

Peering Opportunity with MMIX

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About MMIX

Objects

- to provide IP peering facilities via open, neutral, industrial owned Internet Exchange Point.
- to provide add-on services which are common requirement.
- To promote Local Content hosting locally in Myanmar.

About MMIX

- In service since September 2017. (1 year and 8 months old)
- Member/participant of APNIC, APIX and MANRS
- 12 Peering Members + 4 Associate Members (total 16)
- About **10Gbps** Aggregate Traffic.
- Data Center is at True IDC, Yangon.

MMIX Services

MMIX Services

- Providing L2 Peering Infrastructure
- Addon Services over Peering Infrastructure
 - Route Servers
 - Looking Glass
 - Route Validator RPKI
 - CDNs
 - DNS Root Servers
 - RTBH
 - Other relevant services

How to connect MMIX

Documentation: Membership form, By-laws, Agreement. Payment: OTC, MRC Transmission: **Owned effort by Member up to MMIX's demarcation Point.** Peering: Update Peering DB, setup BGP sessions with Route Servers or Peers.

Demarcation Points of MMIX POP (TrueIDC)

Cross Connect:

If member's network already arrive in True DC.

Meetme Room:

Shall allow up to fiber 2 cores from Meetme to IX Rack or Member's rack.

Outdoor Cabinet near Gate 3:

Shall allow up to fiber 2 cores from Cabinet to IX Rack or Member's rack.

Information for Tentative Members

DC Choice for Content Providers

DC of MMIX POP True IDC, MICT Park, Yangon **DC of MMIX Members** YTP Data Center – MICT Park, Yangon AGB Communication – Hlaing Tharya, Yangon Horizon Telecom – MS2 Tower, Yangon Other DCs already reached network of MMIX members. Myint & Associate – Pyi Road, Yangon GTMH Telecom – East Dagon, Yangon MICTDC – MICT Park, Yangon - New

Telecom License – https://ptd.gov.mm

1-April-2019 - update

License	No. of Issued	
Nationwide Telecommunications	4	
Network Facilities Service (Individual)	67	
Network Service (N)	17	
Network Facilities Service (Class)	60	
Application Service (A)	31	
Total	179	

To Cross Border and Service in Myanmar

- Need:-
- Nationwide Telecommunications License (Or)
- Network Facilities Service (Individual) plus additional International Gateway (IGW) License.

So far, there are total 17 IGW license holders.

MMIX's Messages

MMIX Messages

Participation of Technical Strong persons, MMIX

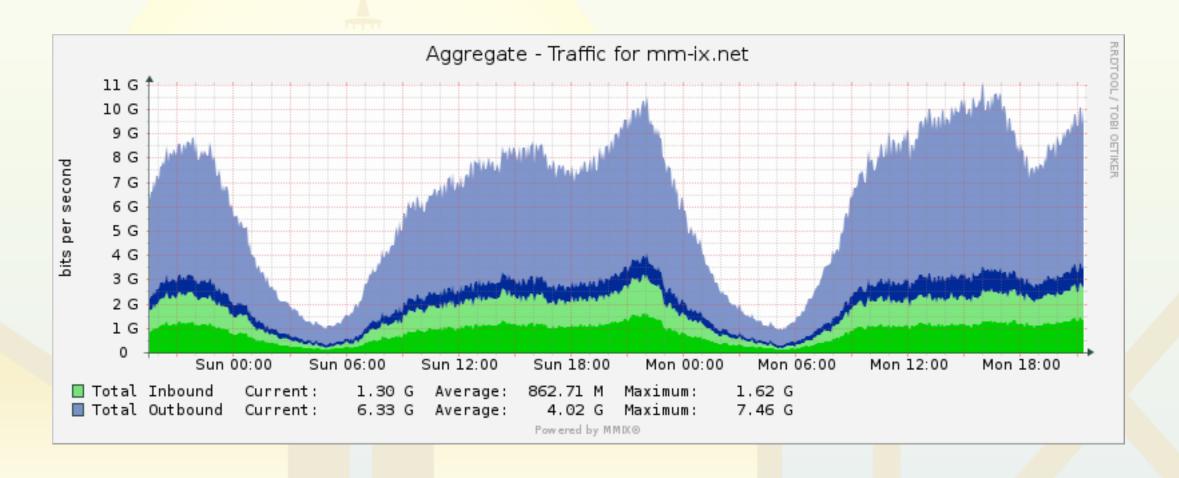
ever updates new technologies.
follows industrial standard

RPKI ready and in service.

Dropping RPKI invalid routes

MMIX shall be V6 ready in this year 2019

Traffic Graph at home of http://www.mm-ix.net

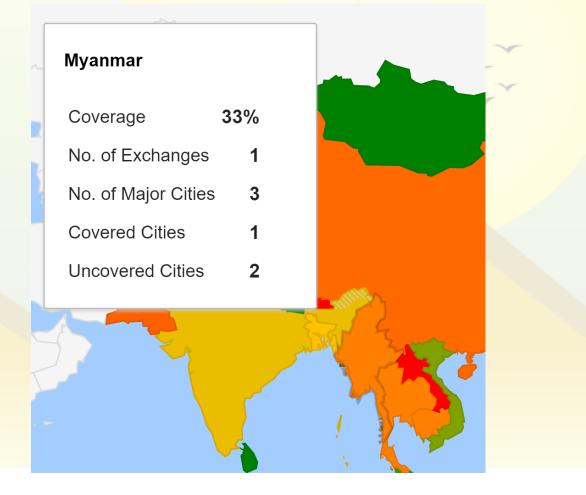


RPKI Valid at http://lg.mm-ix.net

XMMIX	Myanmar Internet Exchange Looking Glass Ig.mm-ix.net	rs1.mm-ix.net (IPv4) » Member 1 - peer 1 - AGB-1						
		Q	Filter by Network or Gate	Nay				
ROUTE SERVERS							Go to: Accepted	
MMIX-YGN	•	ROUTES	S ACCEPTED			SI	howing all of 7 routes	
rs1.mm-ix.net (IPv4) Bird 2.0.4			Network	Gateway	Metric	AS Path	Origin	
rs2.mm-ix.net (IPv4) Bird 2.0.4		0 🖈	103.200.132.0/22	103.116.194.11	100	134739	IGP	
		0 🛧	103.200.133.0/24	103.116.194.11	100	134739	IGP	
		0 🛧	103.200.134.0/24	103.116.194.11	100	134739	IGP	
		0 🛧	103.200.135.0/24	103.116.194.11	100	134739	IGP	
	RPKI Valid	•	103.83.188.0/22	103.116.194.11	100	134739 136210	IGP	
		0 🖈	121.54.164.0/22	103.116.194.11	100	134739	IGP	

MMIX's Future

MMIX Service Coverage



Yangon – covered Mandalay – Not Yet Naypyitaw – Not Yet

Exchanges and POPs

YANGON:

Shall extend existing Exchange to multiple POPs (depend on Customers' demand & Budget)

MANDALAY:

Shall be 2nd MMIX Exchange in near Future.

NAYPYITAW:

Shall be remote Peering or extend POP of Yangon and Mandalay. (Shall be in line with the development of E-Government and E-Commerce)

MMIX Peering Forum and MMNOG Event

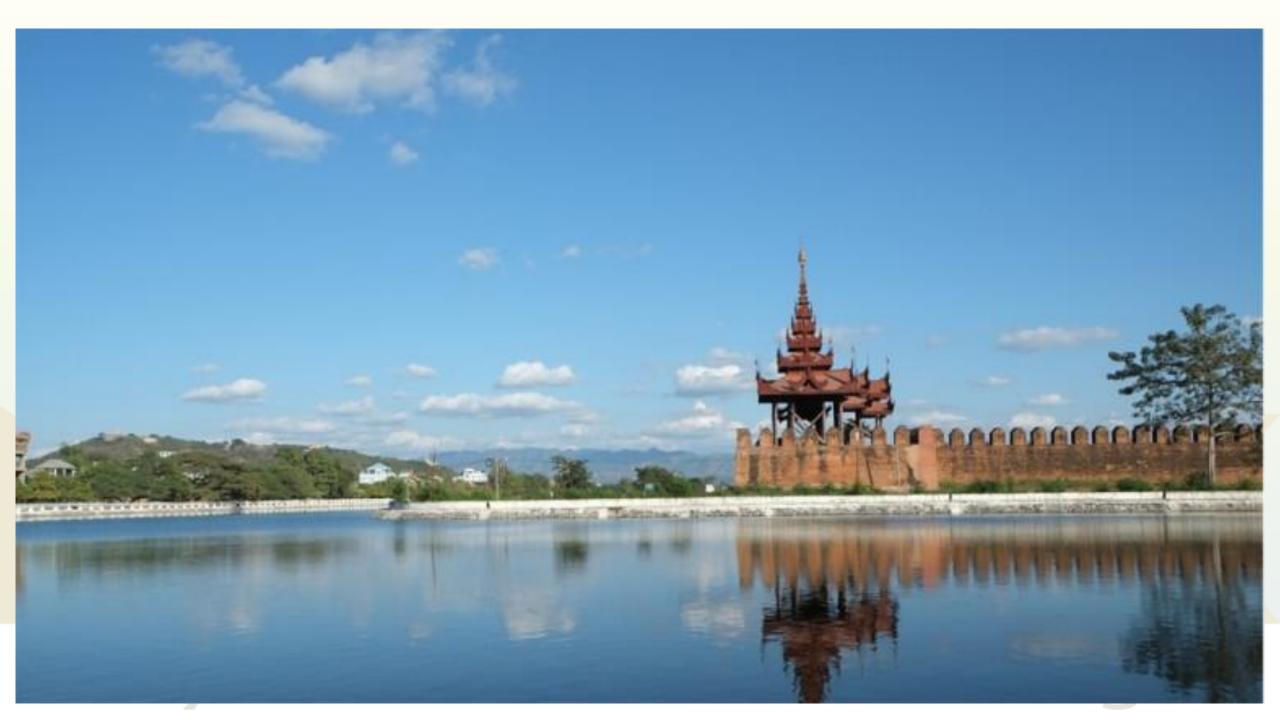


PEERING FORUM 2019

on 2-5 May, in Yangon



Peering Forum and MMNOG 2020 Event Shall be in Mandalay 2nd Largest City of Myanmar



Thank You

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