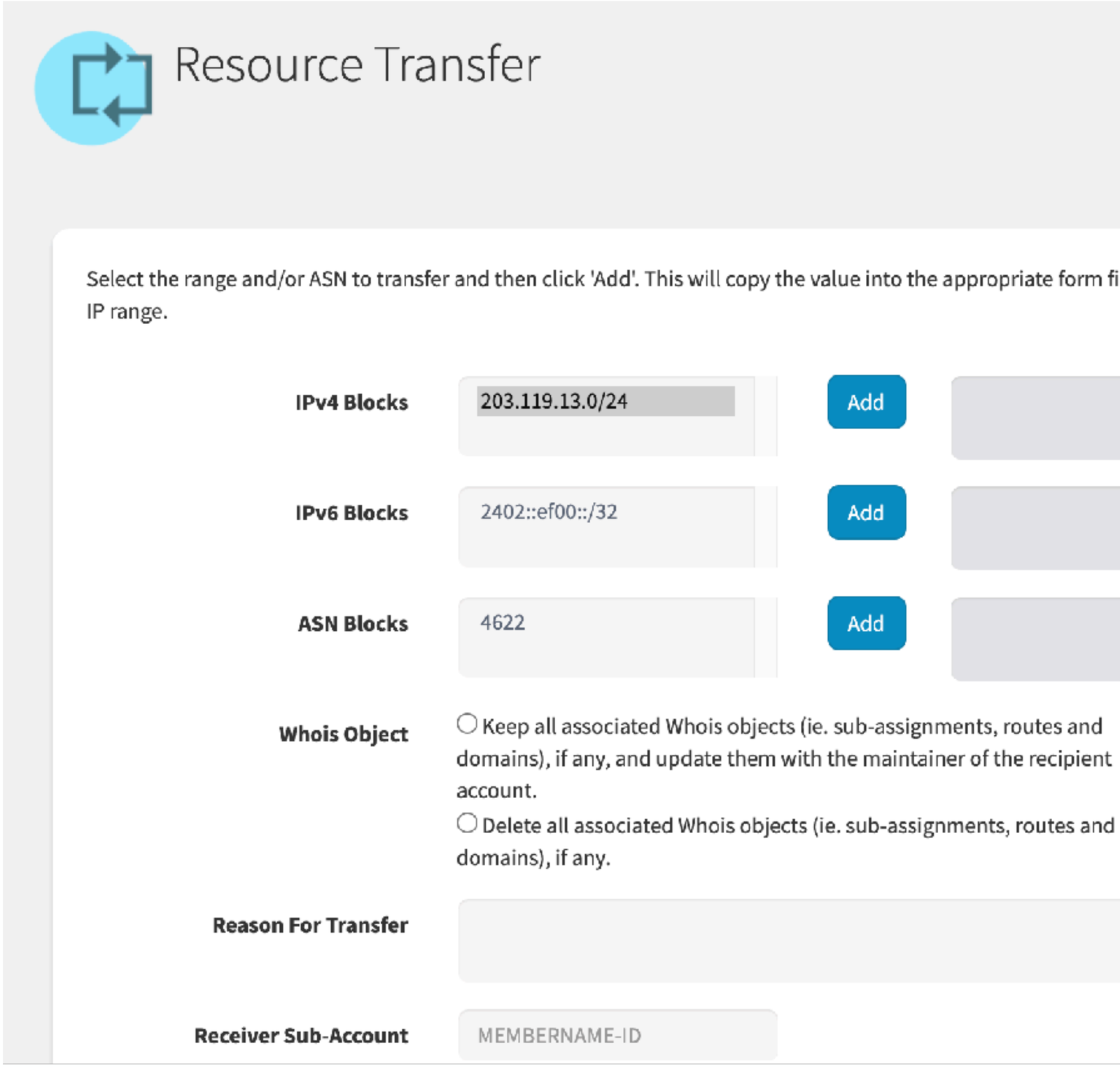
IDNIC member able to manage their ROA from myIDNIC portal. myIDNIC ROA Management also has Max Length feature.



myIDNIC

Resource Transer

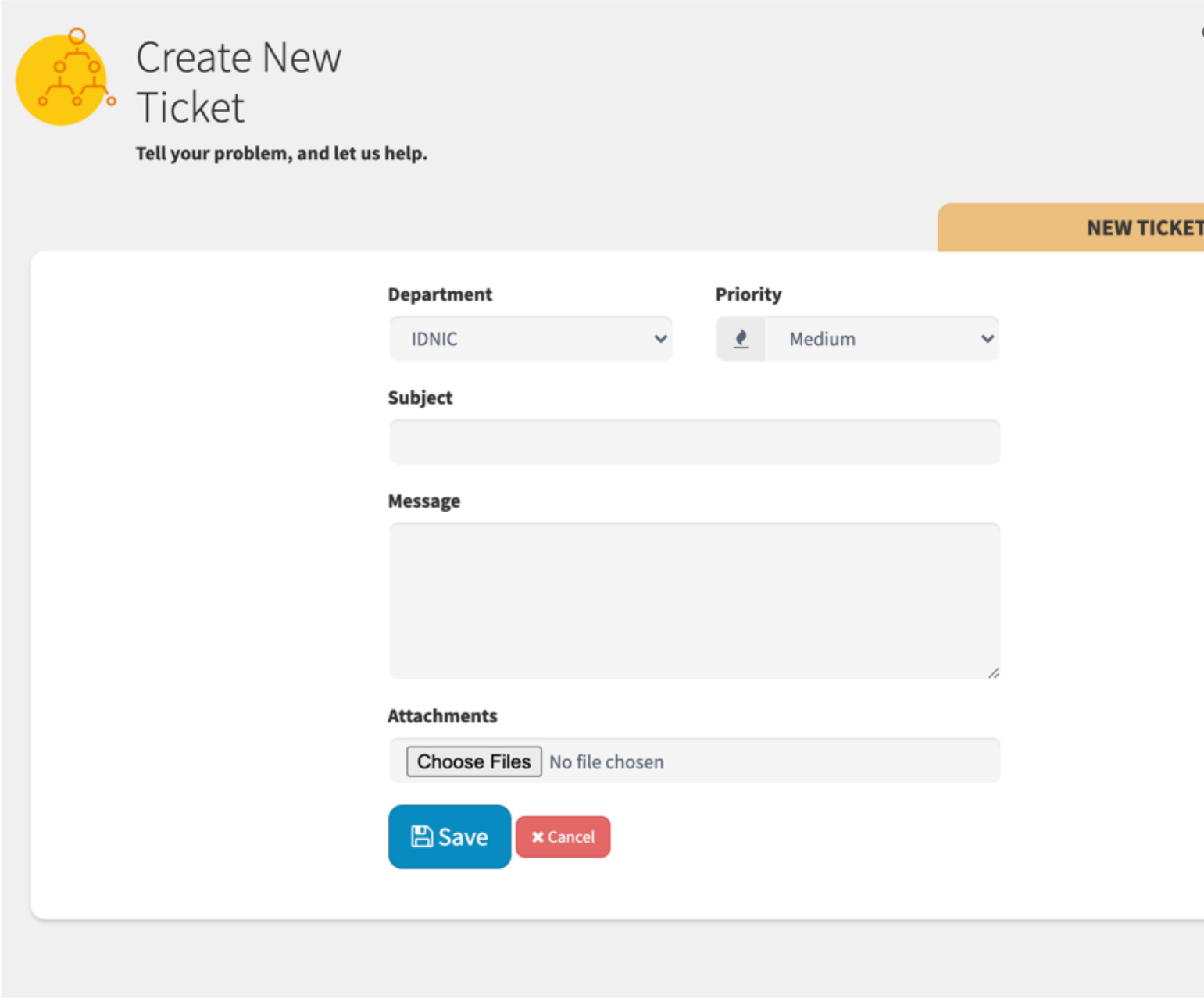
IDNIC member able to transfer their resource from myIDNIC portal. This process make sure data consistency in our registry.



myIDNIC

Ticketing

IDNIC member can reach our Hostmaster & Helpdesk team direcly from myIDNIC.

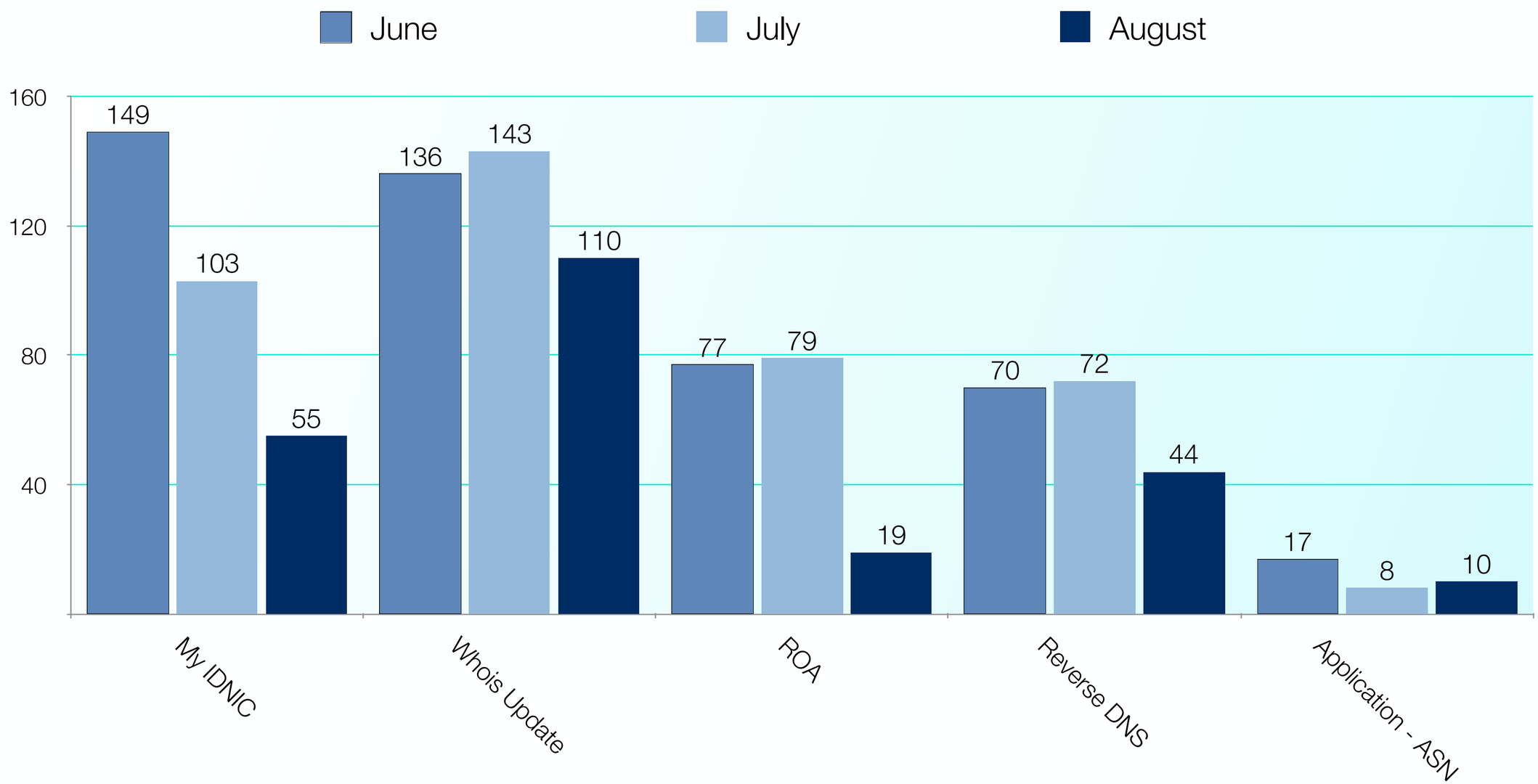


IDNIC

Helpdesk & Hostmaster Operation

IDNIC

Ticket Trend



IDNIC

Product Development

IDNIC

KADABRA

Smart

A smart platform to helps member track their resource on the Internet (KADABRA RIS, KADABRA BGplay)

→

Big Living Data

It's a big living data to helps IDNIC monitor the resources and the distributions in near-realtime timeframe

→

Heterogen Ecosystem

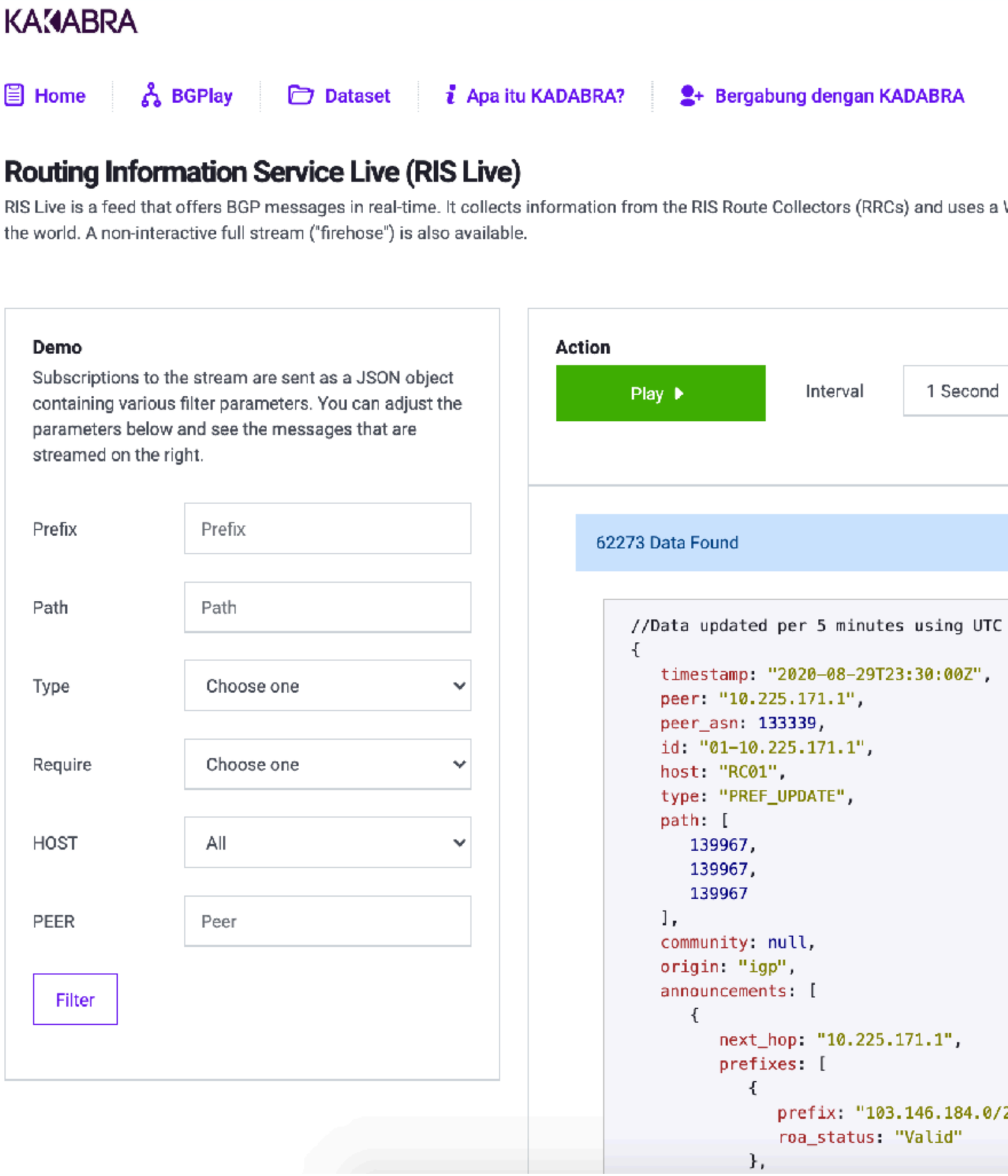
KADABRA built on top of a heterogen ecosystem thats prove that the apps can live in any cloud environment (cloud-agnostics)

→

IDNIC

RIS

A bgp stream platform to provide near-realtime bgp messages and streamed to public using web application. KADABRA is RPKI Compliance, so it can easily track the ROA/RPKI Deployment



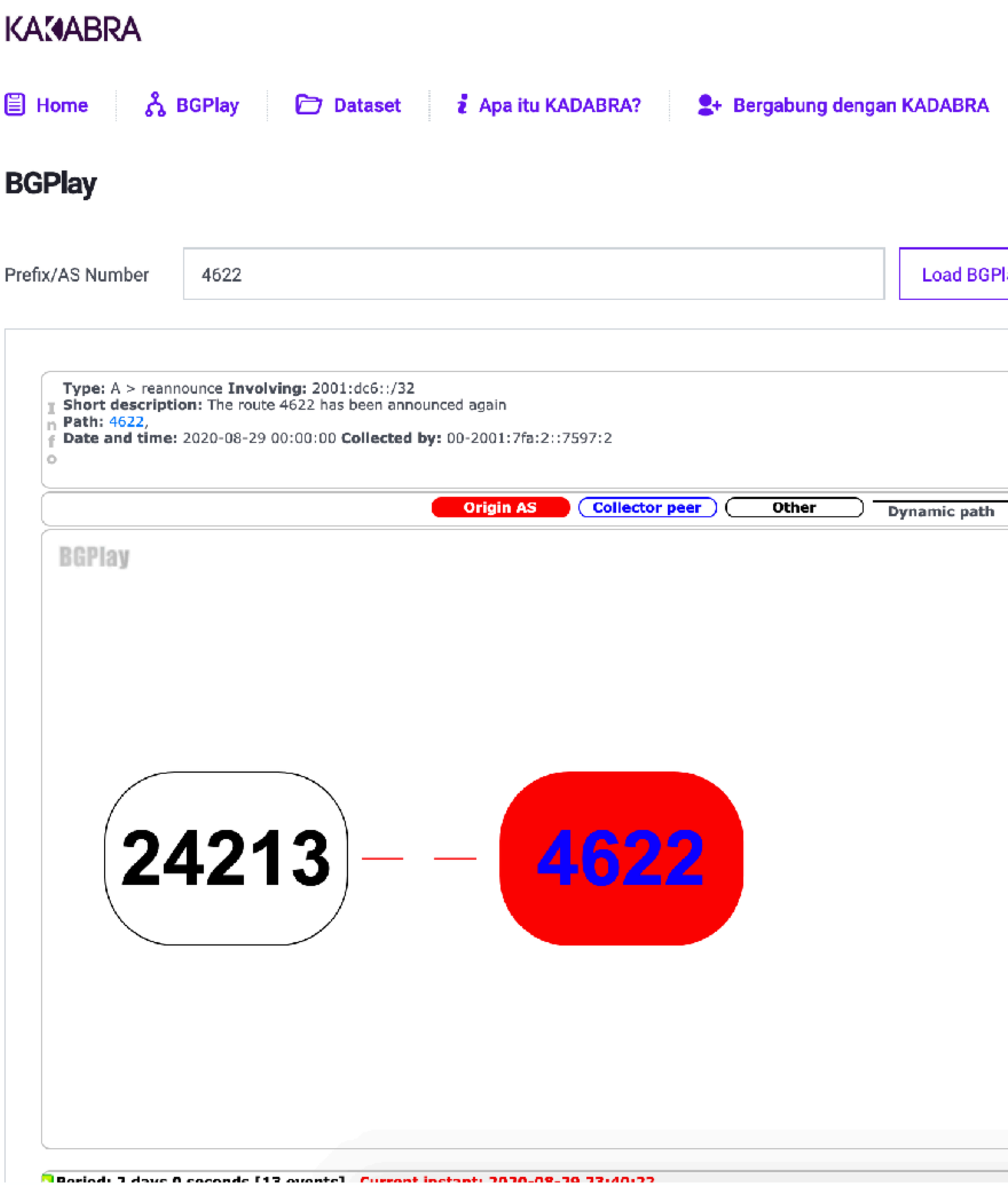
APJII

IDNIC indonesia network information centre

IDNIC

BGPlay

A historical incident platform to record bgp incident in edge level (IXP). This platform is using **RIPE NCC BGPlay**.

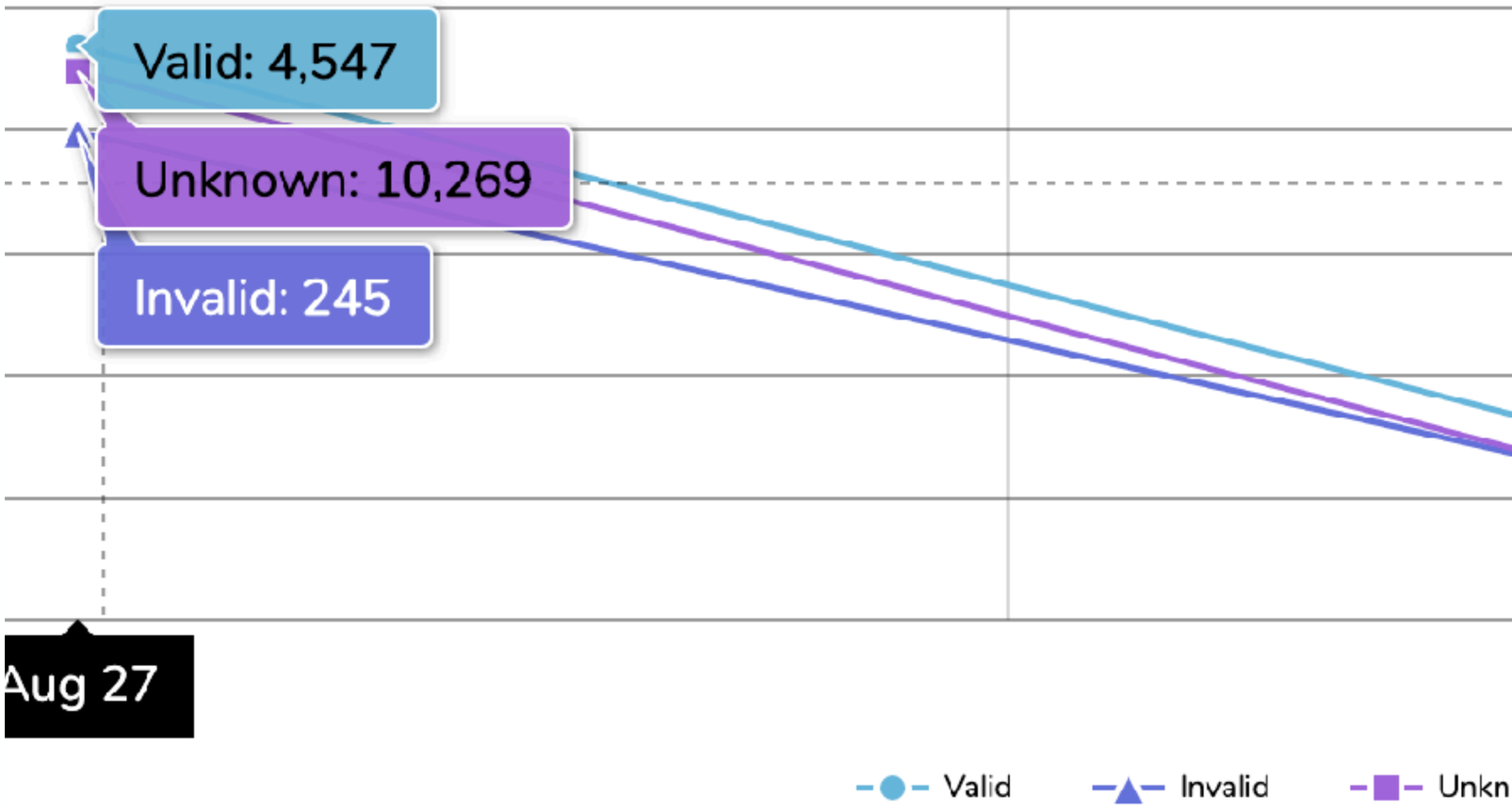


IDNIC

RAGNO

A living data statistics for IDNIC.

Currently, **RAGNO** is still on beta development and expected ready in Q4 2020. It helps IDNIC to track growth of member's resources including IPv4, IPv6, ASN and RPKI Deployment growth.



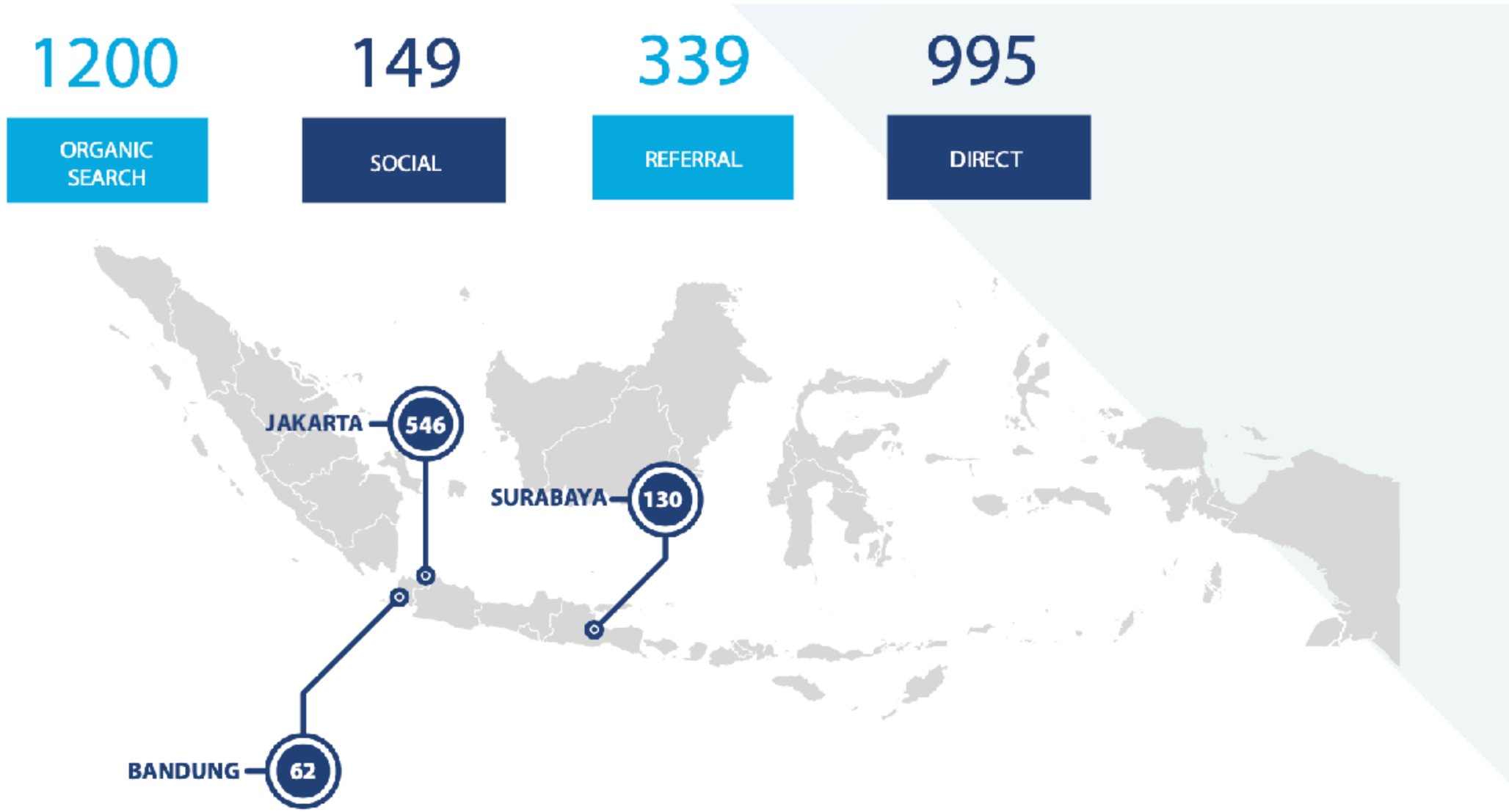
APJII

IDNIC indonesia network information centre

IDNIC

Digital Communication

Impression

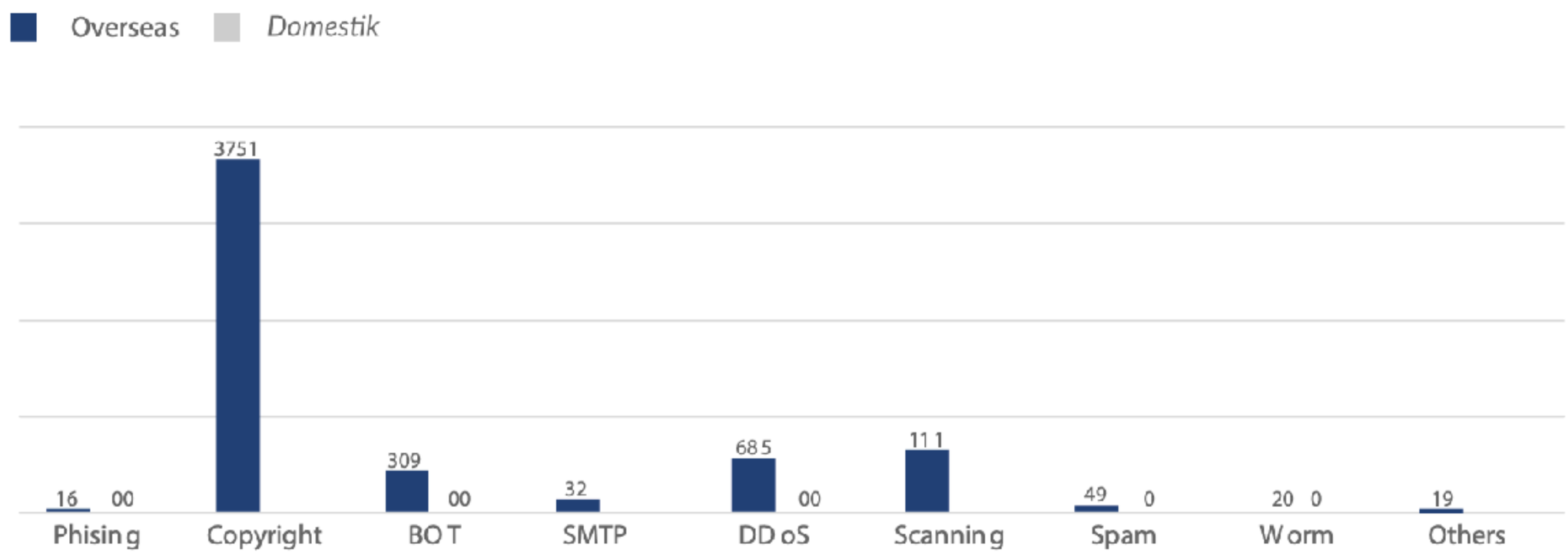

1200
ORGANIC SEARCH
149
SOCIAL
339
REFERRAL
995
DIRECT
JAKARTA
546
SURABAYA
130
BANDUNG
62

IDNIC

CERT

IDNIC

CERT


Overseas
Domestik
16
00
3751
309
00
32
685
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111
49
0
20
0
19
Phising
Copyright
BOT
SMTP
DDoS
Scanning
Spam
Worm
Others

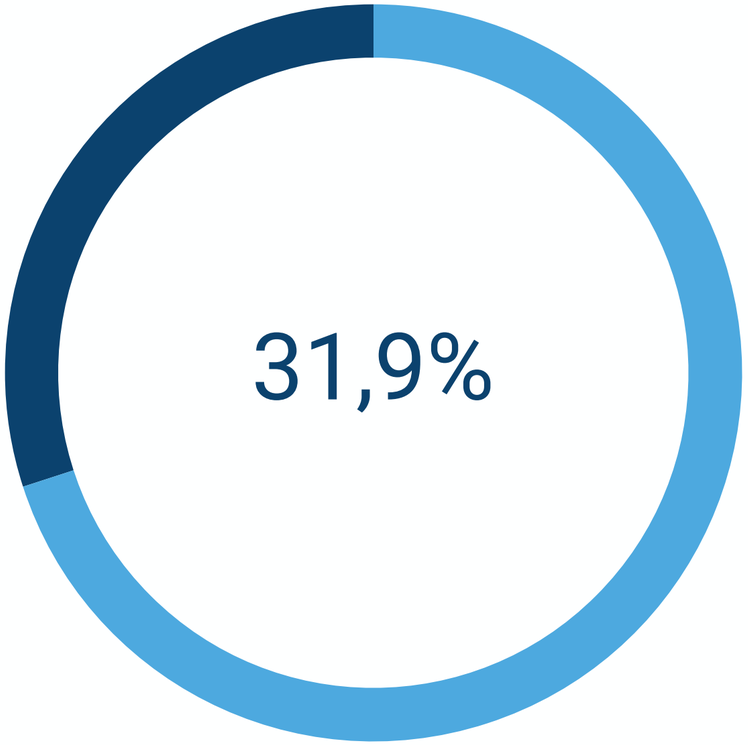
IDNIC

Supporting National Internet Development

IDNIC

RPKI Coverage

IDNIC RPKI Coverage is increased from **0,3%** last year to **31%** this year. IDNIC member now can create ROA from myIDNIC portal.



IDNIC

RPKI
Pilot Project

IDNIC successfully deployed RPKI pilot project on UNY-IX, it peers consists of Universities, Government, and ISP.

Now it's the first IXP in indonesia who drop invalid ROA

PeeringDB

Search here for a network, I

Advanced Search

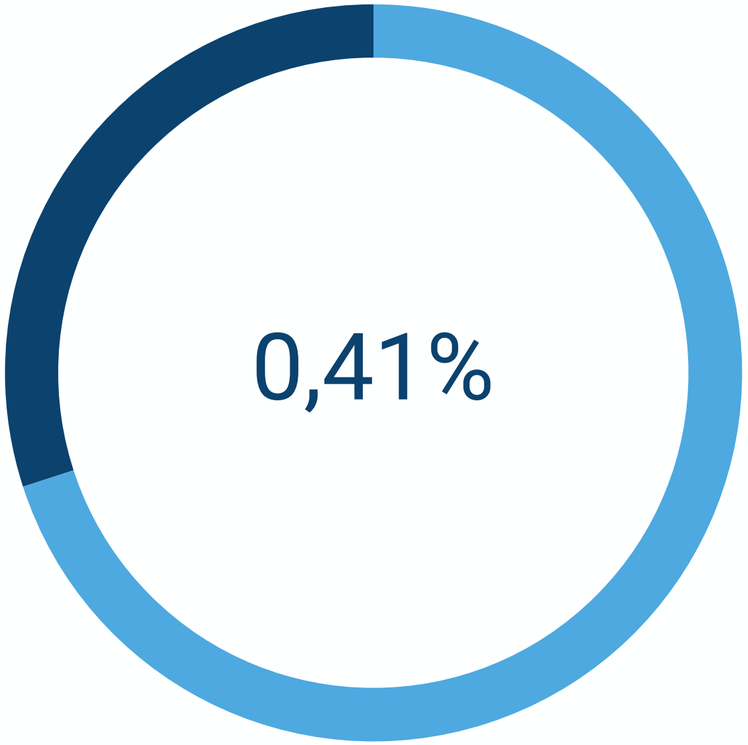
UNY-IX

Organization	Universitas Negeri Yogyakarta
Long Name	Universitas Negeri Yogyakarta Internet Exchar
City	Yogyakarta
Country	ID
Continental Region	Asia Pacific
Media Type	Ethernet
Protocols Supported	Unicast IPv4 Multicast IPv6
Last Updated	2020-08-31T01:09:11Z
Notes	**UNY-IX (AS55700) is an open internet excha located in Universitas Negeri Yogyakarta.** **UNY-IX drop INVALID ROA** The main goal is to offer interconnection for it i free of charge without membership or port fees costs. *Physical Connections* 1. Copper 1Gbps 2. Fiber 1Gbps, 10Gbps or 40Gbps

IDNIC

IPv6 Readiness

Current status of IDNIC IPv6 is waiting for the **“Big Player”** to implement IPv6.



IDNIC

Training & Workshop

IDNIC

Webinar

IDNIC Workshop During COVID-19 Pandemic

During COVID-19 pandemic, IDNIC replacing Worskhop program with webinar. We run webinar on zoom platform, with virtual hands on lab.

Total Series	Total Event	Total Participant	Livestream Viewers
3	12	424	2,284

IDNIC Webinar

Hands On Lab

We use GNS3 platform for virtual hands on lab. Webinar participant can access the lab remotely via a jumpbox.

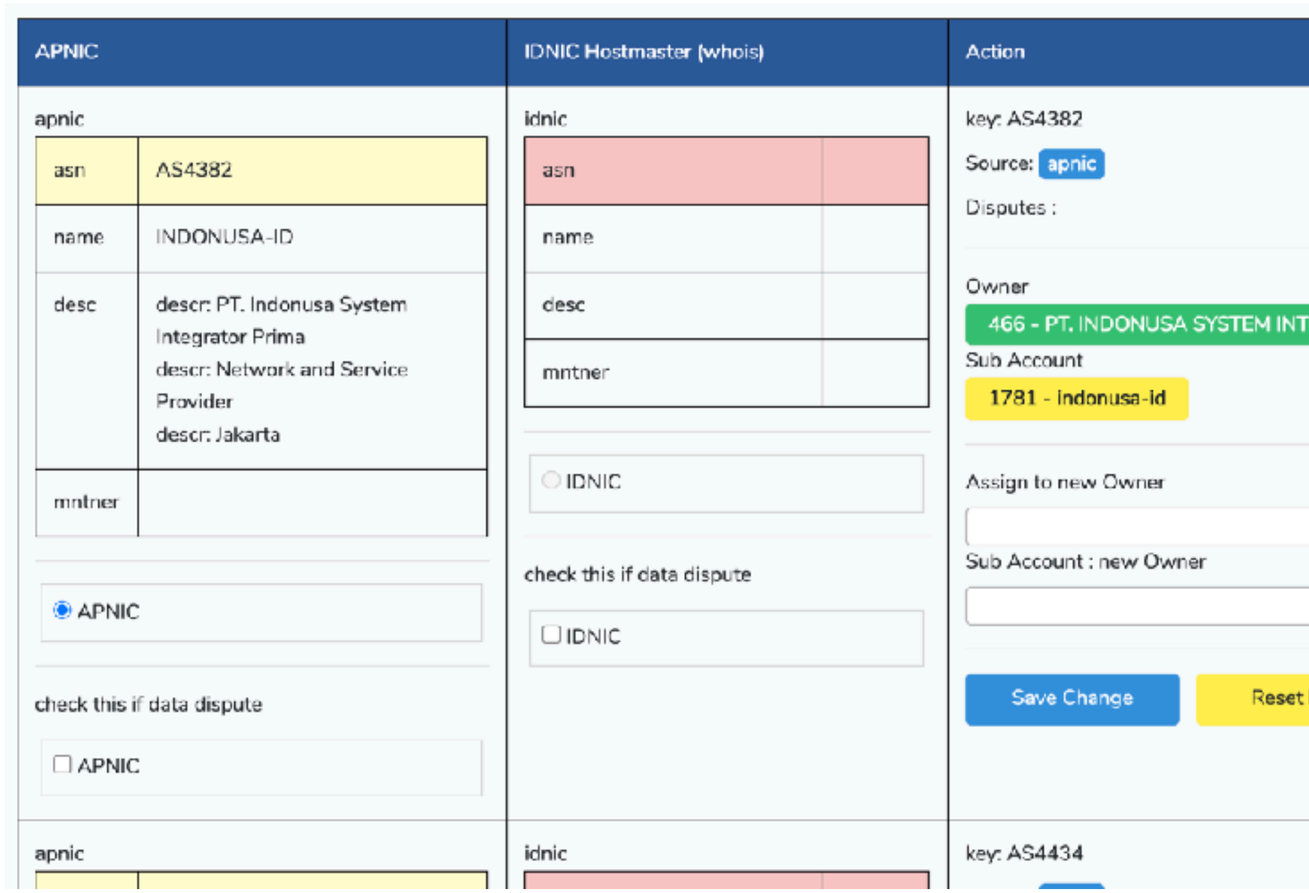
IDNIC

Cooperation With APNIC

IDNIC

ASN & Subaccount Reconciliation

Currently ASN allocation on myAPNIC doesn't belongs to subaccount. IDNIC is coordinating with APNIC to reconcile ASN and assign ASN allocation to a subaccount. **We develop a custom web portal to do ASN reconciliation process.**



Thank you!