

IXP personals

Peering Asia 2021v
9 November 2021

- Alphabetical order of the IXP names
 - Firstly, IXPs in APAC region
 - Next, IXPs outside APAC region
- One minute for each organization
 - Even if the slide has multiple pages, only one minute is assigned
 - Too long talk will make us to MUTE your microphone
- Members of APIX association have this logo on the slide



IXPs in APAC region

AMS-IX

IX Name	AMS-IX
City, Country	Amsterdam, Netherlands
Point of Presence	16 PoPs in Amsterdam
# of connected ASN	883
Peak traffic	+10 Tbps
Route Servers	Yes
Peeringdb	https://www.peeringdb.com/ix/26
Contact	sales@ams-ix.net

- Two new PoPs in the Netherlands;
 - Smartdc in Rotterdam
 - Greenhouse DataCenters in Naaldwijk
- New IXs in 2021 (to be launched);
 - Egypt (powered by AMS-IX)
- HGC as new partner for the US & promotion for AMS-IX HK&US



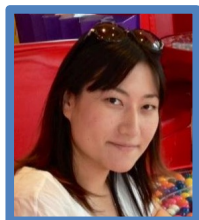
- AMS-IX IXs around the world;
 - Amsterdam, Netherlands
 - Hong Kong
 - India
 - Caribbean (Curaçao)
 - USA (Chicago and Bay Area)
 - Bahrain (powered by AMS-IX)

Peering Contacts



Emrah, Noha and Onno
sales@ams-ix.net

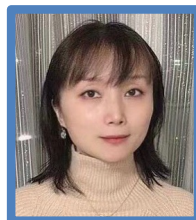
IX Name	BBIX Tokyo	BBIX Osaka	BBIX Hong Kong	BBIX Singapore	BBIX Thailand	BBIX USA	BBIX Europe
City, Country	Tokyo, Sendai, Okinawa	Osaka, Fukuoka	Hong Kong, China	Singapore	Bangkok, Thailand	LA, Chicago, Dallas, Miami	Amsterdam, London, Marseille
Point of Presence	•NTT DATA Otemachi •ComSpace I •Equinix TY2 •Equinix TY4 •AT TOKYO CC1 •SoftBank Maruyama CLS	•NTT DATA Dojima •Equinix OS1 •NTT SmartConnect Dojima •QTnet Fukuoka No.3Data Center	•MEGA-I •Equinix HK1	•Equinix SG1	•TrueIDC North Muang Thong •CAT Tower BangRak	•Equinix LA1 •Equinix CH1 •Equinix DA6 •Equinix MI1	•Interxion AMS9 •Telehouse Dockland North2 •Interxion MRS2
# of connected ASN	•NTT Communications Nexcenter •Colt DCS Tokyo Shiohama DC •Colt DCS Inzai 1 DC •SCSK netXDC Chiba Center •TOHKnet Sendai Central Data Center •FRT Data Center (IDC) BBIX Total 300+						
Peak traffic	BBIX Total 4.0+ T						
Route Servers	Yes <BIRD>	Yes <BIRD>	Yes <CISCO>	Yes <CISCO>	Yes <CISCO>	Yes <CISCO>	Yes <CISCO>
RPKI	No						
Contact	bbix-sales@bbix.net						



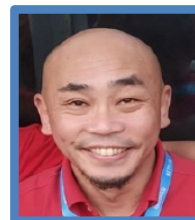
Iku



Ishu



Lisa



Araki



LiYu



Tomomi



Chandi

NEW!

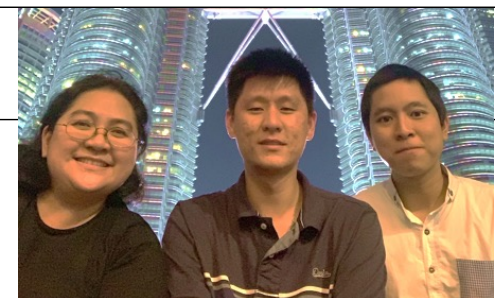
Bangkok Neutral Internet Exchange



IXP Name/s	BKNIX	BKNIX Chiang Mai
Location	Bangkok, Thailand	Chiang Mai, Thailand
Point of Presence	- TCC Bangna (supported by ISOC) - CSL - CW Tower (supported by ISOC) - AIMS DC TH - NTT BKK2 (supported by ISOC)	Symphony (supported by APNIC)
# of connected ASNs	45 (+25%)	-
Peak Traffic	90 G (+109%)	-
Route Server	Yes <BIRD>	Will deploy soon <BIRD>
Peeringdb/IXPdb	https://www.peeringdb.com/ix/1025 https://ixpdb.euro-ix.net/en/ixpdb/ixp/587	-

Recent updates:

- Remote peering service from/to JPNAP Tokyo is ready for service
- 100G will be available at all locations in 2022
- Contact Information : info@bknix.co.th , peering@bknix.co.th



Patama/Thanapat/Nan
@bknix.co.th

IX Name	Borneo-IX powered by DE-CIX
City, Country	Brunei Darussalam (BN)
Point of Presence	Tungku Submarine Cable Station, Brunei
# of connected ASN	4 local & 60+ on DE-CIX ASEAN distributed (SG/MY)
Peak traffic	~10Gbps on local & ~60Gbps on DE-CIX ASEAN
Route Servers	Yes
RPKI	Yes

- We are the first neutral IXP on the island of Borneo !
- Recent updates
 - Added first 2 networks from East Malaysia to both Borneo-IX local and DE-CIX ASEAN
 - Upgrading backbone to 40G
 - 3 months POC for limited time
- Contact Information
 - marcus.tan@unn.com.bn
 - nurulain.ismail@unn.com.bn
 - borneoix@unn.com.bn

Contacts



Marcus



Nurulain

Bhutan Internet Exchange (btIX)



IX Name	Bhutan Internet Exchange (btIX)
City, Country	Thimphu, Bhutan
Point of Presence	• Meet Me Room, TTPL, Thimphu
# of connected ASN	13
Peak traffic	1.53 Gbps
Route Servers	Yes (BIRD)
RPKI	Yes

Peering Persons



Urpan



Sonam



Namkha

IX Name	133339	133339	133339
City, Country	Denpasar, ID	Jakarta, ID	Surabaya, ID
Point of Presence	• CNI DC Bali • LINGKARDAT A • Nusantara Data Center	• Cloudata Indonesia DC • Cyber Data Center International Jakarta • Datacenter APJII-Cyber • DTP C2 Data Center • IDC 3D Duren Tiga • NTT Com Jakarta (JKT2)	• Omadata Data Center (new)
# of connected ASN	26	92	2
Peak traffic	2.5 Gbps	32 Gbps	-
Route Servers	Yes (BIRD2.0)	Yes (BIRD2.0)	Yes (BIRD2.0)
RPKI	Yes	Yes	Yes

Recent updates

- New IX has been launched in Surabaya, Indonesia on Jul 2021
- New switch and server deployment from ISOC equipment support program

Contact Information

Peering Teams <peering@cloudxchange.id>

Bahirul Rizki Ariyanto <ari@cloudxchange.id>

Chahyadi Awan Handayanto <awan@cloudxchange.id>

Contact Persons



IX Name	DCI-IX
City, Country	Jakarta, Indonesia
Point of Presence	1. PoPs in Cibitung Bekasi 2. PoPs In Cyber 1 Jakarta
# of connected ASN	38 Peer
Peak traffic	40Gb/s
Route Servers	Yes
RPKI	No

Contact Persons



Marco Cioffi
marcoc@dcI-Indonesia.com

- Recent updates
 - IPv6 Ready
- Contact Information
 - sales@dcI-Indonesia.com

IX Name	DE-CIX ASIA Distributed Exchange
City, Country	Kuala Lumpur (MY), Johor Bahru (MY), Singapore (SG), Brunei (BN)
Point of Presence	• AIMS Kuala Lumpur • CJ1, CX1, CX02 Cyberjaya • JB1 OpenDC, Menara MSC Cyberport Johor Bahru • JB2 Menara Ansar, Johor Bahru • Globalswitch Singapore • STT Tai Seng 1 • Tungku Submarine Cable Station, Brunei
# of connected ASN	60+
Peak traffic	Approx. 60Gbps
Route Servers	Yes
RPKI	Yes

Recent updates

- DE-CIX Frankfurt 10Tbps peak traffic / 1000+ networks connected
- New node in US: Chicago, Dallas, New York, Richmond and Phoenix
- New node in Europe: Barcelona
- *Promo Update*: FOC 10G port for all SG Participants to connect to DE-CIX Asia

Contact Info

- catherine.wong@de-cix.net
- john.hill@de-cix.net
- wouter@de-cix.net

Contacts



Catherine



John



Wouter

EQUINIX



IX Name	EQUINIX
Location	5 Continents, 23 Countries, 48 Metros around the world
Point of Presence	180 Equinix IBXs
New Hot Presence	Melbourne, Perth, Osaka, Seoul
AS Number	24115
# of connected ASN	1907 unique ASNs
Route Servers	Yes (BIRD)
Supported Features	RPKI, RTBH, Private VLAN
Peeringdb	http://as24115.peeringdb.com/

Service Providers & Interconnection Team



Joanne Chan
Japan
joachan@ap.equinix.com



Maggie Lee
Greater China & Korea
maglee@ap.equinix.com



Matthew Gully
ANZ & Pacific Islands
mgully@ap.equinix.com



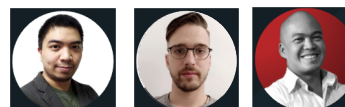
<https://ix.equinix.com/>

IX Name	GetaFIX-Manila	GetaFIX-Cebu
City, Country	Metro Manila, Philippines	Cebu City, Philippines
Point of Presence	• MK2 • TIM Carmona • Vitro Makati 1 (IPC RCBC) • Vitro Makati 2 • Vitro Parañaque (IPC Sucat) • Vitro Pasig	• Vitro Cebu 1 & 2 • Crown 7 • Filinvest Cyberzone
# of connected ASN	51	2
Peak traffic	75 Gbps	~ 600 Mbps
Route Servers	2 x based on BIRD	2 x based on BIRD
RPKI	Currently prefix lists based on AS-SET, RPKI soon.	Currently prefix lists based on AS-SET, RPKI soon.

• Contact Information

- membership@getafix.ph
- Mok Alfonso, Domestic, mok.alfonso@getafix.ph
- Michael Rascoe, International, michael.rascoe@getafix.ph
- Gio Bacareza, Head, gio@getafix.ph

Peering Persons



Mok Mike Gio

IX Name	GIX	GIX Cebu (Open)	GIX Davao (Soon)
City, Country	Manila, Philippines	Cebu, Philippines	Davao, Philippines
Point of Presence	• Globe MK2	• Globe CB1	• Globe DV1
# of connected ASN	16	Ongoing (TBD)	Soon
Peak traffic	60G	N/A	N/A
Route Servers	Yes	N/A	N/A
RPKI	No - Work in progress :)	No - Work in progress :)	N/A
•Recent updates			Contact Person

- GIX Cebu is open :)
- GIX Davao available soon

•Contact Information

- peering@globe.com.ph, vbatienza@globe.com.ph



Achie Atienza

IX name	Hong Kong Internet eXchange (HKIX)
City, Country	Hong Kong
Point of Presence	Core Sites: HKIX1 & HKIX1b @CUHK / HKIX1c @Cyberport Satellite Sites: HKIX2@CITIC, HKIX3/HKIX3b@iAdvantage, HKIX4@NTT, HKIX5@KDDI HKIX-R&E: HKIX-R&E@MEGA-i
# of connected ASN	337
Peak traffic	2.29Tbps
Route Servers	Yes (Cisco ASR1002-HX) for IPv4 and IPv6
RPKI / MANRS	Yes (both)
Remarks	Website: https://www.hkix.net PeeringDB: https://www.peeringdb.com/ix/42 Resellers: https://www.hkix.net/hkix/Resellers.htm

Japan Internet Exchange

IX Name	<u>JPIX TOKYO</u>	<u>JPIX OSAKA</u>
City, Country	Tokyo, Nagoya and Okinawa, Japan	Osaka and Nagoya, Japan
Point of Presence	• KDDI TELEHOUSE Otemachi • NTT DATA Otemachi • Comspace I • Equinix TY2 • AT Tokyo • COLT TDC1 • NTT DATA Mitaka DC East • NTT COM Nexcenter DC • Otemachi Place • Meitetsucom DC (Nagoya) • OCH DC (Okinawa)	• NTT DATA Dojima aka. Dojima Bldg. #4 • KDDI TELEHOUSE Osaka 1&2 • Equinix OS1 • Meitetsucom DC (Nagoya) Peering Persons Mugi Ma 
# of connected ASN	250	87
Peak traffic	1.7Tbps	950Gbps
Route Servers	Yes (Cisco IOS-XE)	Yes (Cisco IOS-XE)
RPKI	Not Yet	Not Yet

•Recent updates
New JPIX will open at Fukuoka, Japan

•Contact Information
mugima@jpix.ad.jp

IX Name	JPNAP <u>Tokyo</u>	JPNAP <u>Osaka</u>	JPNAP <u>Fukuoka</u>	JPNAP <u>Sendai</u>
City	Tokyo, Japan	Osaka, Japan	Fukuoka, Japan	Sendai, Japan
Point of Presence	- NTTCom TK1/TK7 IIJ Shiroi - AT Tokyo (CC1) - Colt (Shiohama) - ComSpace 1 - BroadBand Tower (Otemachi) - Equinix TY2/TY4	- NTT Dojima #4 (NTT Data) - NTT Dojima #3 - NTT Dojima #1 NTT Sonezaki - Equinix OS1 Equinix OS3	- QTnet DC3 - AT Tokyo	NTT Aoba
ASNs	180	80	6	Not disclosed
Traffic	2.8T	1.5T	18G	Not disclosed
Route Servers	Yes (BIRD2.0/BIRD2.0)	Yes (BIRD2.0/BIRD2.0)	Yes (BIRD2.0/BIRD2.0)	Yes (BIRD2.0/BIRD2.0)
RPKI	Yes	No	No	No

- Recent updates
 - New POPs:** IIJ Shiroi, NTT Sonezaki, Equinix OS3 are announced
 - New Portal** (My.JPNAP) & **new Traffic visualizer** (PeerWatcher)
- Contact Information
 - info@jpnap.net, toyama@mfeed.ad.jp

Contact Persons



Mizuki

Hide

Toyama



Contact Person:
Jake Lee

IXP Name/s	KINX Inc.
City, Country	Seoul, South Korea
Point of Presence	KINX Dogok / KINX Gasan (LG CNS) / KINX Bundang (Hostway) • Remote peering supported in Sangam1 (LG CNS), Sangam2 (Samsung SDS), @Tokyo (CC1), Equinix (TY2), Mega plus (HK)
# of connected ASNs	80 ASNs
Peak Traffic	445 Gbps
Route Server	YES
RPKI	N/A

• Contact Information: sales2@kinx.net (Global business development Division)

*Recent updates: support remote peering through JPIX, JPNAP, BBIX
(PCCW Console Connect soon to be available)

Myanmar Internet Exchange

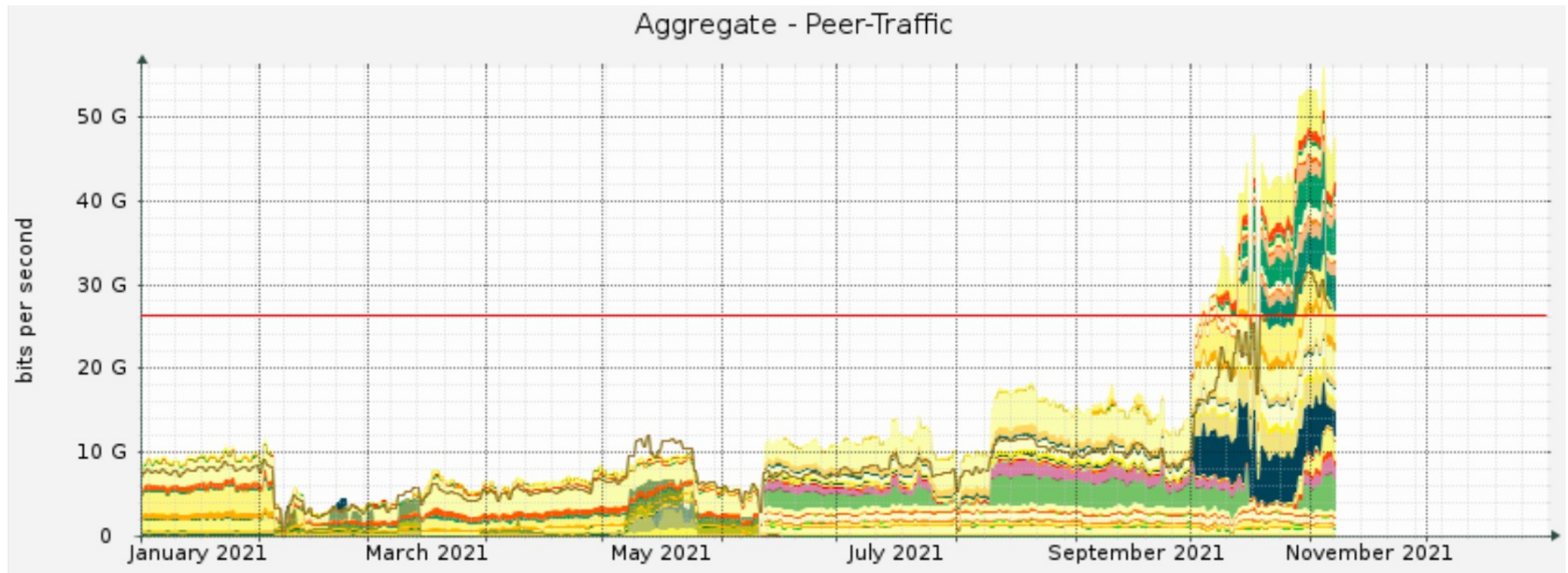
IX Name	MMIX
City, Country	Yangon, Myanmar
Point of Presence	• True IDC (Myanmar), Yangon, Myanmar
# of connected ASN	17
Peak traffic	50 Gbps
Route Servers	BIRD
RPKI	Yes

- Recent updates
 - Traffic level significantly jumped.
 - Pending for New PoP.
 - Postpone activities.
- Contact Information
 - info@mm-ix.net

Peering Persons



Thein Myint Khine





Malaysia Internet Exchange

ASN	55822
Peak Traffic	1.2Tbps
# Connected ASN	128
Point of Presence	AIMS DC (KL) CBJ5, KVDC, CJ1, AIMS (CYBERJAYA) IPDC (JOHOR) DANAWA (KUCHING)
Route Server	Yes
RPKI Validator	Yes
PeeringDB entry	https://www.peeringdb.com/ix/250
Contact	peering@myix.my



IX Name	Singapore Internet Exchange Ltd (SGIX)	
City, Country	Singapore	
Point of Presence	<u>POPs (6)</u> • 1-Net East • Equinix SG1 and SG3 • Global Switch Tai Seng • Keppel Data Centre Singapore 1 • Singtel DC West • Telin-3	<u>Satellite Site (5)</u> • Digital Realty Jurong • Epsilon Global Hubs Singapore • Equinix SG2 • Racks Central • STT Tai Seng 1
# of connected ASN	169	
Peak traffic	1.29 Tbps	
Route Servers	Yes	
RPKI	Coming soon	

- Recent updates
 - Reached 1Tbps traffic milestone in Jul 2021
- Contact & Information
 - Email: info@sgix.sg
 - Application Form: <https://www.sgix.sg/to-apply/>
 - PeeringDB: <https://www.peeringdb.com/asn/55518>

Contact Persons



Jeff Chan
MD



See Kian Herng
Tech Manager

IX Name	STUIX (Student & Technology United Internet Exchanges)
City, Country	Taipei, Taiwan
Point of Presence	• Chief LY
# of connected ASN	24
Peak traffic	16 Gbps
Route Servers	Yes (BIRD2)
RPKI	Yes (with IRR Filter)

Peering Persons

- Recent updates
 - Currently Adapting MANRS
- Contact Information
 - contact@stuix.io



Li-Heng Yu

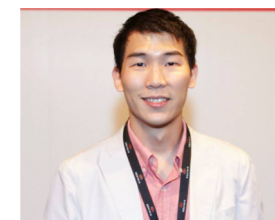
Thailand IX



IX Name	Thailand Internet Exchange (Thailand IX)
City, Country	Thailand
Point of Presence	- CAT Tower (Bang-rak, Bangkok) - CAT Nonthaburi Data Center (Nonthaburi)
# of connected ASN	52
Peak traffic	300 Gbps
Route Servers	Yes
RPKI	Not Yet

- Recent updates
 - New PoP will be open in Q4, 2022
- Contact Information
 - peering@th-ix.net

Peering Persons



Trirat

IXPs outside APAC region

IX Name	LINX	
City, Country	London, UK	
Point of Presence	- 16 PoPs in London - 4 PoPs at LINX Manchester - 2 Pops at LINX Wales - 2 PoPs at LINX Scotland - 4 PoPs at LINX NoVA	• Cont... • JEDIX, Powered by LINX • ManxIX Powered by LINX • JPIX – IX Partnership • NYIIX – IX Partnership • NAMEX – IX Partnership
# of connected ASN	1000+	
Peak traffic	6.09 Tbps/sec 42.298Tb of connected capacity total	
Route Servers	Yes BIRD with the Ubuntu Server Linux distribution.	
RPKI	Yes	

Recent updates

- LINX Marketplace, LINX new website.
- New PoPs coming...
- Contact Information
 - Sales@linx.net

Senior Peering
Advisor
Halil Kama
Halil@linx.net



IX Name	NAPAfrica Johannesburg	NAPAfrica Cape Town	NAPAfrica Durban
City, Country	Johannesburg, South Africa	Cape Town, South Africa	Durban, South Africa
Point of Presence	• Teraco Data Environments	• Teraco Data Environments	• Teraco Data Environments
# of connected ASN	479	236	108
Peak traffic	1.6T	346G	32G
Route Servers	Yes	Yes	Yes
RPKI	Yes	Yes	Yes
Contact info	nap@teraco.co.za Yolandi Robinson <yolandi@teraco.co.za>		

Peering Persons

•Recent updates

We had an incredible growth in traffic (by 100% since March 2020)

Peaking at 2.1T of traffic



