

# **APIX meeting #30**

Tue 3 Sep 2024

**Welcome to Wellington, NZ!**  
**Welcome to the APIX meeting #30!**

# What is APIX association?

- “Asia-Pacific Internet Exchange”
  - An **association of Internet Exchange Providers** in Asia-Pacific region
  - Established in 2010
    - Meets twice a year (usually along with APRICOT/APNIC meetings)
  - 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

# **APIX meeting**

**This is the meeting for APIX members and invited only**

# APIX meeting #30

## Registered attendees: 42

- APIX members: 18 in-person, 16 online
- Patrons: 2 in-person (APNIC), 1 online (ISOC)
- Invited: 6 in-person
  - BD(Content), CN (Academy and Gov), PG(potential IXP)

**Attending APIX member IXPs: 18**  
(including in-person and online)

as of 1 Sep 2024

# Acknowledgement

- APNIC supports our activities like our previous meetings
- Meeting room and Zoom link is provided by courtesy of APNIC



# Acknowledgement

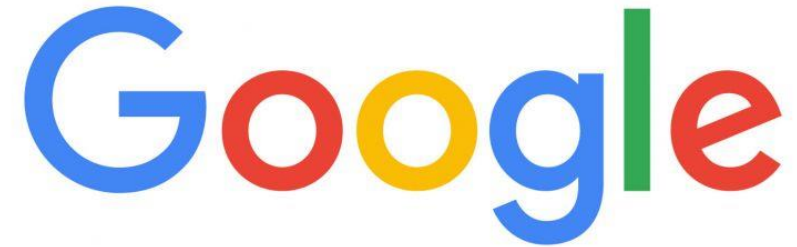
- Sponsorship from the Internet Society (ISOC)





# Acknowledgement

- Sponsorship from Google

The Google logo is displayed in its characteristic multi-colored font, with the letters 'G', 'o', 'o', 'g', 'l', and 'e' in blue, red, yellow, blue, green, and red respectively.

# **APIX update**

3 Sep 2024

APIX Steering Committee

# APIX Steering Committee FY2024

Roles	Name	Organization
Chairperson	Katsuyasu Toyama	JPNAP (JP)
Secretary	Arnold Nipper	DE-CIX IN (IN)
Treasurer	Shicong Zhang	NNIX (CN)
	Abhishek Gautam	Grant Thornton (IN) (ex-NIXI)
	Masataka Mawatari	JPIX (JP)



Arnold



Abhishek



Shicong



Masataka



Toyama

# APIX members: 42

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

\* IXP name changed: DE-CIX India (formerly MumbaiIX), DE-CIX Malaysia (formerly JBIX)

# APIX members: 42->40

**AMR-IX (IN)**

**AMS-IX Hong Kong (HK)**

**BBIX (HK/JP/SG/TH)**

**BDIX (BD)**

**BIX (ID)**

**BKNIX (TH)**

**Borneo-IX (BN)**

**CHN-IX (CN)**

**CNX (KH)**

**CXC (ID)**

**DE-CIX India (IN)**

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**MYIX (MY)**

**NIXI (IN)**

**NNIX (CN)**

**NPIX (NP)**

**NZIX (NZ)**

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**Ryukyu-IX (JP)**

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**SOX (SG)**

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# APIX members: 42->40->43

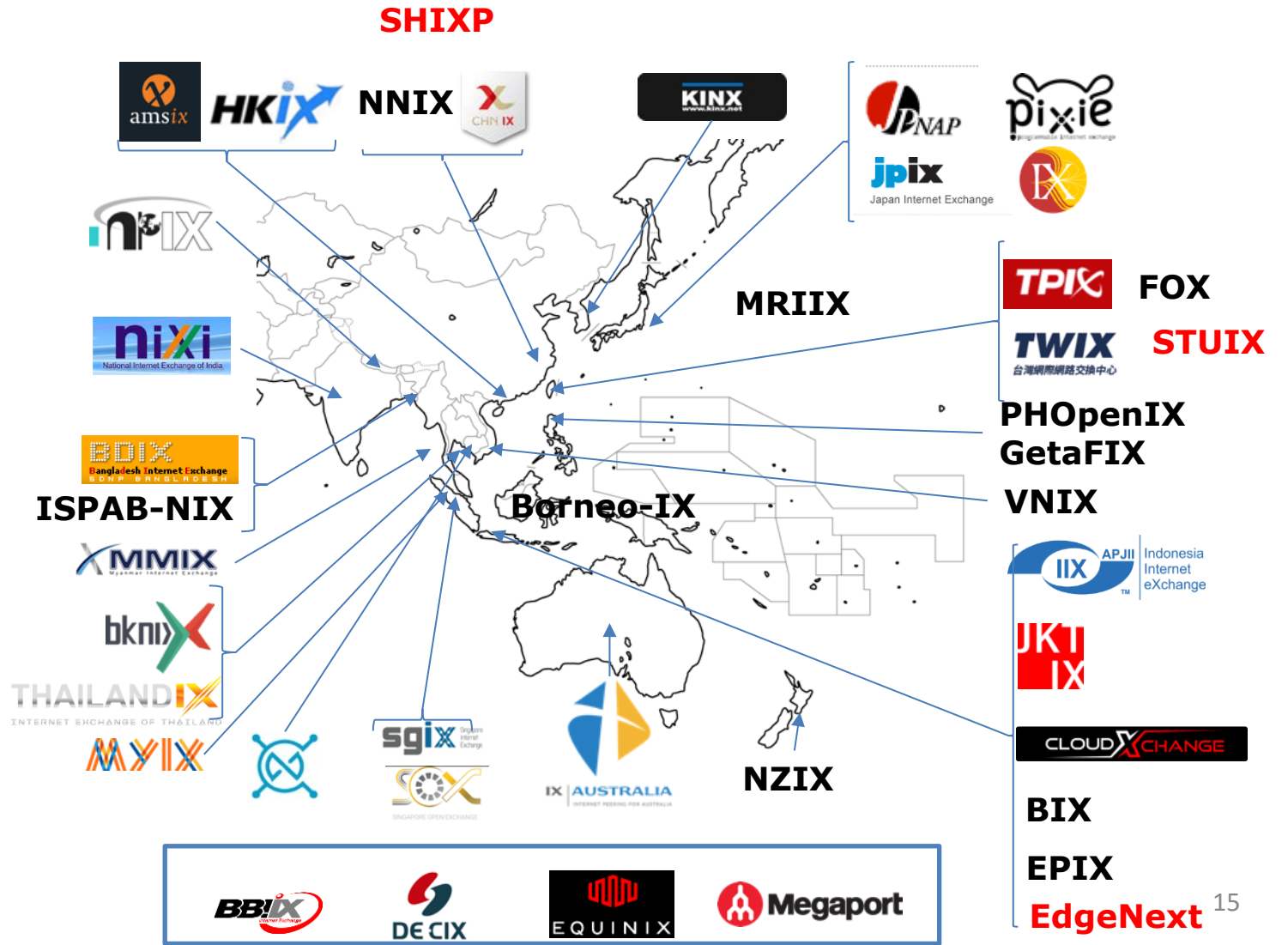
AMS-IX Hong Kong (HK)  
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Borneo-IX (BN)  
CHN-IX (CN)  
CNX (KH)  
CXC (ID)  
DE-CIX India (IN)  
**DE-CIX Indonesia (ID)**  
DE-CIX Malaysia (MY)  
Dix-ie (JP)  
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NPIX (NP)  
NZIX (NZ)  
PhOpenIX (PH)  
Ryukyu-IX (JP)  
SGIX (SG)  
**SHIXP (CN)**  
**STUIX (TW)**  
TH-IX (TH)  
TPIX (TW)  
TWIX (TW)  
VNIX (VN)

# APIX Members

- Total **43** IXPs, from 20 countries and economies
  - Australia, Bangladesh, Borneo, Cambodia, China, Hong Kong, India, Indonesia, Japan, Korea, Northern Mariana Island, Malaysia, Myanmar, Nepal, New Zealand, Philippine, Singapore, Taiwan, Thailand, Vietnam



# Program Committee

- **Narelle Clark (IX Australia) – Chairperson of PC**
- **Naveed Haq (ISOC)**
- **Soumen Bhowmik (NIXI)**
  
- and the Steering Committee members

**Very much appreciate to their great contributions!!**



# Today's agenda



**Survey**

## **Session #1 (11:30-13:00)**

- Session Chair: Katsuyasu Toyama (APIX-SC)
- Greetings, APIX update, Agenda bashing, Roll call  
by Toyama@APIX-SC
- New APIX members (STUIX, SHIXP, DE-CIX Indonesia)
- DE-CIX India Update

**(Lunch)**

## **Session #2 (14:30-16:00)**

- Session Chair: Masataka Mawatari (APIX-SC)
- NZIX Update or similar  
by Dave Mill @ NZIX
- How to run an IXP on the first 5 years of operations  
by Darwin Costa @ DE-CIX Lisbon
- IXP Self Assessment Survey results from APIX members  
by Ghislain Nkeramugaba @ ISOC

## **Session #3 (16:30-18:00)**

- Session Chair: Arnold Nipper (APIX-SC)
- Internet Interconnection Architecture of China  
by Qifeng Wang @ CAICT
- NNIX - Exploration and Practice of Integrated Computing  
and Networking Services  
by Yi @ NNIX
- Peering Chronicles of Japan: the book: Translated!  
by Yuanxiang Miao@JPIX & Katsuyasu Toyama @JPNAP
- Internet @ Bangladesh  
by Tejas Viswanath @ Chaldal.Tech
- NIXI update  
by Devesh Tyagi @ NIXI
- Open Mic, Closing + Group Photo by Toyama@APIX-SC

# Thank you!



Survey

