The Mauritius Internet Exchange Point – MIXP v2.0

MIXP

Mauritius Internet Exchange Point

Mauritius Internet eXchange Point v1.0

Inception	2005 (7th oldest exchange point in Africa)
Hosting Centre	Government Online Center (GOC)
Building	Cyber Tower1
Location	Ebene Cyber City

Technical Management by

AFRINIC

Peering Members

International Non-Profit Organisation 20%

11 Licensed ISP
ISP/Mobile Operators 80%

- ISP/Mobile Operators
- International Non-Profit Organisation

MIXP
Mauritius Internet Exchange Point

Challenges on MIXP v1.0

Operational

- Technical team are reluctant to make changes because of no governance model structure

- No community alignment on how the exchange should run and the importance of the IX

- No Redundancy

- No access after regular business hours

Future Growth

- Hosted in a government data center, it is very difficult to have international carriers or providers to come and host their networks here.

- MIXP not playing fully its complete role in involvement of the community

MIXP
Mauritius Internet Exchange Point

Addressing the Challenges observed on MIXP v1.0

Initial thought

Creating a second
Internet e**X**change **P**oint
in Mauritius

1. Providing a new platform for a second Exchange Point which will address the challenges of the MIXP.

2. A separate entity to the current MIXP with its own governance model.

3. Re-negotiating with the existing service providers to peer at the new Exchange point.

MIXP
Mauritius Internet Exchange Point

Addressing the Challenges observed on MIXP v1.0

Community driven

Extension to existing MIXP
MIXP v2.0

1. We thought it would be better to have the whole community and operators included in this journey to create a better Exchange point for Mauritius in which every one identifies themselves and have a sense of belonging to.

2. Create as much awareness as possible on the importance of the Exchange point so that the whole community unites together for better and bigger efficiencies.

MIXP
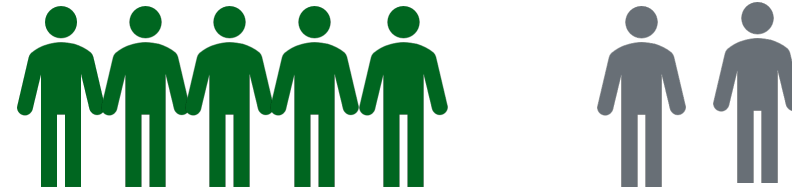Mauritius Internet Exchange Point

Addressing the Challenges observed on MIXP v1.0

Peering roadshow done by ISOC and PCH in Mauritius 1 month ago.

A new Management committee was set up 2 weeks ago with the collaboration of 5 volunteers from the existing peering members.
There are still 2 seats vacant to fill in and we have reached out to the community for more volunteers.

A new governance model was provided – after consultation with PCH and internet society.

Creating a difference with MIXP v2.0

Extension to existing MIXP - MIXP v2.0
The infrastructure

ISO 27001

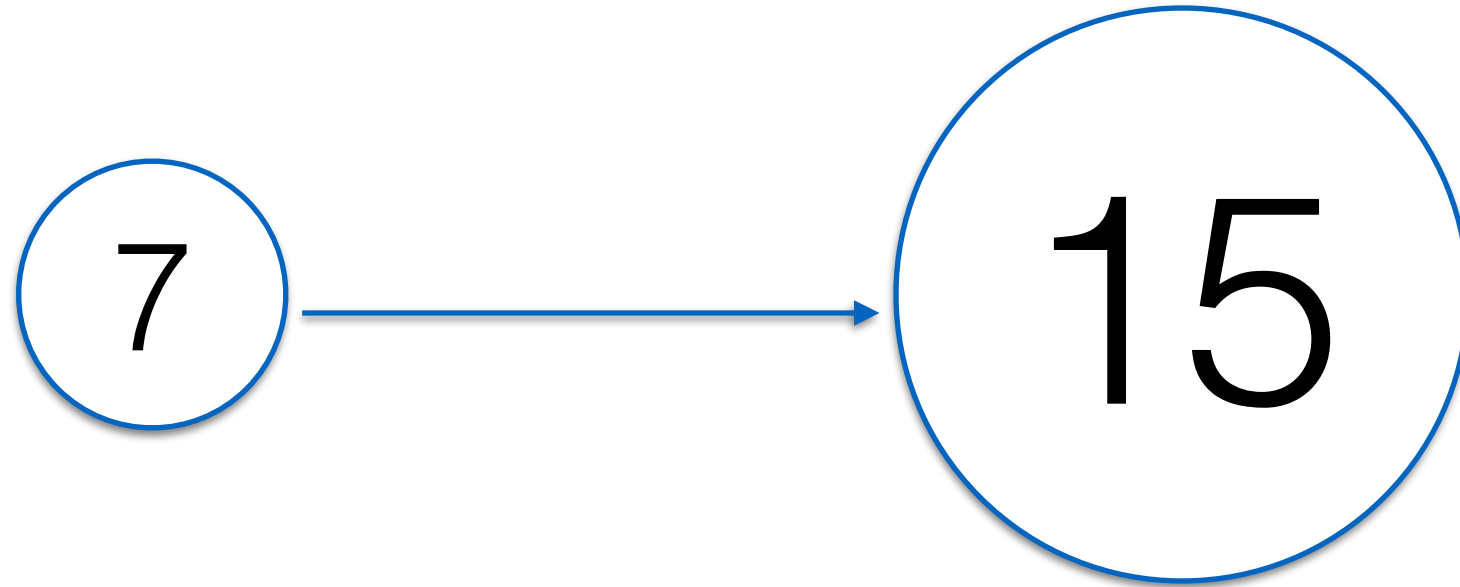MOU to have this platform replicated at other sites

- Carrier Neutral Data Center with Meet-Me room
  - Rack space sponsored by Rogers Capital
- ISO 27001 certified
- 24x7 Network Operations Centre
- In line with Data Center best practices over the world
- Upgraded platform of the Exchange
- 24x7 Access

MIXP
Mauritius Internet Exchange Point

Engagement has brought growth

7 → 15

The Mauritius Internet Exchange Point – MIXP v2.0

… the beginning ..

MIXP
Mauritius Internet Exchange Point