

## Minutes of APIX meeting #24

Date and Time: 3:00am-5:00am and 7:00am-9:00am on Mon 13 September 2021 (UTC)

Place: Online (Zoom, provided by courtesy of APNIC)

### Attendees:

- APIX members: 51 people from 22 member IXPs
  - AMS-IX HK, BDIX, BKNIX, CNX, CXC, DE-CIX IN, DE-CIX MY, DIX-IE, EQUINIX, HKIX, IX-Australia, JKT-IX, JPIX, JPNAP, KINX, MyIX, NIXI, NPIX, SGIX, TH-IX, TWIX, VNIX
- Non-members: 4 attendees from 3 organizations
  - APNIC, EURO-IX, FastNetMon
  
- Administrative session (3:00-4:00 UTC)
  - General Meeting
    - 20 member IXPs attended, so the General Meeting was held.
      - AMS-IX HK, BDIX, BKNIX, CNX, CXC, DE-CIX IN, DE-CIX MY, DIX-IE, EQUINIX, HKIX, IX-Australia, JKT-IX, JPIX, JPNAP, KINX, MyIX, NIXI, NPIX, SGIX, VNIX
    - Resolutions
      - **Rejected:** the proposal to modify APIX Bylaws to remove the restriction of 4 year terms of office for Steering Committee members
        - **YES=9, NO=10, Abstain=1**
          - Less than three-fourths
      - **Adopted:** the proposal to set \$0 USD to the membership fee for FY2022
        - **YES=12, NO=8**
          - Majority votes (more than half)
  
  - Reports/updates from Steering Committees
    - Steering Committee activities from Mar to Sep 2021 (Toyama)
      - Current SC members and their roles, 8 SC meeting were held,
    - Mailing lists transfer & Invitation to APIX-Slack (Masataka)
      - APIX mailing lists have been moved onto APNIC servers. Appreciated to the contribution from Raphael and Gaurab
      - APIX Slack has been created for another communication platform for APIX members
    - Financial report (Vijay)
      - 19 member IXPs has already paid the membership fee for FY2021
      - Some members has a difficulty to wire-transfer
    - IX Federation(IX-F) update (Toyama)
      - IX-F is going to revise the MoU

- APIX SC got consensus to support the revision, and will support at next IX-F meeting.
- Technical session
  - Session 1: Chaired by Vijay**
    - IXP updates: from 20 member IXPs
      - JPNAP, Equinix, IX-Australia, KINX, SGIX, VNIX, AMS-IX HK/India, BDIX, BKNIX, CNX, CXC, DE-CIX IN, DE-CIX MY, DIX-IE, HKIX, JKT-IX, JPIX, NIXI, NPIX, TWIX

**Session 2: Chaired by Masataka**

- DDoS attack mitigation using Fastnetmon, by Pavel Odintsov, author of FastNetMon
  - Pavel, the author of FastNetMon, presented FastNetMon, an open software to detect DDoS attacks, and discussed how it can apply to internet exchanges
- IXPDB update, by Bijal Shanghani, IXPDB/IX Federation
  - Bijal explained IXP-DB and its recent updates
- Traffic trend during Tokyo Olympic Games by Masataka Mawtari, JPIX & Katsuyasu Toyama, JPNAP
  - Masataka and Toyama showed the internet traffic trend at JPIX and JPNAP during Tokyo 2020, the Olympic games in summer 2021
- A “benchmarking” activity for APIX by George Michaelson, APNIC
  - George presented what is the benchmarking in the IXP community, and offered that APNIC would volunteer as a secretary if APIX makes an ad-hoc group to discuss benchmarking in APAC.
  - Mike of CNX and Mohan of MyIX raised their hands

**Session 3: Chaired by Abhi**

- Panel discussion: “Populate an Internet Exchange in small and medium cities”
  - Panelists: Narelle Clark (IX Australia) and Abhishek Gautam (NIXI/APIX)
  - Moderator: Katsuyasu Toyama (JPNAP/APIX)
  - Abhishek explained the background of this panel discussion, and presented NIXI’s approach in India. NIXI, managed with India government, is expanding internet exchanges in small and medium cities in India, for the purposes such as transit cost reduction, network security, and quality improvement.
  - Narelle presented internet exchanges they are operating in Australia and New Zealand. IX Australia, a membership organizations consisting of ISPs, is populating internet exchanges in small and medium cities under the members’ consensus, if criteria is satisfied such as data center service levels, number of service providers, and so on. Also connectivity to their internet exchanges in big cities is provided if necessary.

- Some attendees made comments from their experiences to populate it in small and medium cities; Jack of TWIX, Ha of VNIX, Kittinan of BKNIX
- Wrap-up
  - The APIX meeting #25 will be held on Sun 27th or Mon 28th Feb 2022
  - If APRICOT 2022 is held in person, APIX meeting is also in person