Operations Report

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Changes in Past Year

- New Members / Peers
  - Commstream Communications (AS32773)
  - Verisign GTLD (AS26415)
    - J root
    - B GTLD (com/net) root
    - v6 enabled recently
- 3rd Location in the works
  - MOU signed
  - 360 Portage, 24th floor
- New Services cabinet
- RIPE ATLAS anchor

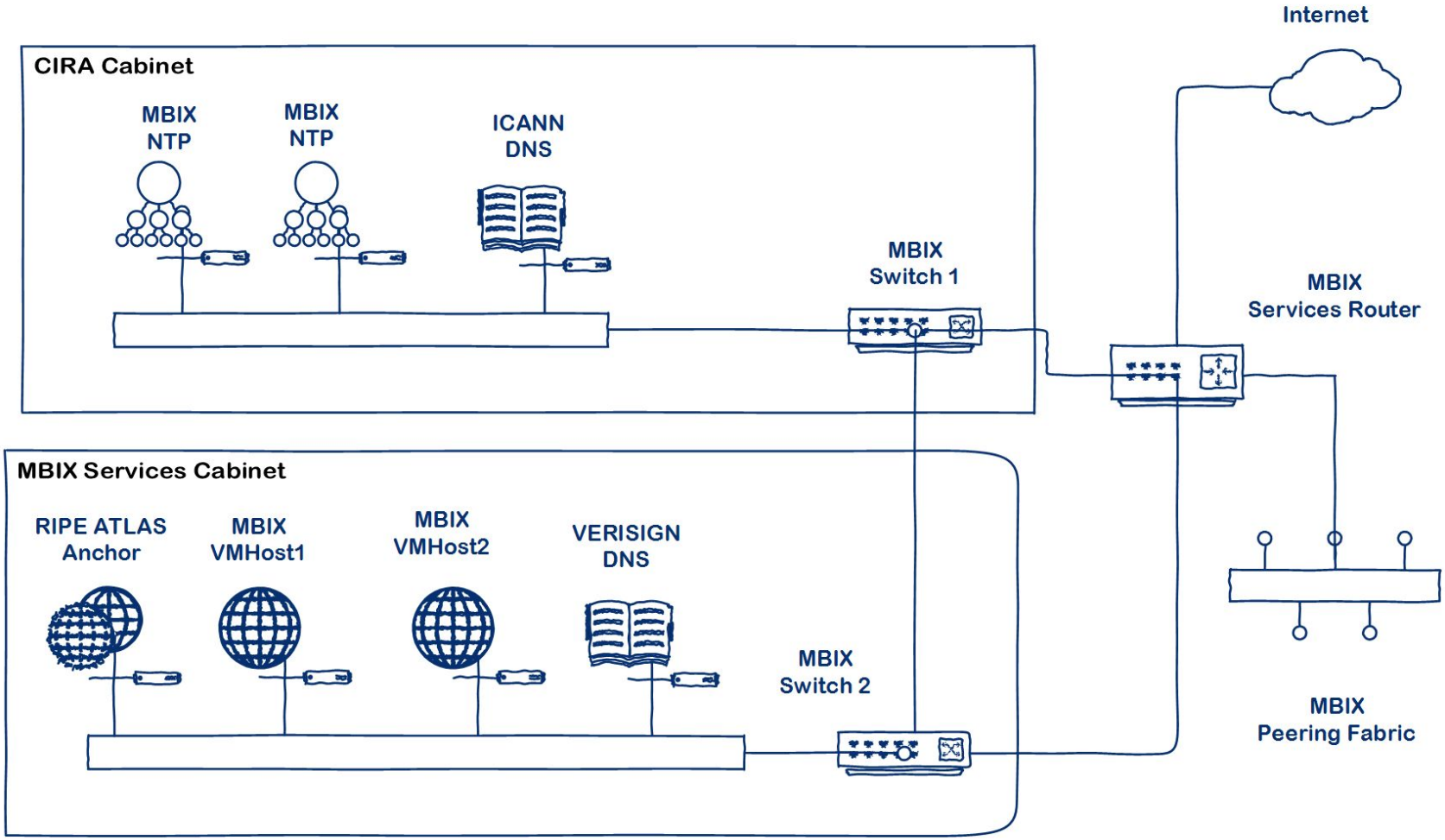
Failure during Maintenance

- October 2016
- Power maintenance to one 120 V circuit feeding 7004
- One PSU failed, temp 220 V power installed next day
- Supervisor could not remember config after reboot
- New supervisor arrived with incompatible NX-OS (!)
- Power moved back to standard 120 V power
- 3 outages, but able to shutdown gracefully

New Services Cabinet

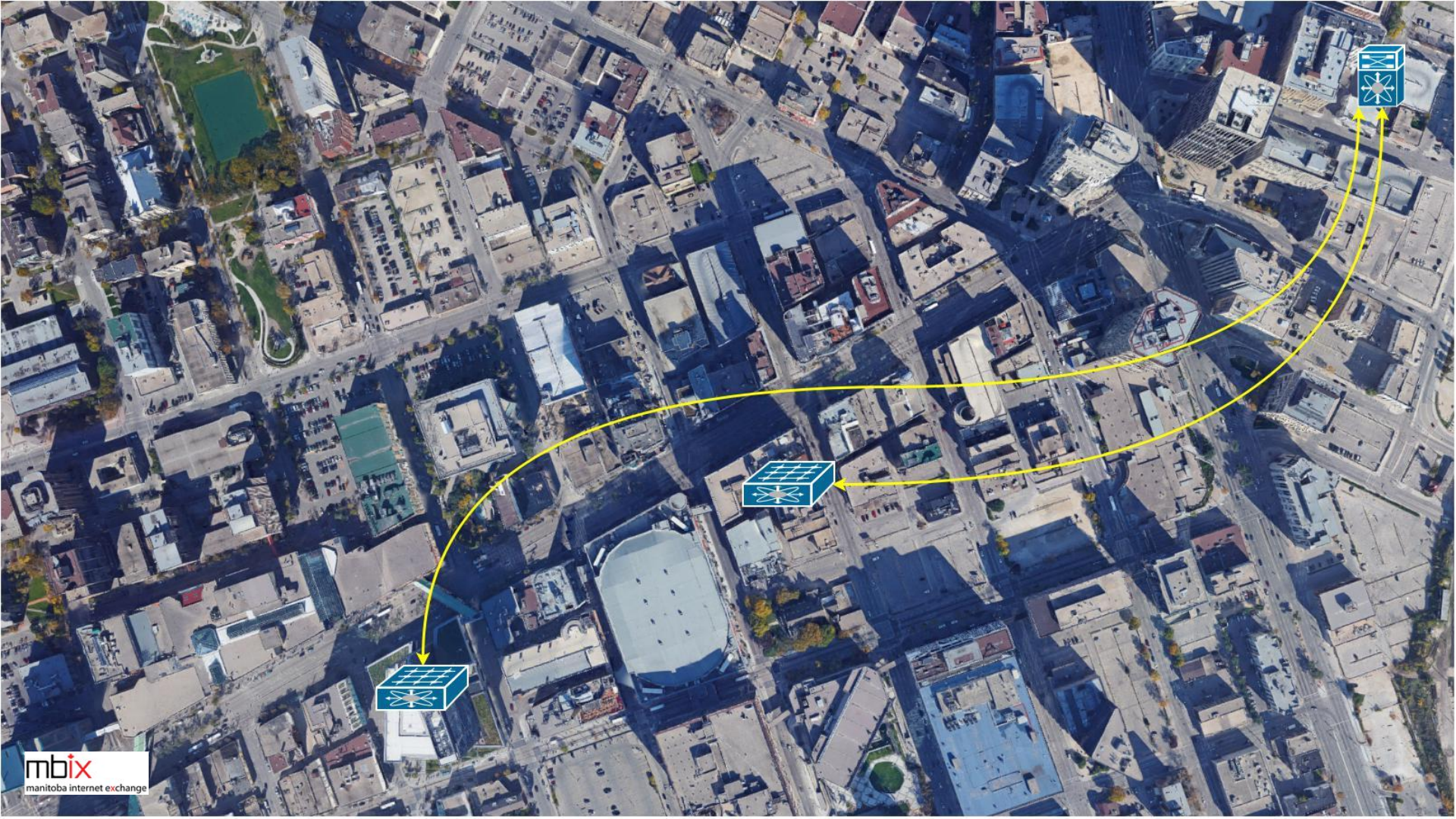
- GSC donated a full cabinet to MBIX
- MBIX purchased a Juniper EX3400 switch
- Holds Verisign DNS node
  - Server provided by Verisign
  - B.gtld-servers.net answers for .com and .net
  - J.root-servers.net answers for the root zone (.)
- Holds RIPE ATLAS anchor
  - Collects internet performance measurements
  - Part of the global ATLAS project organized by RIPE
  - Donated by community member Scott Brooker
- Holds VM servers
- Plenty of space available for additional hosted services

MBIX SERVICES NETWORK



New Datacentre Expansion

- Manitoba Hydro Telecom facility at 360 Portage Avenue
- Agreement signed between MBIX and MHT
- Many Manitoban carriers present
- Inter-building dark fibre to 294 Portage donated by LES.NET
- MHT will donate ⅓ cabinet of rackspace, fibre to basement
- Equipment and configuration not finalized
- Possible use of CWDM to interconnect facilities
- Fibre not yet spliced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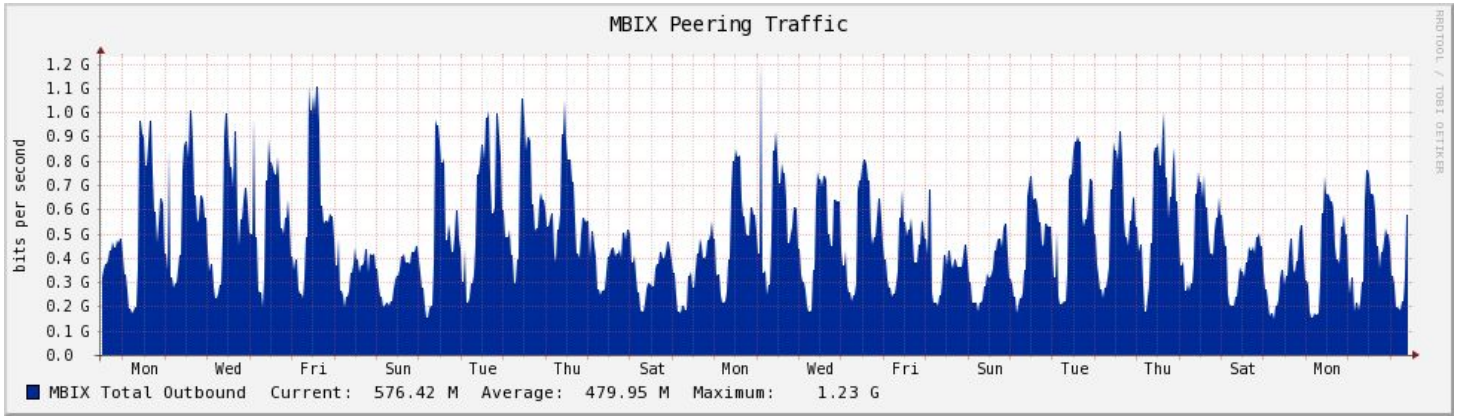
MBIX By The Numbers

- 21 connected members
- 24 total connected ports
- 123 Gbps connected port capacity
- 3 DNS root servers
- 1 Gbps daily peak traffic



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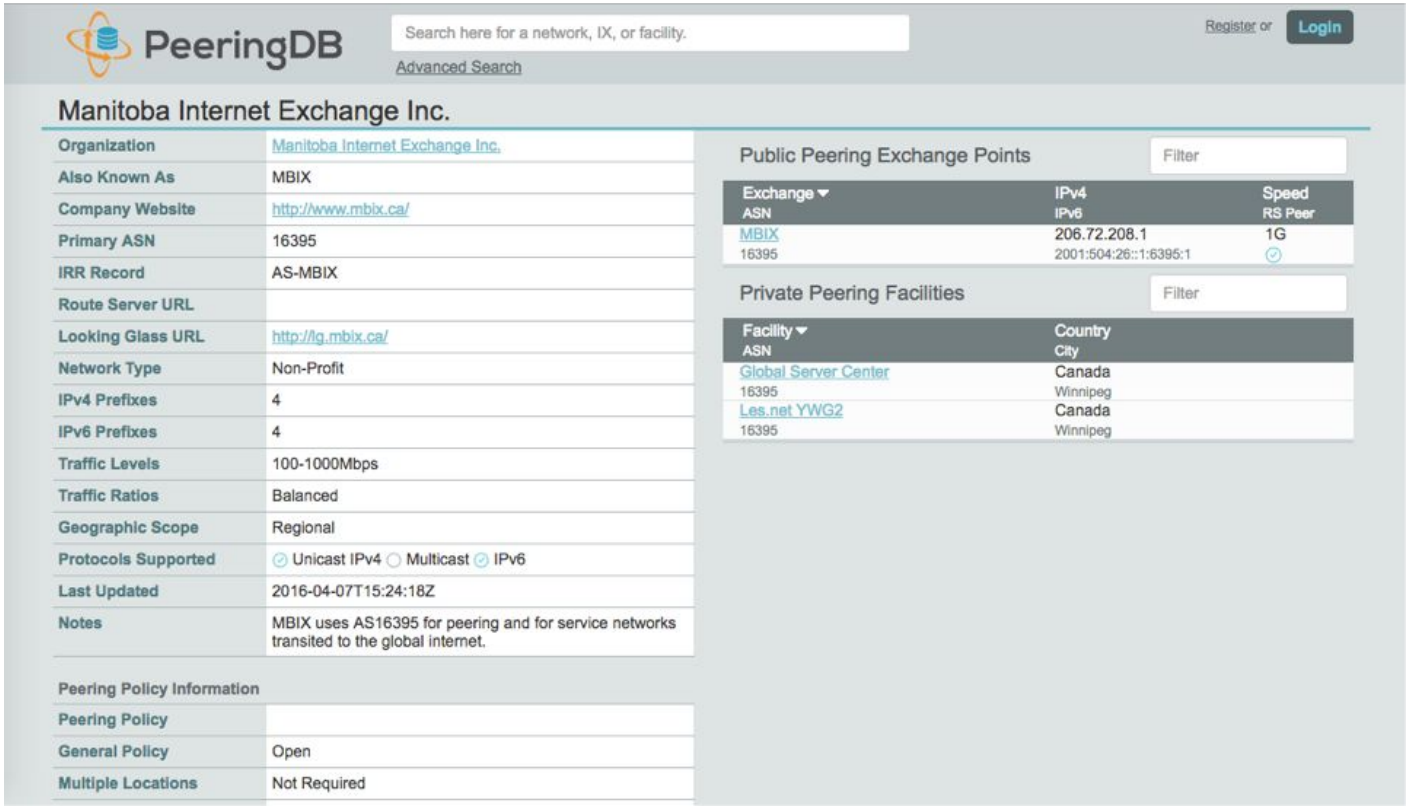
Internet Route Registries

- MBIX filters peers
- Use an IRR (ARIN = Free, RADB = $$)
- It will help your routes propagate thru peering sessions at IXPs
- Experiments w/ IRR filtering on Route Servers at AMS-IX

PeeringDB



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Questions?

The End