

BANGLADESH INTERNET EXCHANGE (BDIX)

SANOG24 UPDATES



August 02, 2014

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BDIX NEWS

BDIX Receives Formal License

As of June 18, 2014, BDIX receives license to operate as National Internet Exchange (NIX) from the Bangladesh Telecommunication Regulatory Commission (BTRC) to route domestic internet traffic.



info@bdix.net

ABOUT BDIX

BDIX is the first Internet Exchange Point (IXP) of Bangladesh and was established to provide physical interconnection for its members to exchange and route local Internet traffic locally.

So far more than 50 organisations of different types (ISPs, mobile operators, content providers) are peering through BDIX.

Like most other IXPs of the world BDIX is run with membership fees paid by the connected members, and are operated for the benefit of the members and the Internet community at large.

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ABOUT BDIX

Since 2004, BDIX has been working to improve Internet infrastructure in Bangladesh by supporting the intercommunication between different ISPs and Telco's in the country.

Initially UNDP Bangladesh provided the equipments and financial support

BDIX is registered under the Trust Act of Bangladesh and is governed by its Board of Trustee consists of the persons elected from the renowned professionals of the country and senior management of prominent ISPs.

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MANDATE

Basic mandate of BDIX is to provide high-speed, reliable and resilient IP traffic exchange facilities for the Internet Service Providers (ISPs), Telco's and content providers allowing them to route IP traffic efficiently within Bangladesh and thereby provide faster, more reliable and lower-latency Internet access for their customers.

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COMMUNITY SERVICES

Over the years BDIX has sponsored, facilitated or supported several projects, events and developments initiative. All are done for the development, betterment and progress of Internet and Internet community of Bangladesh.

- a. Besides its Internet Exchange Point Services, in collaboration with different internationally reputed organisations it hosts and operates the services of F-root server, Apnic Community services, Verisign TLD Services, Team Cymru community services, etc for the Internet community.
- b. Facilitating several training program in collaboration with organisations like APNIC, ISPAB etc.
- c. Research and statistics projects (Caida, RIPE, ISC, PCH).
- d. Set up and sponsoring of ISP conferences, peering events and tools.

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TECHNICAL INFORMATION Bdix

- ✖ Layer 2 Internet Exchange Point
- ✖ Supports both MLPA and BLPA
- ✖ Any organization having ASN and own Internet Transit can be a member

TECHNICAL INFORMATION BDIX

- ✘ Carrier grade cisco switch which support 100Mbps & 1000Mbps Bandwidth
- ✘ Mostly are connected at a speed of 100Mbps
- ✘ Dual stack. Supports both IPv4/IPv6.
- ✘ 6 ISPs are now peering in IPv6

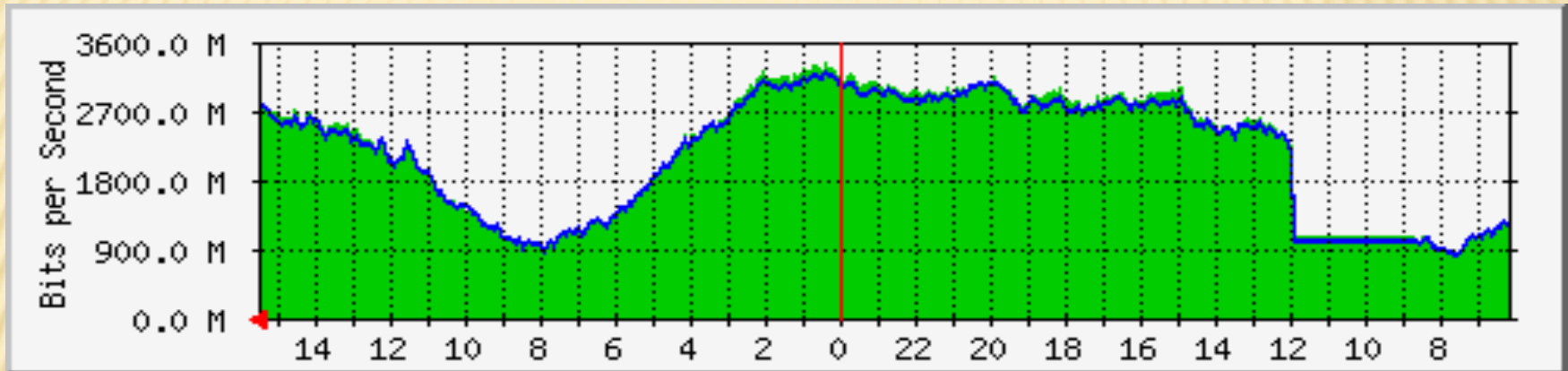
TOOLS

- ✗ F Root Server Mirror for Faster DNS Query
- ✗ APNIC Community DNS Server
- ✗ Also Hosting Team Cymru POD for flow analysis and Malware detection
- ✗ PCH hosted looking glass server and .ORG Mirror along with number of ccTLD mirrors

TOOLS

- ✗ gTLD mirrors(.COM/.NET) hosted by VeriSign
- ✗ BDIX hosted SIP Interconnection Server among ITSPs
- ✗ Caida Monitoring

PRESENT TRAFFIC



Max

Average

Current

In

3312.8 Mb/s
(33.1%)

2179.9 Mb/s
(21.8%)

2785.9 Mb/s
(27.9%)

Out

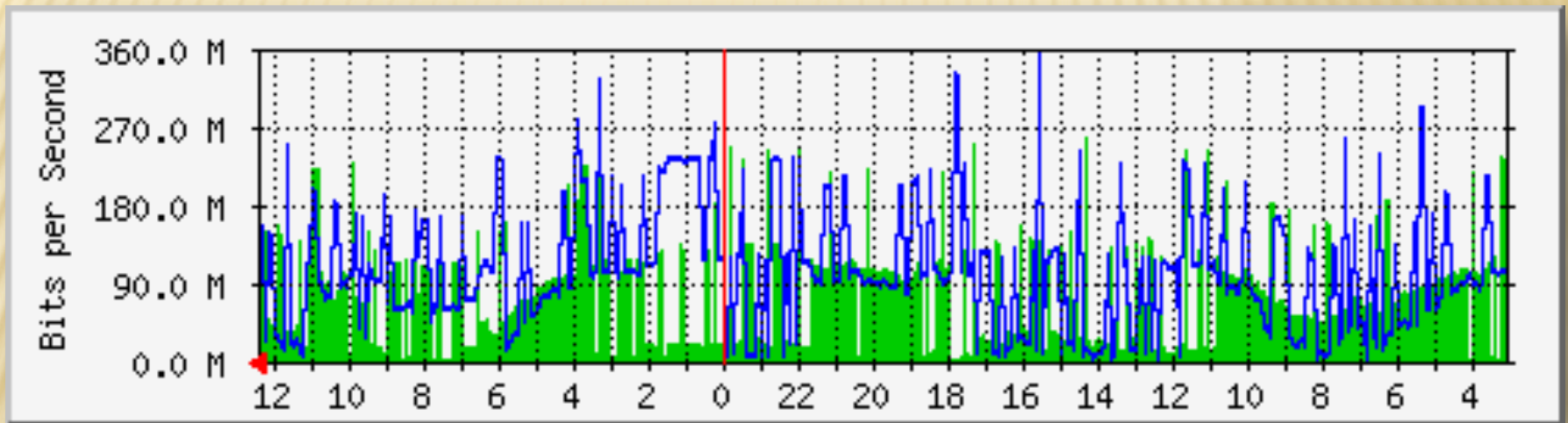
3177.2 Mb/s
(31.8%)

2116.8 Mb/s
(21.2%)

2739.6 Mb/s
(27.4%)

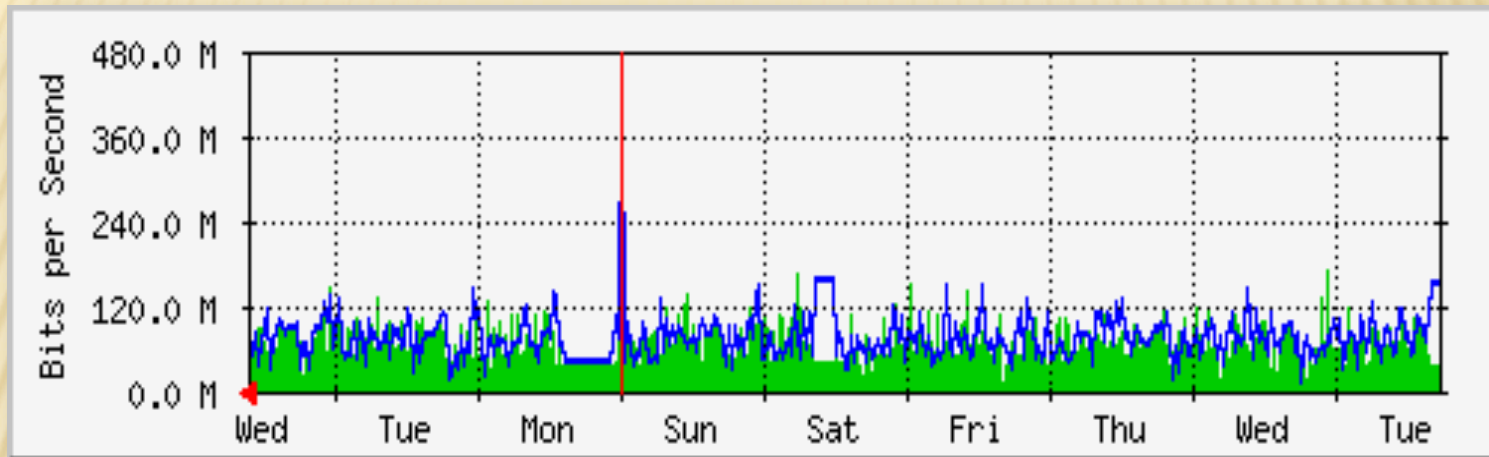
July 23, 2014

PAST TRAFFIC

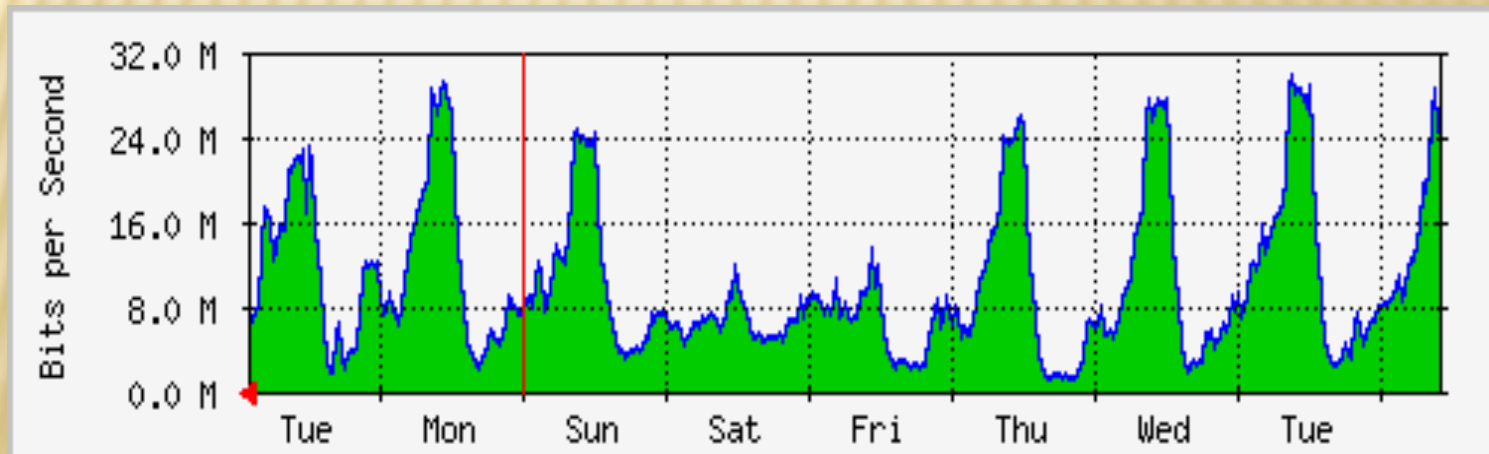


July 16, 2012

PAST TRAFFIC : WEEKLY VIEW



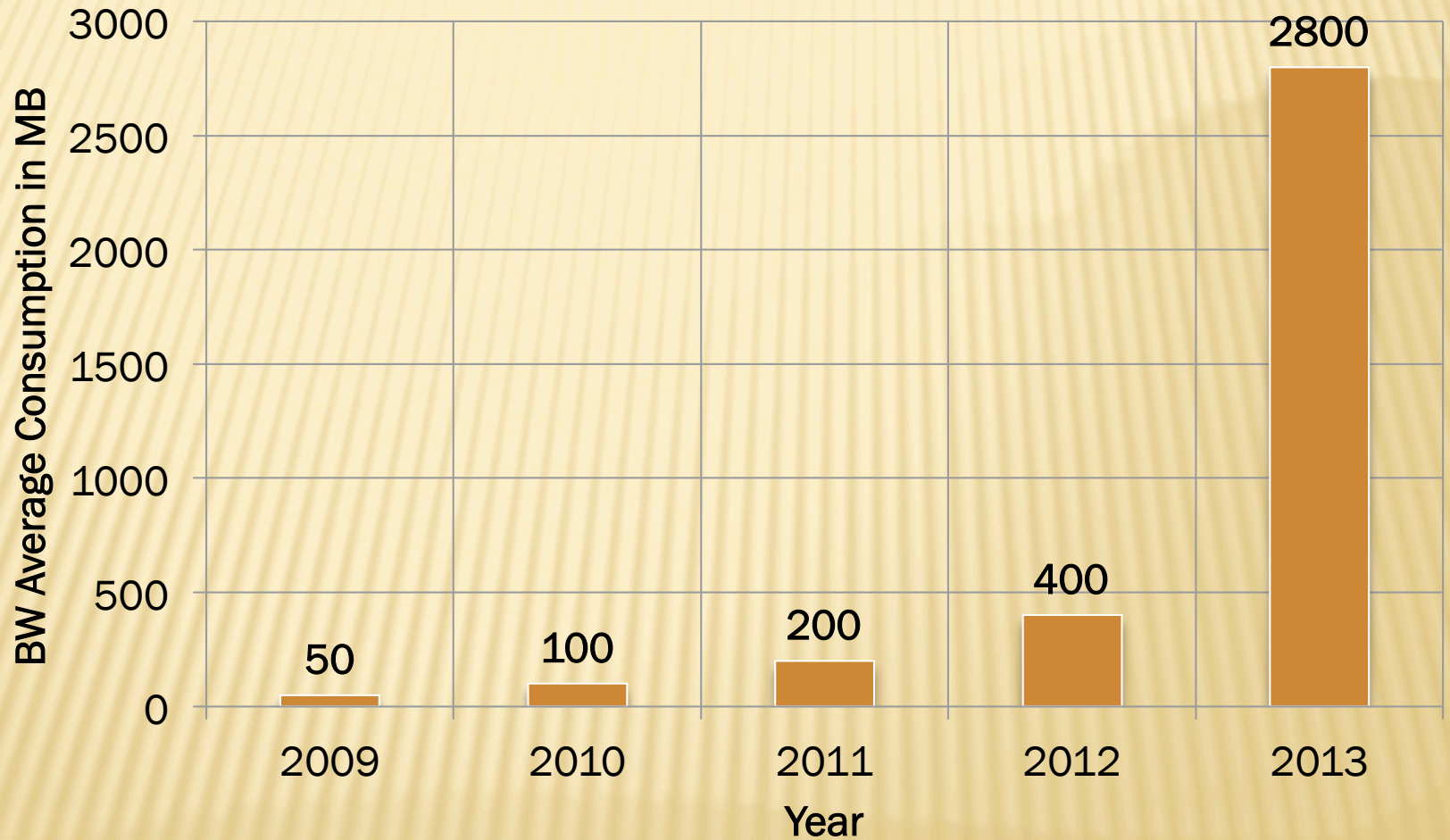
September 14, 2011



March 02, 2010

<http://www.bdix.net/>

BDIX TRAFFIC GROWTH OVER THE YEARS



UPCOMING CHANGES

- ✖ More IPv6 Peering
- ✖ Others Telco's are on the Queue to be member of BDIX.
- ✖ NIX schema to be proposed by the Gov. Agencies.

THANK You