



manitoba internet exchange

# Operations Report

May 1st, 2018

Jonathan Stewart  
Theodore Baschak

# Changes in Past Year

- 6 New Members / Peers
  - Zirro
  - Fastnet
  - Teksavvy
  - Cloudflare
  - Full Throttle (installing)
  - Nutrien (installing)

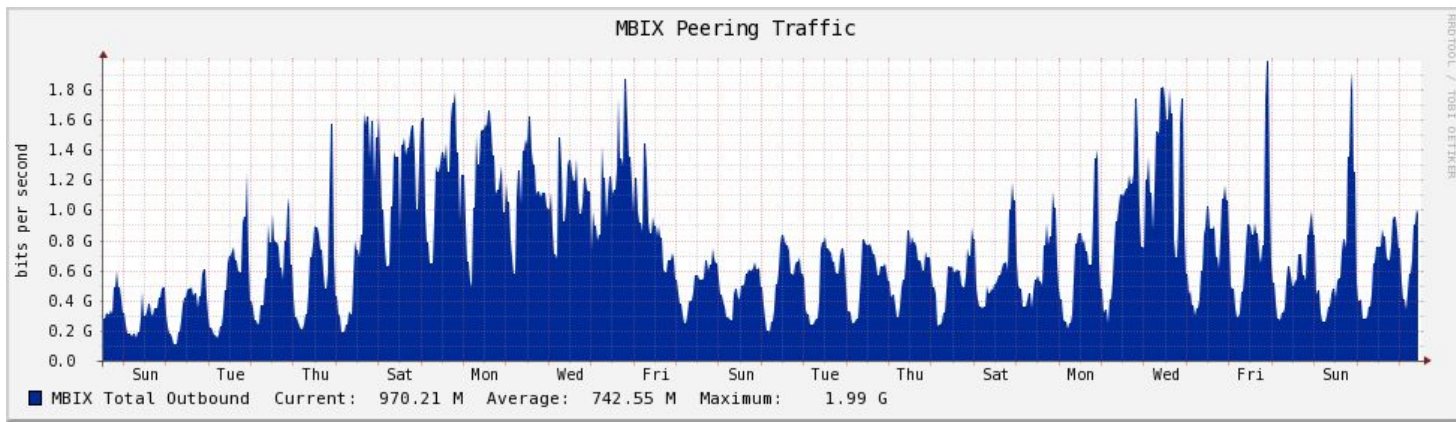
# Outages/Incidents in the past year

- None
- 100% uptime

MBIX had no major incidents or maintenance, systems were fully functional the entire year

# MBIX By The Numbers

- Connected members: 23 (+4)
- Installing members: 3 (+2)
- 1 Gb ports: 12
- 10 Gb ports: 18
- Port capacity: 192 Gbps (+69)
- Daily Peak: ~ 2 Gbps (+1)



# Use PeeringDB

PeeringDB  [Register](#) or [Login](#)

[Advanced Search](#)

## Manitoba Internet Exchange Inc.

Organization	<a href="#">Manitoba Internet Exchange Inc.</a>
Also Known As	MBIX
Company Website	<a href="http://www.mbix.ca/">http://www.mbix.ca/</a>
Primary ASN	16395
IRR Record	AS-MBIX
Route Server URL	
Looking Glass URL	<a href="http://lg.mbix.ca/">http://lg.mbix.ca/</a>
Network Type	Non-Profit
IPv4 Prefixes	4
IPv6 Prefixes	4
Traffic Levels	100-1000Mbps
Traffic Ratios	Balanced
Geographic Scope	Regional
Protocols Supported	<input checked="" type="radio"/> Unicast IPv4 <input type="radio"/> Multicast <input checked="" type="radio"/> IPv6
Last Updated	2016-04-07T15:24:18Z
Notes	MBIX uses AS16395 for peering and for service networks transited to the global internet.

### Public Peering Exchange Points

Exchange	IPv4	Speed
ASN	IPv6	RS Peer
<a href="#">MBIX</a>	206.72.208.1	1G
16395	2001:504:26::1:6395:1	<input checked="" type="radio"/>

### Private Peering Facilities

Facility	Country
ASN	City
<a href="#">Global Server Center</a>	Canada
16395	Winnipeg
<a href="#">Les.net YWG2</a>	Canada
16395	Winnipeg

### Peering Policy Information

Peering Policy	
General Policy	Open
Multiple Locations	Not Required

# Use IRR - Internet Route Registries

MBIX and the entire industry is concerned about bad routes being shared--route security.

Today's best method of route authority is IRR, despite its limitations. If you run BGP, you should maintain your own IRR objects.

- MBIX filters peers, moving towards automation using IRR
- Use ARIN IRR -- it's free
- Many tools exist to make IRR useful to you

# Questions?

The End



**KEEP  
CALM  
AND  
PEER  
ON**