Asosiasi Penyelenggara Jasa Internet Indonesia
INDONESIA INTERNET SERVICE PROVIDER ASSOCIATION

IDNIC
indonesia network information centre

IDNIC NIR OPERATIONS 2021

APNIC 53 | 1 March 2022

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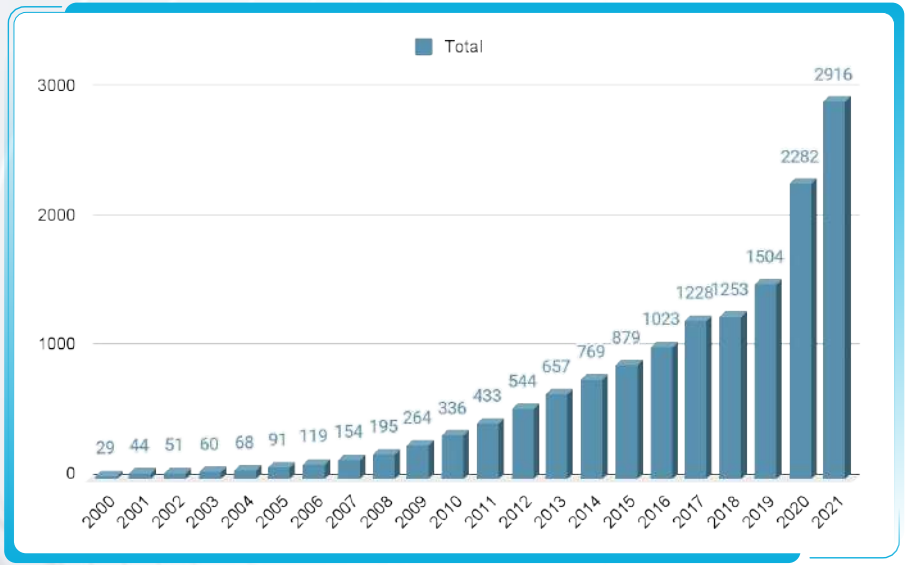
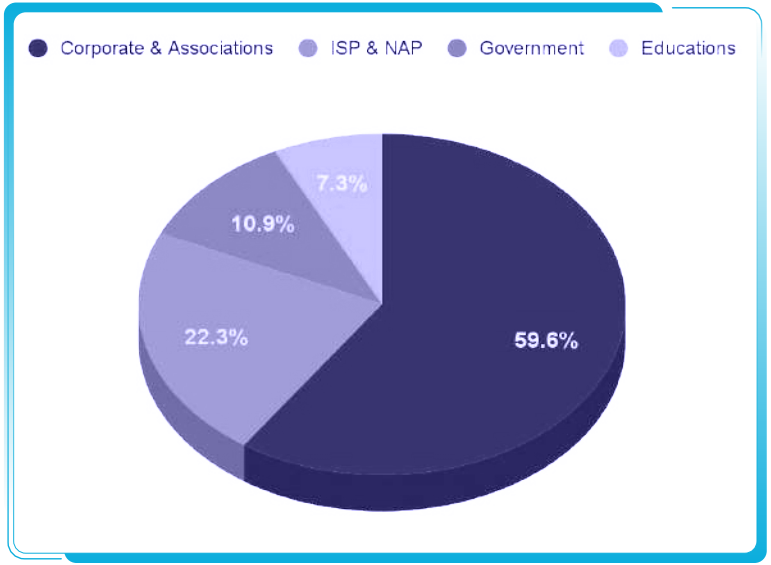
Member Growth and Statistics

IDNIC Members

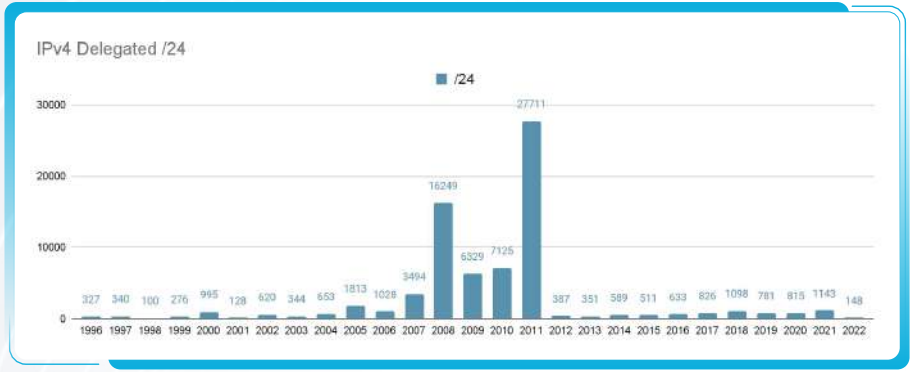
Updated data: December 2021

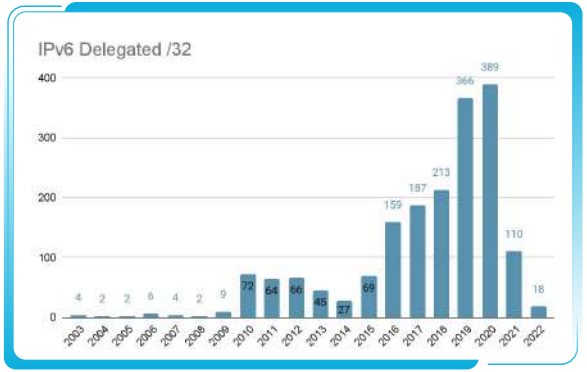


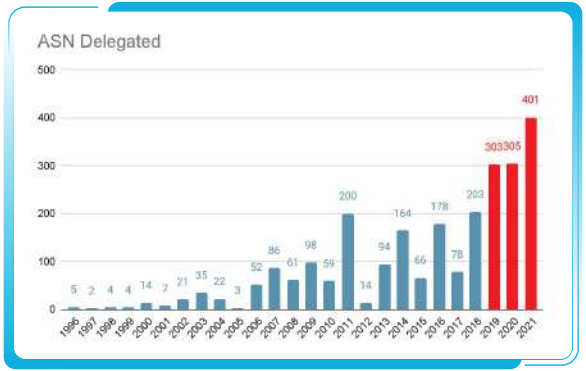
IDNIC Members Segmentation



IP & ASN Delegation







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NIR Services

myIDNIC

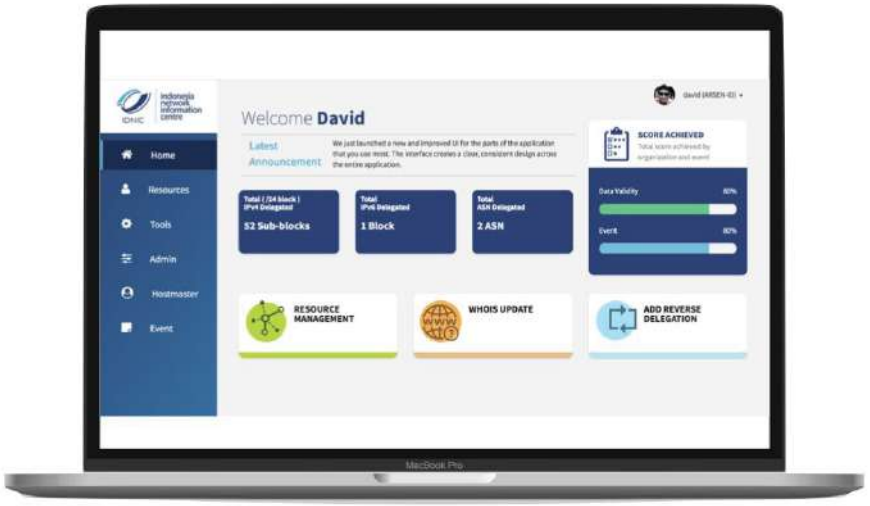
Online Portal for IDNIC members

IRR

MyIDNIC

Whois

RPKI

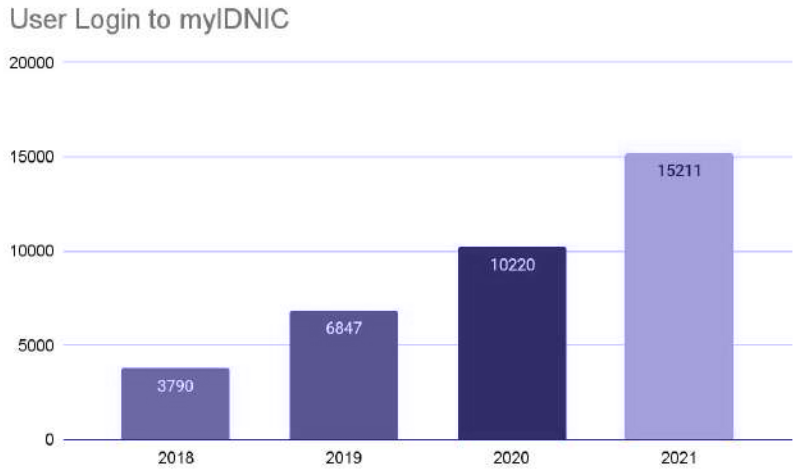


myIDNIC

A member portal that is useful for managing Internet resources, updating contact information, and receiving IDNIC services online.

- Update Whois
- Create Route Object
- Reverse DNS
- Manage Internet Resource (IPv4, IPv6, ASN)
- Suballocation
- NIR API Integration — Upcoming

myIDNIC total logins



IDNIC NIR API Test

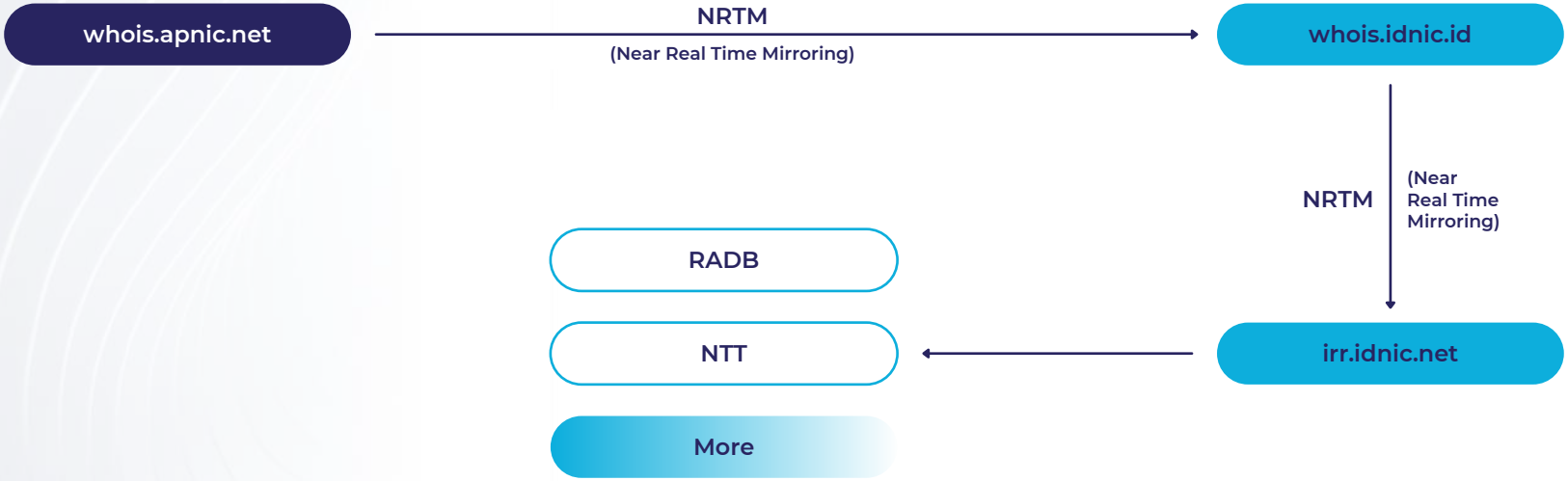
Some questions after trial with NIR API

1. Entities can’t be crated to whois automatically
2. How to create IRT objects via API
3. Detailed schema e.g Creating Sub-account on API Docs is different with we seen on myAPNIC
4. When delegating resources is it required to both define jCard & Whois Template?

Recommendations (Feature Request)

1. Returning sub-account resources via API call
2. **Assign ASN to sub-account**

IDNIC IRR


whois.apnic.net
NRTM
(Near Real Time Mirroring)
whois.idnic.id
NRTM
(Near Real Time Mirroring)
RADB
NTT
More
irr.idnic.net

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RPKI Update

RPKI

Single Node RPKI Publication repo-rpki.idnic.net (IPv6 Capable)

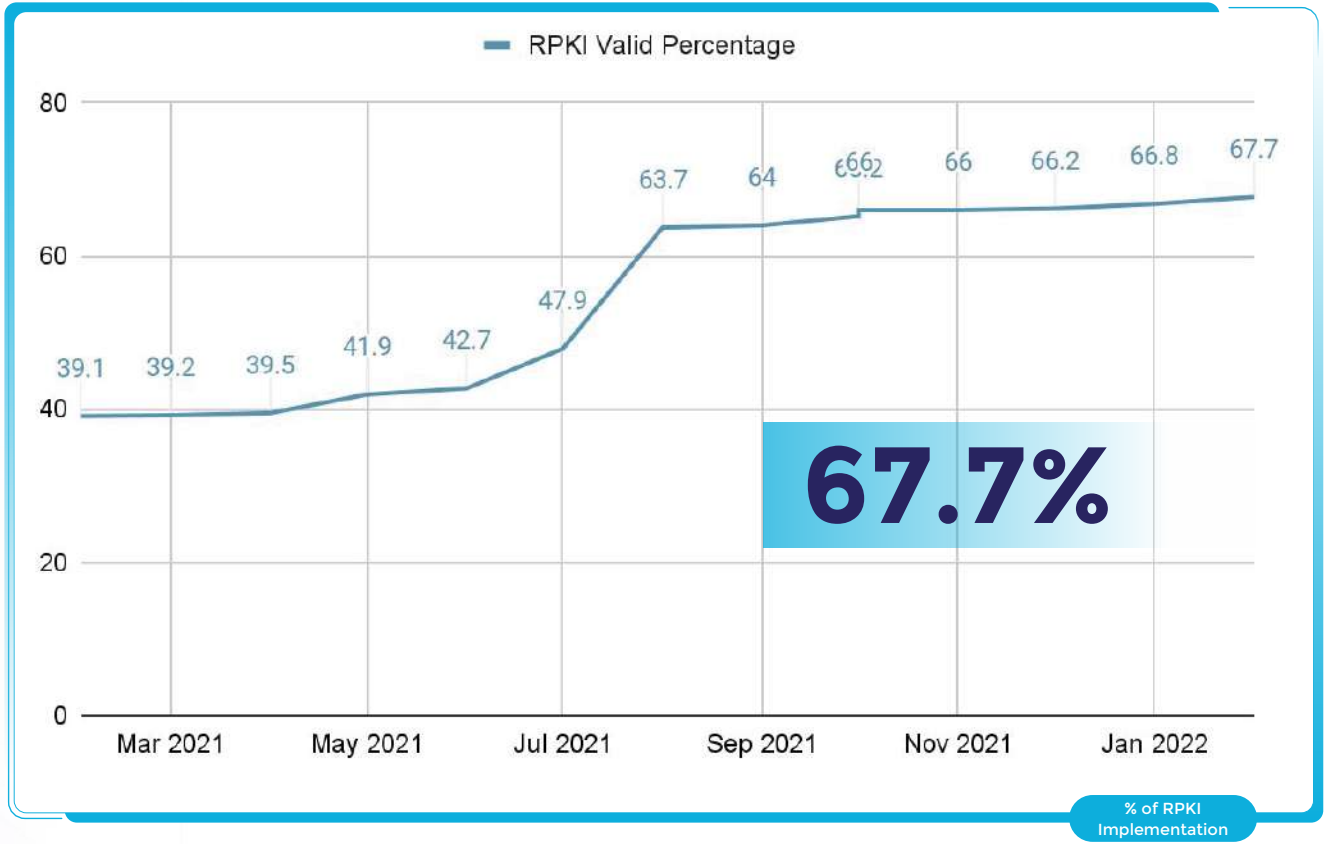
in Production since November 2019.

Indonesia RPKI Coverage **67,2%**

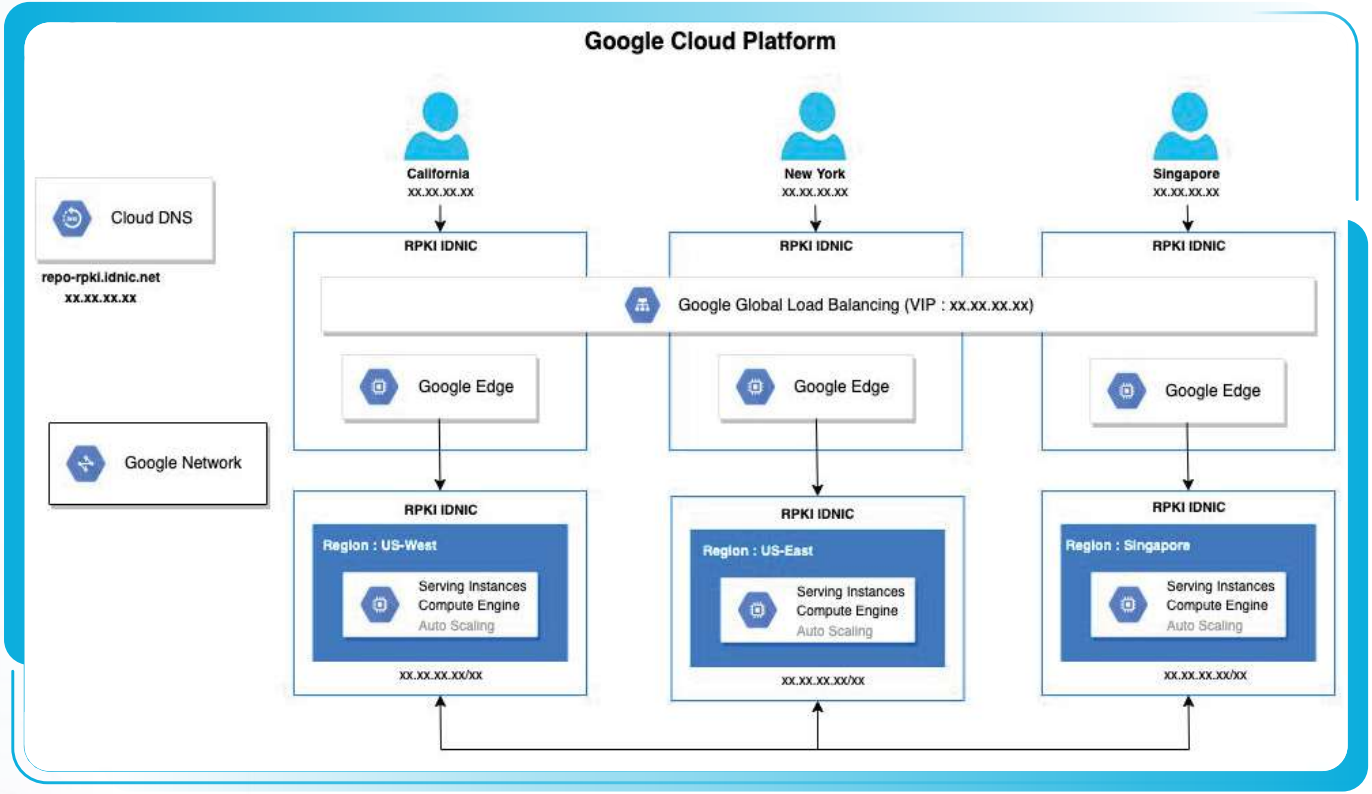
Total CA	VRPs	Peak Traffic
761	5732	234Mbps

RPKI Implementation Progress

Updated data: January 2022



RPKI Redundant



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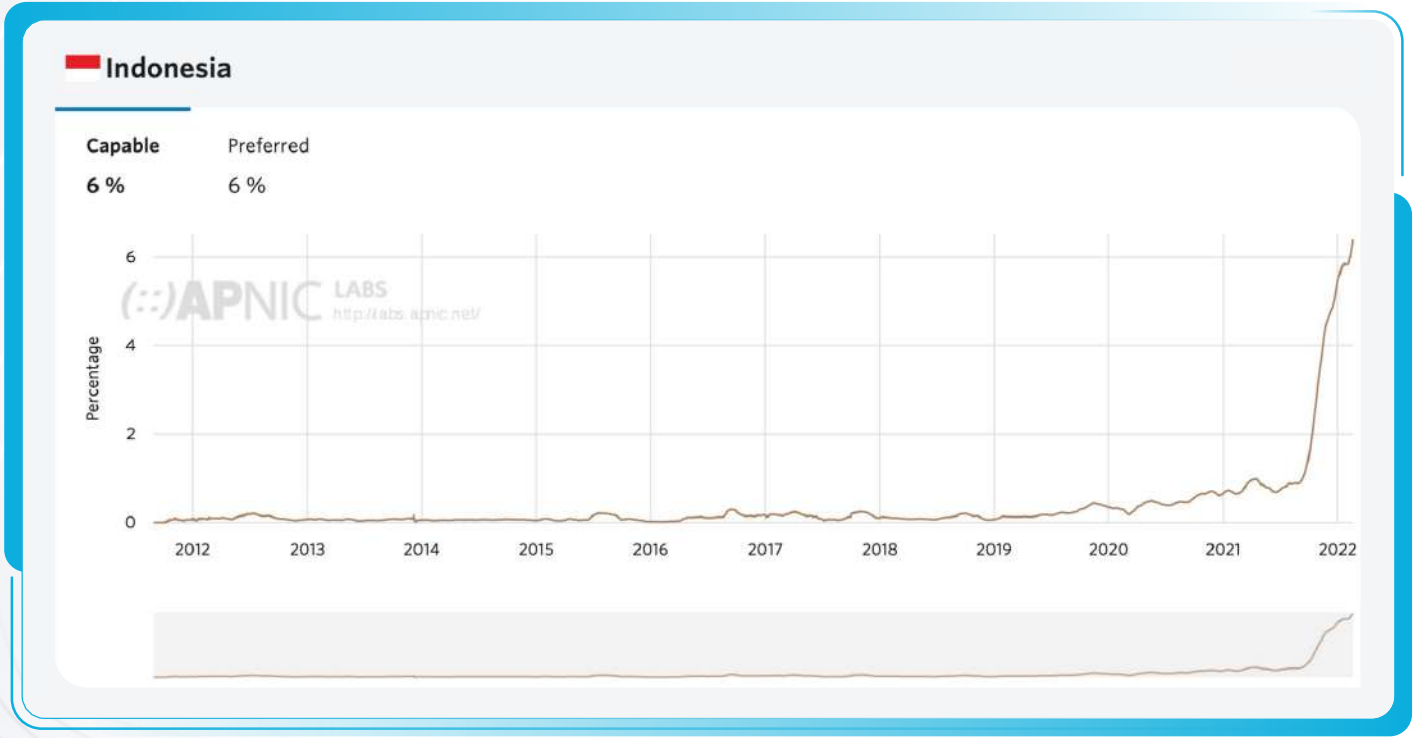
IPv6 Update

IDNIC IPv6 Update



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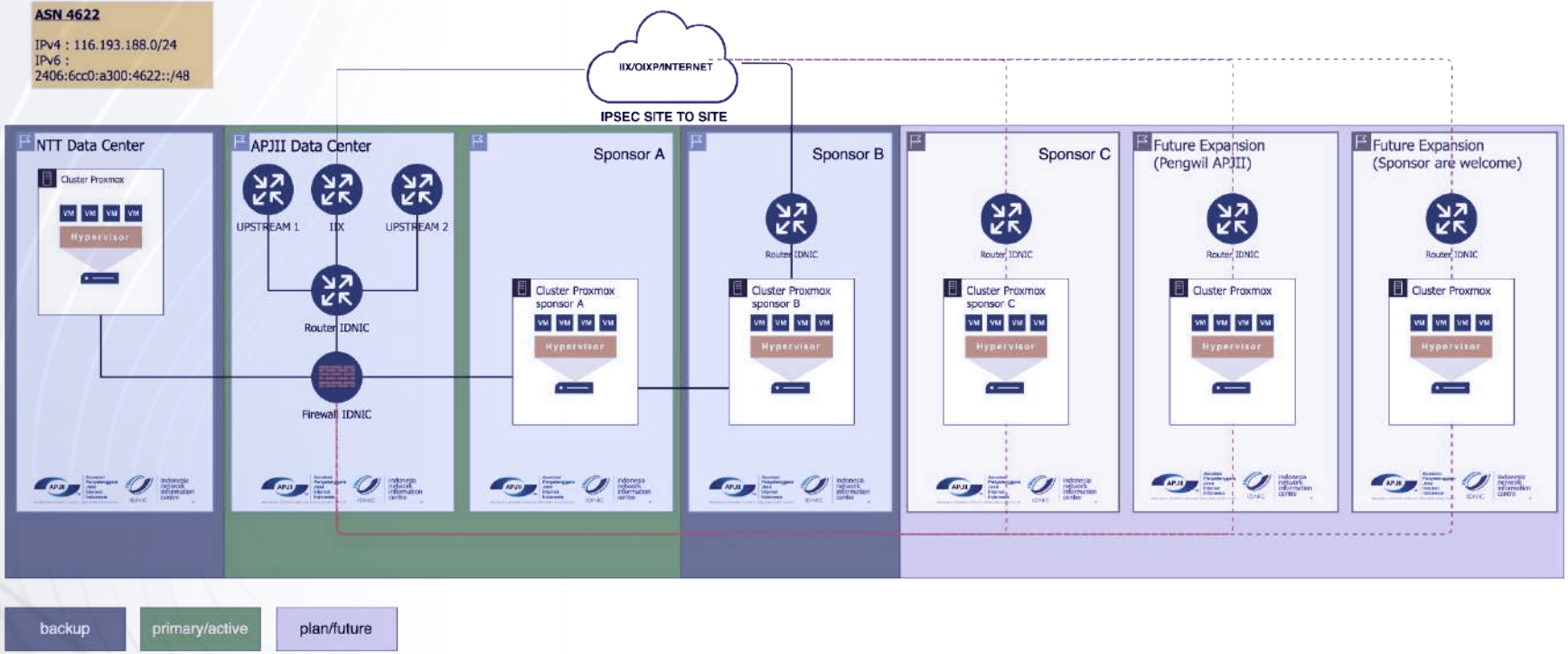
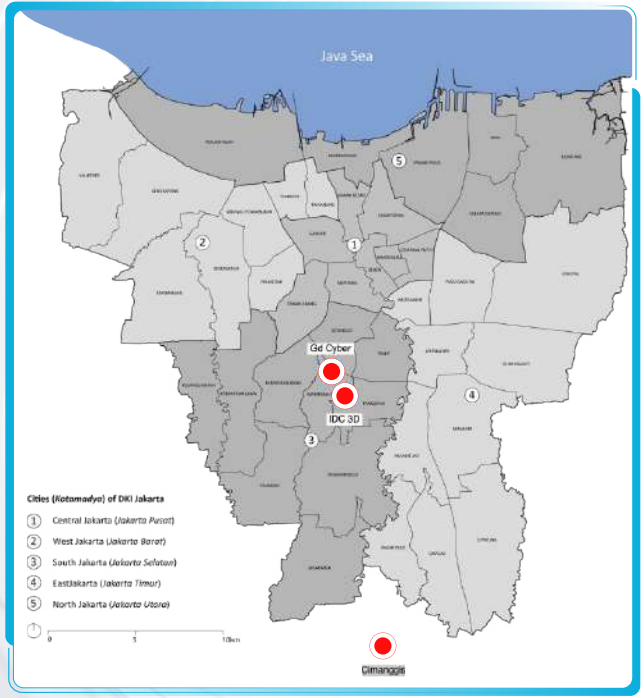
Arsitektur Infrastruktur - IDNIC



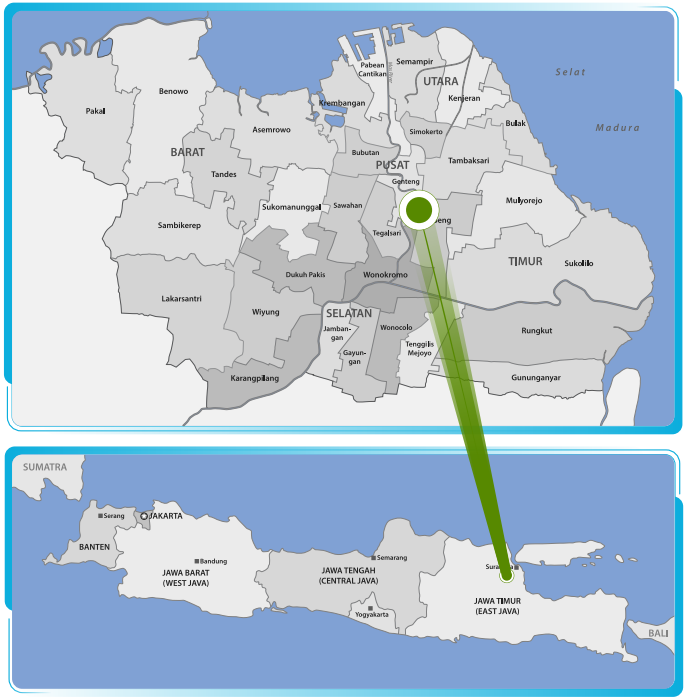
Existing Infra (West Java)

IDNIC-APJII DC | IDC 3D DC | BiznetGIO DC (WIP)



Planned Infra (East Java)

Surabaya (WIP 2022)

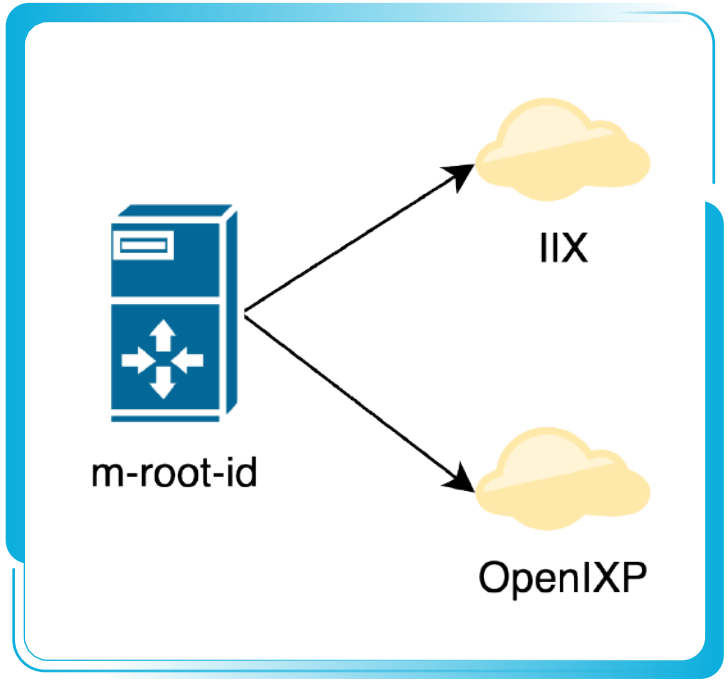


M-ROOT DNS

- MOU Signed Oct'21
- Delivery Planned Jan'22
- Delayed because of chip shortage

- Planned location Jakarta
- Connected IXPs
  - IIX
  - OpenIXP

- Current status
  - Server - Arrived
  - Switch - Waiting for delivery



IDNIC Contact for Infrastructure

Telegram

@infoidnicapjii/ +62 821-1349-0334

(Work Hour: 09:00 - 18:00 GMT+7)

Outside Work Hour

Email

infra@idnic.net

Phone

+62 8155-000-332 (Budi)

+62 812-8464-0642 (Nico)

+62 896-8222-6041 (Arie)

Operational Hours

09:00 - 17:00 GMT+7

Address

Asosiasi Penyelenggara Jasa Internet Indonesia
Cyber Building 6th floor Jl. Kuningan Barat No 8
Jakarta 12710, Indonesia

Email

helpdesk@idnic.net
hostmaster@idnic.net

Telephone

(+62) 21 5296 0634

Fax

(+62) 21 5296 0635

IDNIC @idnic.id @infoidnicapjii

www.idnic.net

Product Development

Dewangga Alam

Akhmad Taufik Hidayat

Development

Milestone

- Build and sync all IDNIC-APJII Services into a unified login
- Provide comprehensive monitoring and reporting to all IDNIC Member
- Integration with all external services outside IDNIC (government, private sector, commercial)

Integration

Milestone

- Integrate with existing or new services both internal IDNIC-APJII and external
- Provide data both commercial and non-profit organizations

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IDNIC Academy

Update From 2021

509
Users
There are 305 users registered as non-user myidnic.

8
Course Material
Total additional published material on the Academy portal

651
Student
Total learners on all materials.

250
E-Certificate
Total E-Certificates that have been obtained by the user

Plan 2022

Development
IDNIC Academy Feature Development

- Single Dashboard User Profile And Integration With Kyu
- 2 Way Learning System
- Material Request

Course Material
Planning of learning materials

Etc
Social media, Groups/Forums

- IDNIC Academy Material Teaser
- Account Expansion & Social Media Content (Tiktok, etc)
- Join / join more groups/forums to introduce IDNIC Academy

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Service Gateway

What is KYU?

Kyu is IaaS (Integration as a Provider) or what can be called IDNIC Business Intelligence. Will have a dashboard to monitor all IDNIC services that will be integrated with 3rd-party (eg government, either community or commercial).

Kyu is a commercial version of KADABRA for the needs of entrepreneurs.

- Service Gateway
- Source of truth
- IDNIC SSO Service(s)

Milestones

2022

Integrated with NIR, RIR, Government, education, and private company

2023

IDNIC Big Data

2024

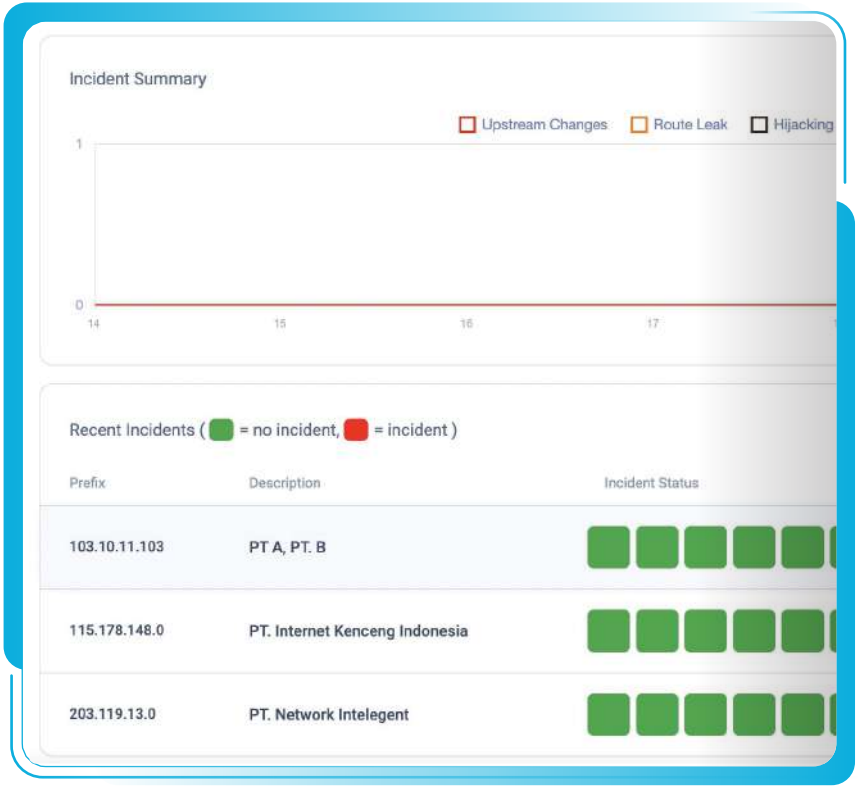
Stay tune for our latest updates

Dashboard

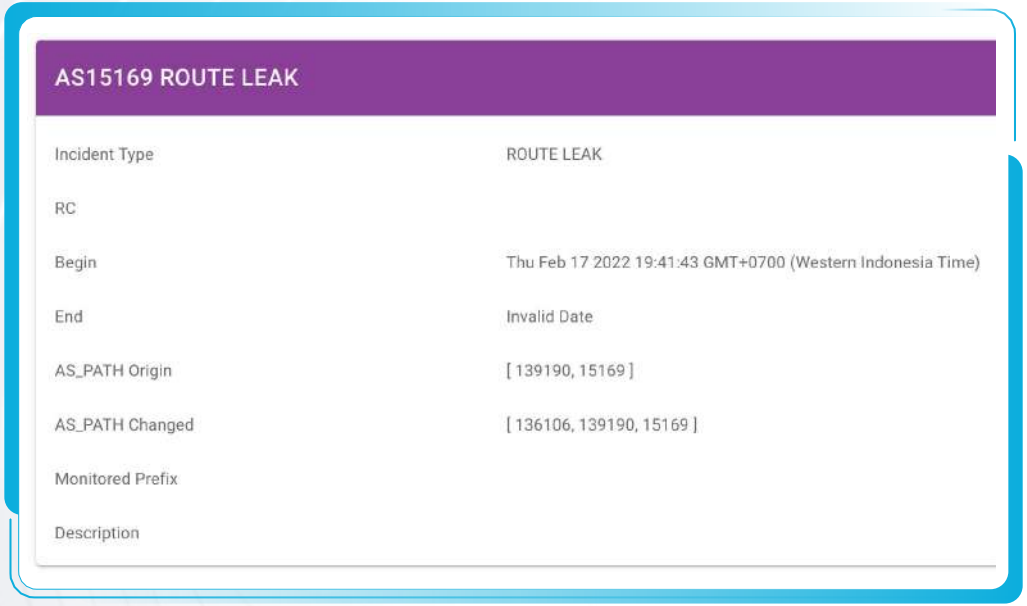
KYU

- Since we have several adjustment on the development of Kyu, the dashboard still on the preview only
- Member (both IDNIC's or public) can register and create their own resources monitoring and get alert for FREE*

*we have a paid subscription for other parties that requires big resources monitoring



Integration



KYU

- In Q1 2022, Kyu will integrated to IDNIC Academy. So public member (non-IDNIC member) can utilized our virtual labs, courses and get the free e-certificate.
- On the other hand, we still developing our monitoring system to support internet ecosystem in Indonesia

Statistics

KYU

- To gather and summarize the data,
  we make Kyu as a source of truth database
- Our first project is to make IDNIC
  Advertised Resource(s), for the first time, LIVE.

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KAKABRA Smart Routing Analyzer

What is KADABRA?

KADABRA is a smart routing analyzer, collector and platform at IDNIC in charge of collecting data and information from the internet in Indonesia, grouping and visualizing the results to the public.

- Historical Incidents
- Validator Public pertama di Indonesia
- Modular Concept

Read More

https://s.id/tentang-kadabra

Podcast KADABRA

https://s.id/KADABRA

Milestones

2022

Enhanced Kadabra to v3

2023

Integration to Kyu for Public Feeds (Government, RIR/NIR)

2024

Stay tune for our latest updates on KADABRA !

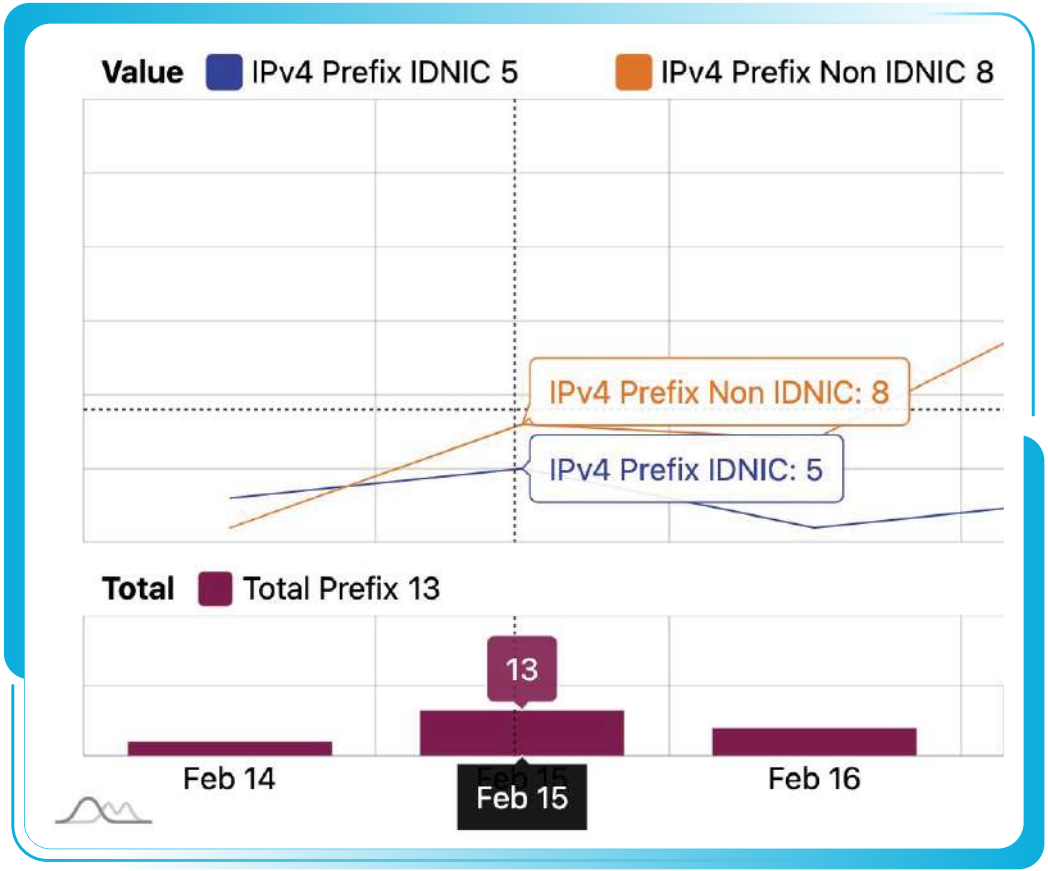
RS/RC

Read More

Memperkenalkan Route Collector Kunci dari Data Pada Layanan IDNIC

KADABRA Statistics

- Q1 2022, we will add new RC (Route Collector) to IIX-RS (currently we have 11 RC actively report across nation)
- Q2 2022, we will approach to BIX (Biznet) and JKT-IX (NTT) to deploy KADABRA RC on their side
- We already have live data publicly on stats.kadabra.id to monitor IDNIC Resources distribution on the networks.



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