NIXI update @ APIX 2023

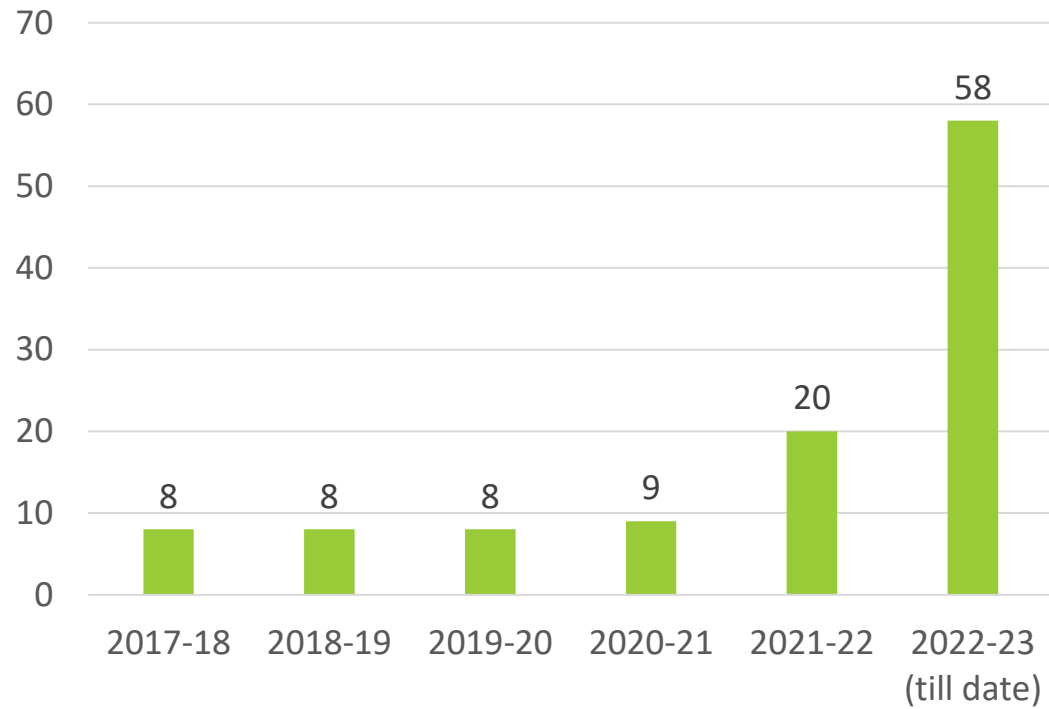Manilla, Philippines

NIXI Mission 75

- ➢ NIXI vision is to set up total 75 IXPs extending IX to Tier 2 and Tier 3 cities.

- ➢ Connect the edge nodes to the hub nodes at Metro.

- ➢ Content to regional ISPs at their doorstep and their end users.

- ➢ ISPs saving huge amount in terms of extending last mile till metro cities.

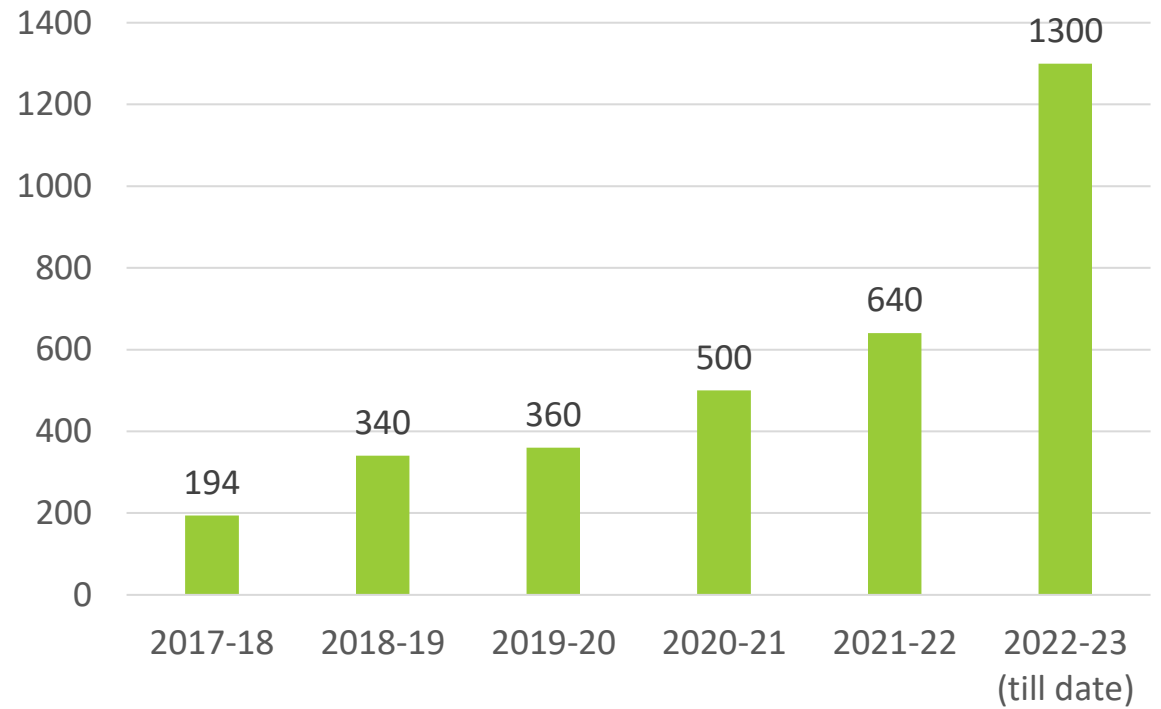- ➢ **Enable the Regional Internet ecosystem.**

The Problem Statement

➢ ISPs in tier-2 and tier-3 cities growing and also their customer base.

➢ They have to pay high NLD charges to Telco to peer at IX located at metro or to upstream provider for the content.

➢ Small ISPs face huge competition in their cities from big telcos and big players.

➢ They need solution at their doorstep to support their network and cost of operations.
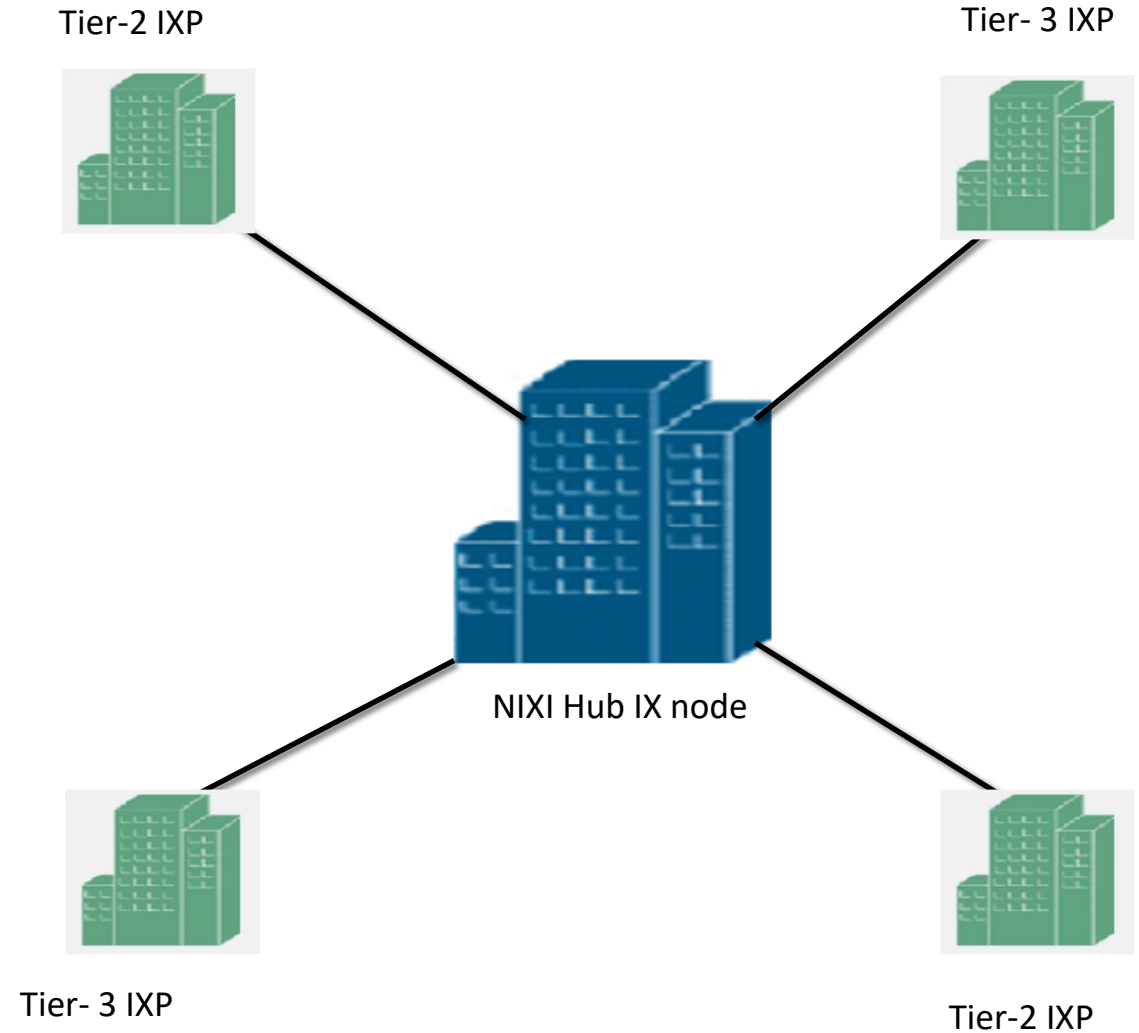
Where we are

IX Points

Year	IX Points
2017-18	8
2018-19	8
2019-20	8
2020-21	9
2021-22	20
2022-23 (till date)	58

Traffic (Gbps)

Year	Traffic (Gbps)
2017-18	194
2018-19	340
2019-20	360
2020-21	500
2021-22	640
2022-23 (till date)	1300

CURRENT SETPUP

- NIXI has setup 58 nodes strategically located to cater Indian geography.

- A robust interconnected network will be created at NIXI's own cost to support the regional ISPs operating in tier 2 & 3 cities of India.

Tier-2 IXP

Tier- 3 IXP

NIXI Hub IX node

Tier- 3 IXP

Tier-2 IXP

Challenges so far

- Identification of the DC to co-lo the IXP

- Tender process

- Hardware short supply

- Delivery timelines

- High utilization

- Upgradation of P2P connectivity

- High capital-intensive proposition

Key Takeaways

IX are meant for ISPs – support tier-2 & tier-3 players.

Vision is to support regional internet ecosystem

Consumer expectations are same.

Bring content players at the edge IXP once threshold achieved.

Plan and operate as per stakeholder feedback.

Empowering Netizens