



What is APIX?

-- An introduction of the APIX association --
The 1st APIX Workshop in Kyoto, Japan

2023-09-11

Katsuyasu Toyama

Chairperson of APIX association

What is APIX association?

- “Asia-Pacific Internet Exchange”
 - An **association of Internet Exchange Providers** in Asia-Pacific region
 - Established in 2010
 - Objectives:
To share information about technical, operational, and business issues and solutions regarding Internet Exchange

IXP associations in the world



Reference: Euro-IX Update at Euro-IX forum

IX Federation

- “The Internet Exchange Federation (IX-F) acts as a platform for affiliated Internet Exchange Point Association (IXPAs). We are working together to build a global IXP community and help the development of IXPs throughout the world.”



APIX members

- Membership Criteria

- *Any entity, enterprise, or organization in the Asia-Pacific region, possessing legal personality under the laws of a country or economy where the entity resides, providing services regarding **Layer 2** Internet Exchange Points, sustaining **a neutral position**, and does **not enforce the purchase of transit services**. The Asia-Pacific region is defined as the economies where APNIC serves.*

(from APIX bylaws)

- Patron (Sponsor) is always welcome

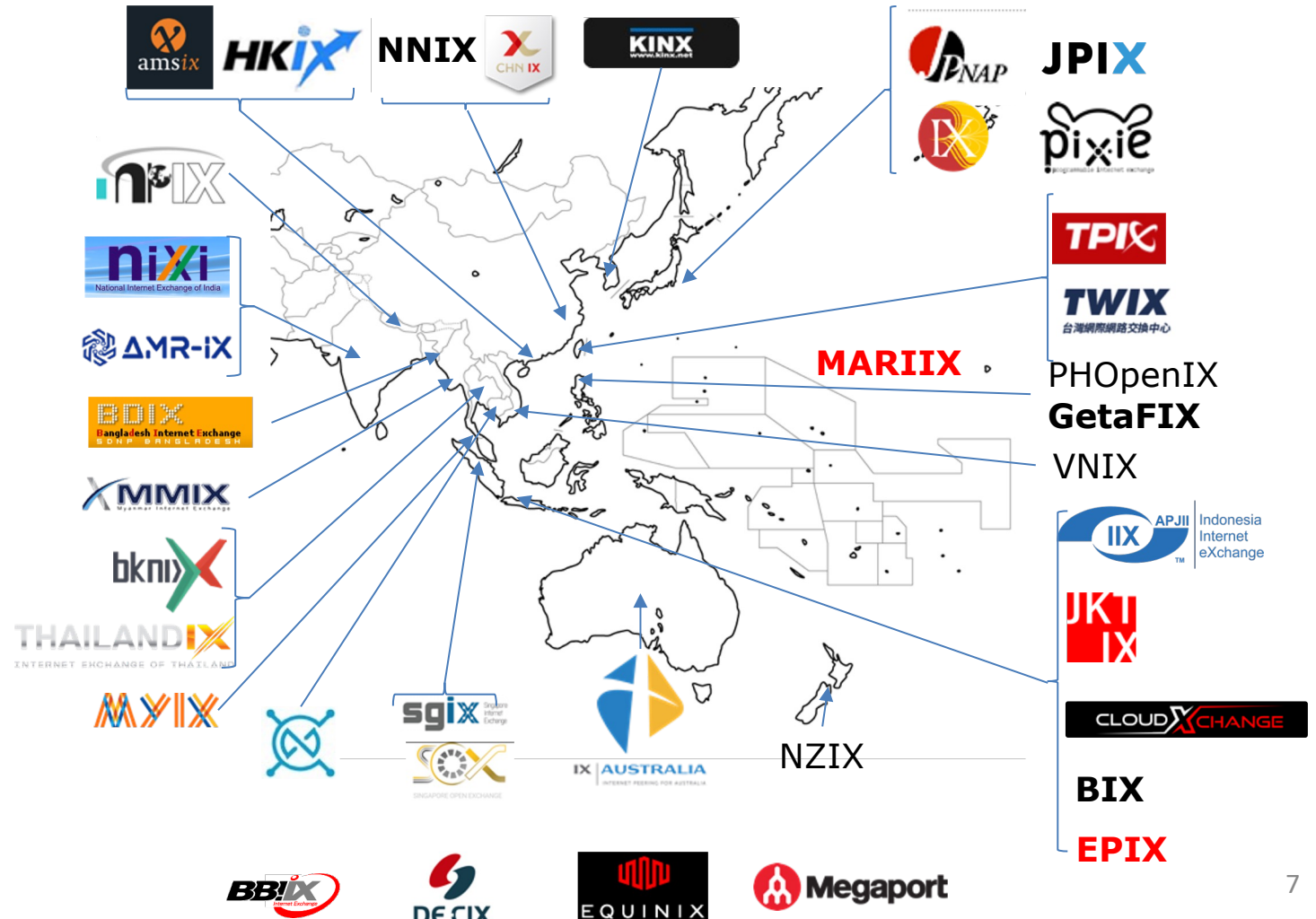
APIX members: **38**

AMR-IX (IN)	Equinix AP (AU/HK/JP/SG)	MYIX (MY)
AMS-IX Hong Kong (HK)	GetaFIX (PH)	NIXI (IN)
BBIX (HK/JP/SG/TH)	HKIX (HK)	NNIX (CN)
BDIX (BD)	IIX (ID)	NPIX (NP)
BIX (ID)	IX Australia (AU)	NZIX (NZ)
BKNIX (TH)	JKT-IX (ID)	PhOpenIX (PH)
CHN-IX (CN)	JPIX (JP)	Ryukyu-IX (JP)
CNX (KH)	JPNAP (JP)	SGIX (SG)
CXC (ID)	KINX (KR)	SOX (SG)
DE-CIX India (IN)	MARIIX (GU)	TH-IX (TH)
DE-CIX Malaysia (MY)	Mega-IX (AU/HK/SG)	TPIX (TW)
Dix-ie (JP)	MM-IX (MM)	TWIX (TW)
EPIX (ID)		VNIX (VN)

APIX Members

- Total **38** IXPs,
from **19** countries and
economies

- Australia, Bangladesh,
Cambodia, China,
Guam, Hong Kong,
India, Indonesia,
Japan, Korea,
Malaysia, Myanmar,
Nepal, New Zealand,
Philippine, Singapore,
Taiwan, Thailand,
Vietnam



APIX Steering Committee FY2023

Roles	Name	Organization	End of Terms
Chairperson	Katsuyasu Toyama	JPNAP	2024
Secretary	Arnold Nipper	DE-CIX India	2024
	Abhishek Gautam	Grant Thornton	2025
	Masataka Mawatari	JPIX	2025
Treasurer	Shicong Zhang	NNIX	2025

*The terms of office is 2 year.



Arnold



Abhishek



Shicong



Masataka



Toyama

APIX activities

- Regular meetings
 - APIX meetings (closed to APIX members / twice a year)
 - Every time 10 to 20 topics regarding IXPs' operations, business, policies, and so on
- Working groups
 - Benchmarking WG
 - Surveys to APIX members, to highlight current trends and issues/concerns of IXPs
 - Peering Asia WG
 - “Peering Asia”: Open and neutral peering forum in the Asia Pacific region

IXP's interests

- Engineering and Operations
 - New switches, new protocols, and new technologies for IXP
 - Automation
 - Security (RPKI)
- Increasing members/customers
 - How to invite content/cloud/CDN providers
 - Value added services

The purposes of this workshop

- Getting to know each other more and more
 - IXP and members/customers
- Discussing collaborations between them to achieve better Internet
- Today's topics
 - Policy change proposal on IPv4 assignment size to IXP
 - now /23 to /26
 - Collaboration between IXP and its members/customers

Announcement



Peering Asia 5.0

Host : KINX Inc.

Date: 1 - 2 November 2023

Location: The Shilla Hotel Seoul, South Korea

KINX
www.kinx.net

Peering Asia

Registration has been already open! <https://5.peeringasia.org/>

Patron Sponsors

APNIC

- APNIC always supports APIX activities
 - Meeting room and Zoom link



ISOC (Internet Society)



Google



Thank you!

