

APIX Benchmark

APIX working group on Benchmarking @ APIX 25
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In this presentation

- Our motivations for the benchmarking survey
- How to fill in the survey
- What we do with the data
- A short walk through the survey

Survey: <https://tinyurl.com/APIX2022>

Thank you

- to APNIC for organising and hosting the planning meetings
- to EURO-IX for sharing their experience with us and
- to you for participating

Survey: <https://tinyurl.com/APIX2022>



8 minutes

of your time to make the world a better place
and all you need is a mouse and the number block

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Why?

Article 3: The purpose of Asia-Pacific Internet Exchange Association (herein called “APIX”) shall be the **building, distributing, and developing of knowledge and information regarding Internet Exchange** and all that contributes in the widest sense of the word.

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Main drivers (operational)

1. Helping each IX to understand their performance in comparison with other APIX members
2. Different economies require different approaches, enable comparison within IX in similar economies
3. What works at different stages in the development of an IX, helping IX's with their roadmap
4. Opportunities for systematic improvement

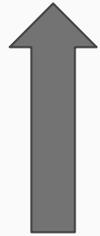
Survey: <https://tinyurl.com/APIX2022>

Main drivers (economic and policy)

5. Understand operations and services across different economies
6. Increase our ability for advocacy as an organisation, enable APIX or member IXs to provide fact based input to policy makers
7. Provide ideas for sustainable business models

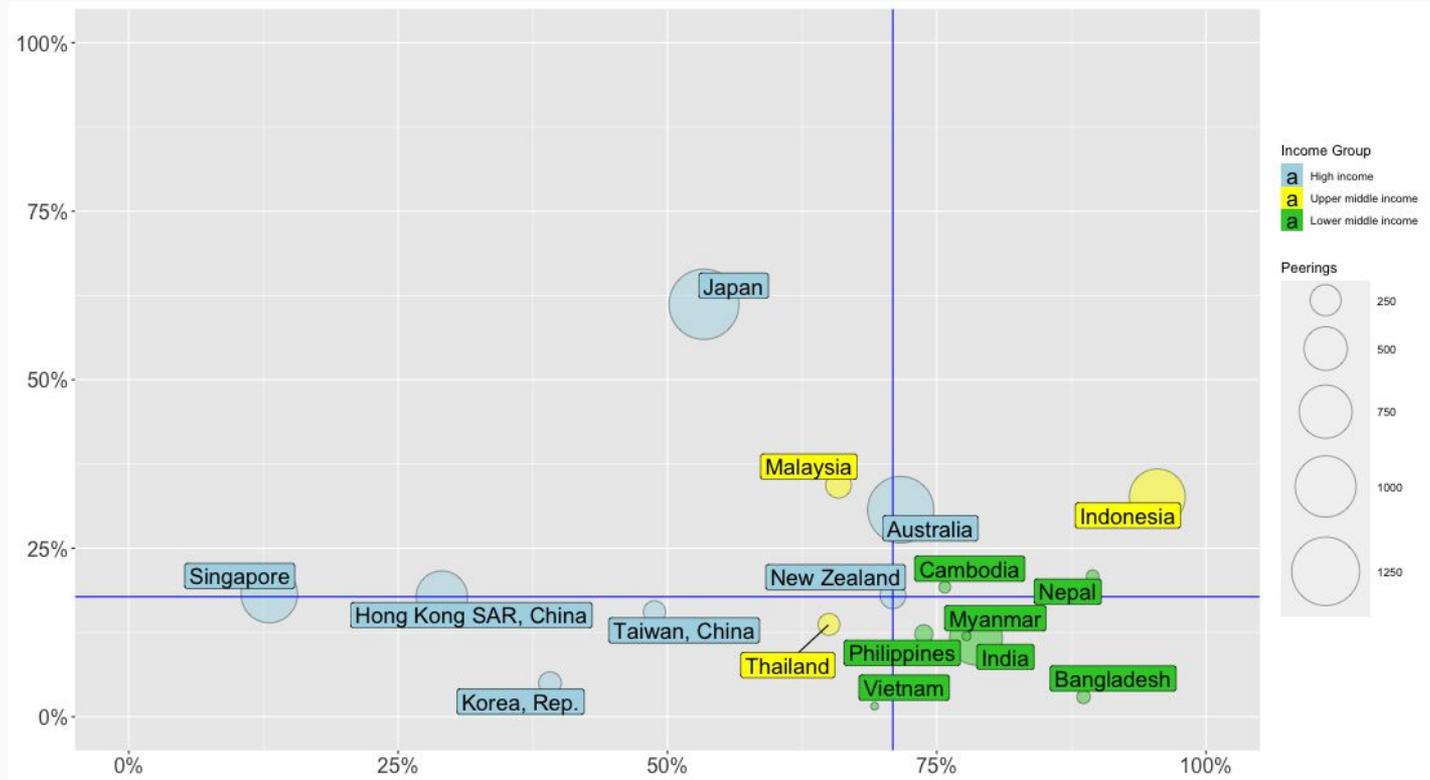
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IX diversity within APIX (data from peeringDB, RIPE Stats, BGPView)



How many locally registered ASN are peering at an IX in country?

81 IXs
17 ECON
2355 ASN



How many ASN at the IX are local?



About the survey

- We are planning to conduct the survey annually
- Open at the 1st APIX meeting (Q1) for 2 month
- Present report during the 2nd APIX meeting (Q3/4)
- This is the “first” survey; based on feedback we are planning to dig deeper or remove certain questions in 2023

Survey: <https://tinyurl.com/APIX2022>



About the data

- Survey data is collected anonymous
- The report will group data by economic classification
- (detailed) Report will only be shared with members, APNIC, IX Federation
 - Abstracts and highlights may be published by APIX

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How we want to collect the data ?

Please help us by filling out **one survey, per operator, per economy**

- BBIX (Operating in 4 economies, 6 exchanges)
 - BBIX HK
 - BBIX TH
 - BBIX SG
 - BBIX JP (3x exchanges, please consolidate to 1 survey submission)
- AMS (2), BBIX (4), DE-CIX Asia (2), Equinix (4), Megaport (3)

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General Notes

- Location in the survey is defined as a city
- Not all questions need to be answered (but please do!)
- Its okay to approximate

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Countries/Economies by income classifications (World Bank)

Country	Income Group	Country	Income Group	Country	Income Group
Australia	High income	Indonesia	Upper middle income	New Zealand	High income
Bangladesh	Lower middle income	Japan	High income	Philippines	Lower middle income
Cambodia	Lower middle income	Korea, Rep.	High income	Singapore	High income
China	Upper middle income	Malaysia	Upper middle income	Taiwan, China	High income
Hong Kong SAR, China	High income	Myanmar	Lower middle income	Thailand	Upper middle income
India	Lower middle income	Nepal	Lower middle income	Vietnam	Lower middle income

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Sections (pages) of the survey (1 o2)

1. **Operations** Locations, Ports, Membership and Growth
2. **Operations** NOC, Monitoring
3. **Operations** Route Servers
4. **Operations** Port Types & VLAN
5. **Operations** Members

Survey: <https://tinyurl.com/APIX2022>

Sections (pages) of the survey (2022)

6. **Regulatory and Policy issues:** Understanding existing policy in Asia Pacific
7. **Commercial Services** offered, Ownership structure
8. **Financial Prices,** Operating costs, Staffing

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The survey

Survey: <https://tinyurl.com/APIX2022>