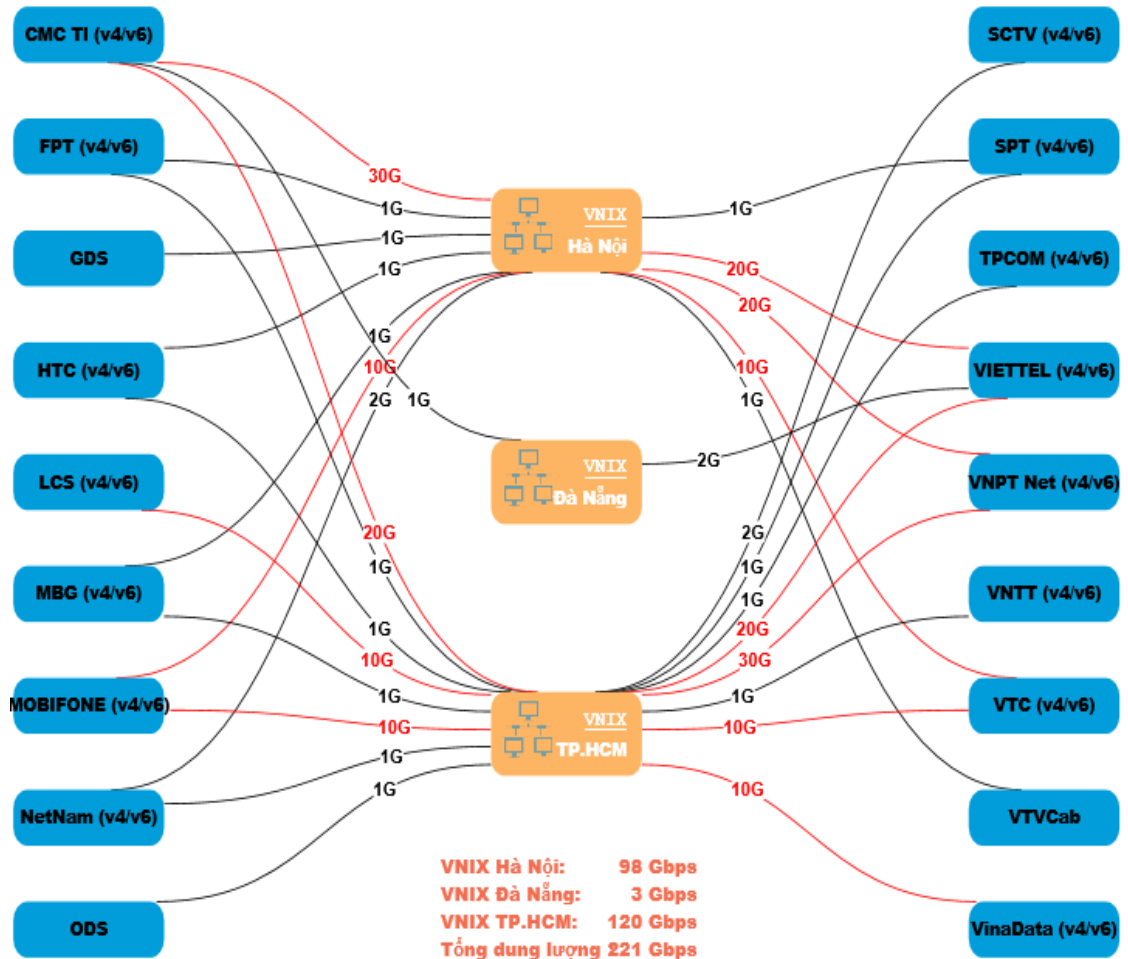# VIET NAM NATIONAL INTERNET EXCHANGE VNIX
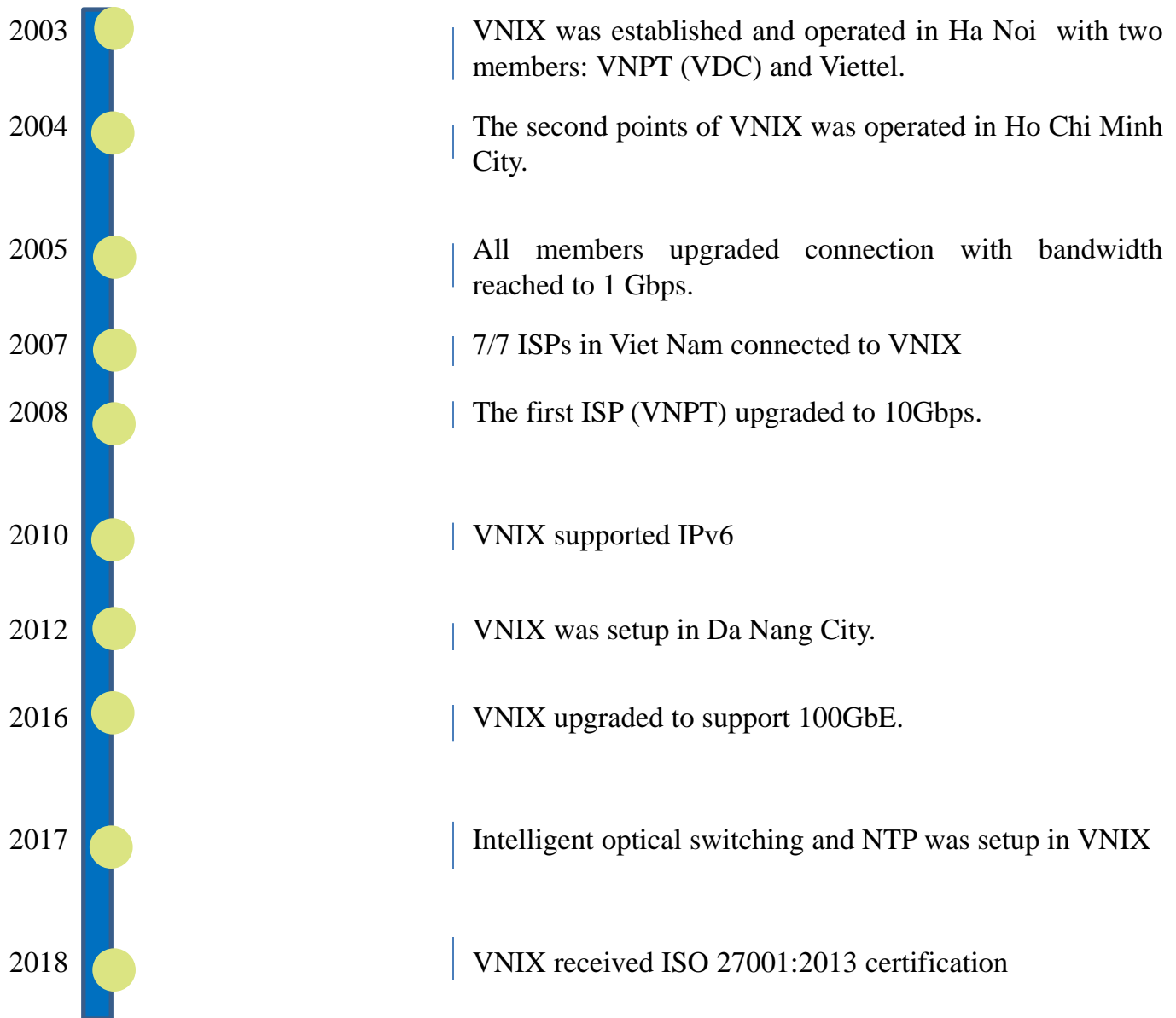

https://vnnic.vn

About VNIX

Since 2003, Viet Nam National Internet Exchange (VNIX) has been deployed, managed and operated by Viet Nam Internet Network Information Center (VNNIC). The major goal of VNIX is the acceleration of the growth of the Viet Nam Internet, it is a neutral, non-profit Internet Exchange. VNIX constitutes an important national infrastructure as it interconnects all significant Internet service providers (ISP) in Viet Nam. VNIX is a distributed Internet Exchange with presence in three locations in Ha Noi, Ho Chi Minh and Da Nang City.

Milestones

Year	Milestone
2003	VNIX was established and operated in Ha Noi with two members: VNPT (VDC) and Viettel.
2004	The second points of VNIX was operated in Ho Chi Minh City.
2005	All members upgraded connection with bandwidth reached to 1 Gbps.
2007	7/7 ISPs in Viet Nam connected to VNIX
2008	The first ISP (VNPT) upgraded to 10Gbps.
2010	VNIX supported IPv6
2012	VNIX was setup in Da Nang City.
2016	VNIX upgraded to support 100GbE.
2017	Intelligent optical switching and NTP was setup in VNIX
2018	VNIX received ISO 27001:2013 certification

Location

VNIX-HN

Ha Noi:

- *VNNIC Building : Hoa Lac Hi-Tech Park - Thach That.*
- *MITEC building, Duong Dinh Nghe street, Cau Giay county.*

VNIX-ĐN

Da Nang:

- *VNNIC Building : 21, Road 7, An Don Industrial Zone, Hai Chau District, Da Nang City.*

VNIX-TP. HCM

HCM city:

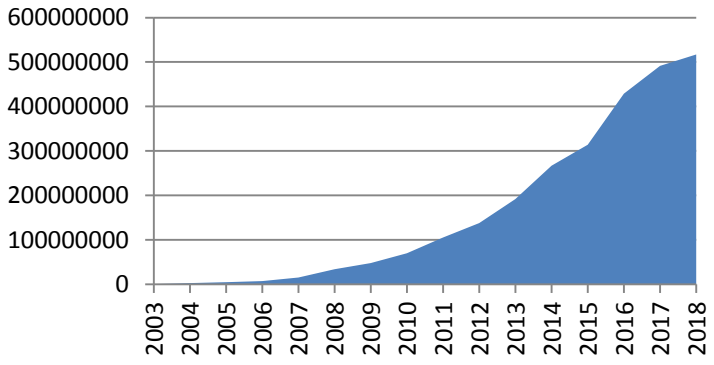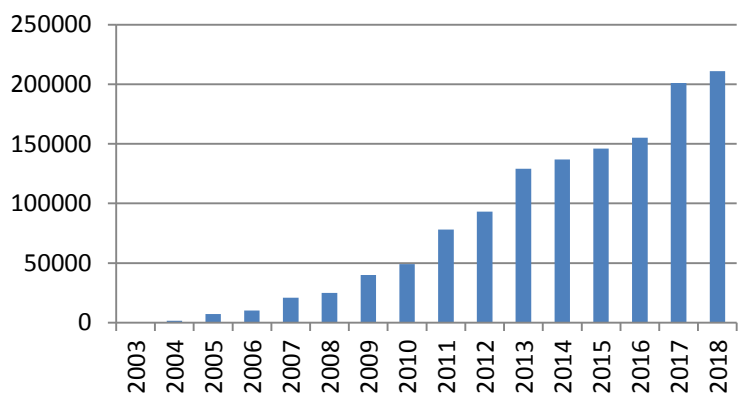- *VNNIC Building: Street 20 Tan Thuan Export Processing Zone, District 7.*

Benefit - Growth

4 VNIX points	18 Members	15 IPv6 members	21 Port 1Gbps	20 Port 10Gbps	517.111 Tbytes Traffic

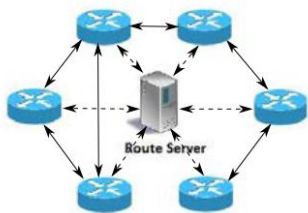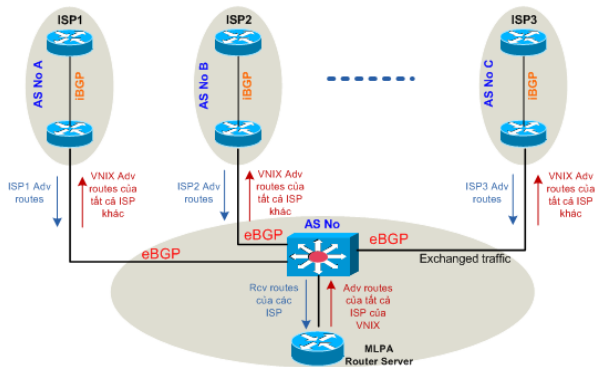In 2018, the total VNIX connection bandwidth reached 221 Gbps.

Traffic in VNIX has increased steadily over the years.

Technical

Topology:

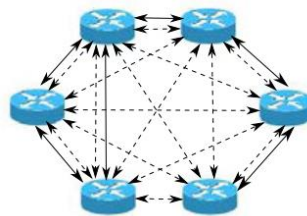Layer 2 switching topology. Support multilateral, bilateral connection.
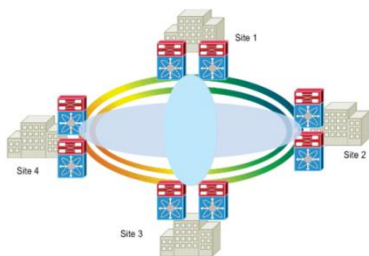
Routing:

Route Server (RS): management routing information with the border routers of members.

Traffic

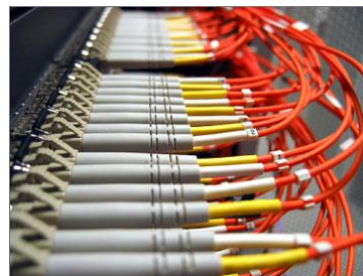The traffic will pass through the central switch of the VNIX.

Safety and availability :

The system ensures high security, preventive 1 + 1 and connected the other points ...

High-speed connectivity:

Support high-speed fiber optic connections: 10/40/100Gbps; connection multiplexing; standard: SFP, SFP +, XFP,….

IPv6 support:

Support IPv4 /v6 dual

Infrastructure

IDC infrastructure ensures high safety with international standards.

Power is provided from two transformer stations with two different power and backup with Generator system

Air condition system with N+1 redundant configuration

Fire protection system by using FM200 air. Monitoring environmental system dedicated,…
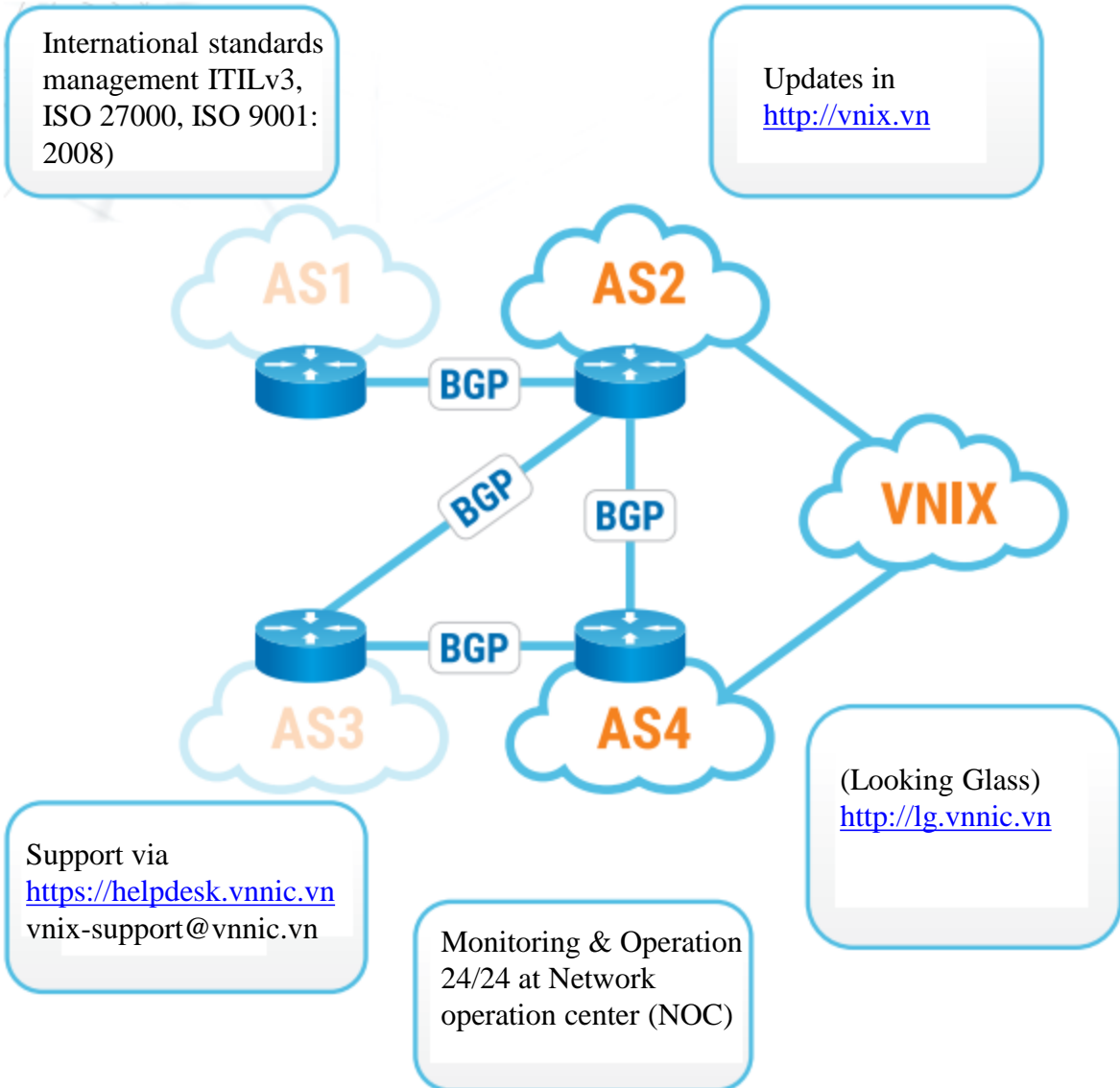
Monitoring system In/Out via camera, magnetic card

Operation by a team of technicians, engineers with high qualifications 24/24.

Management, Support - Infrastructure

International standards management ITILv3, ISO 27000, ISO 9001: 2008)

Updates in
http://vnix.vn

AS1

AS2

BGP

BGP

BGP

VNIX

BGP

AS3

BGP

AS4

(Looking Glass)
http://lg.vnnic.vn

Support via
https://helpdesk.vnnic.vn
vnix-support@vnnic.vn

Monitoring & Operation 24/24 at Network operation center (NOC)

NOC - Hà Nội

024. 3556.5335
024. 3782.1714 - 600

NOC - Đà Nẵng
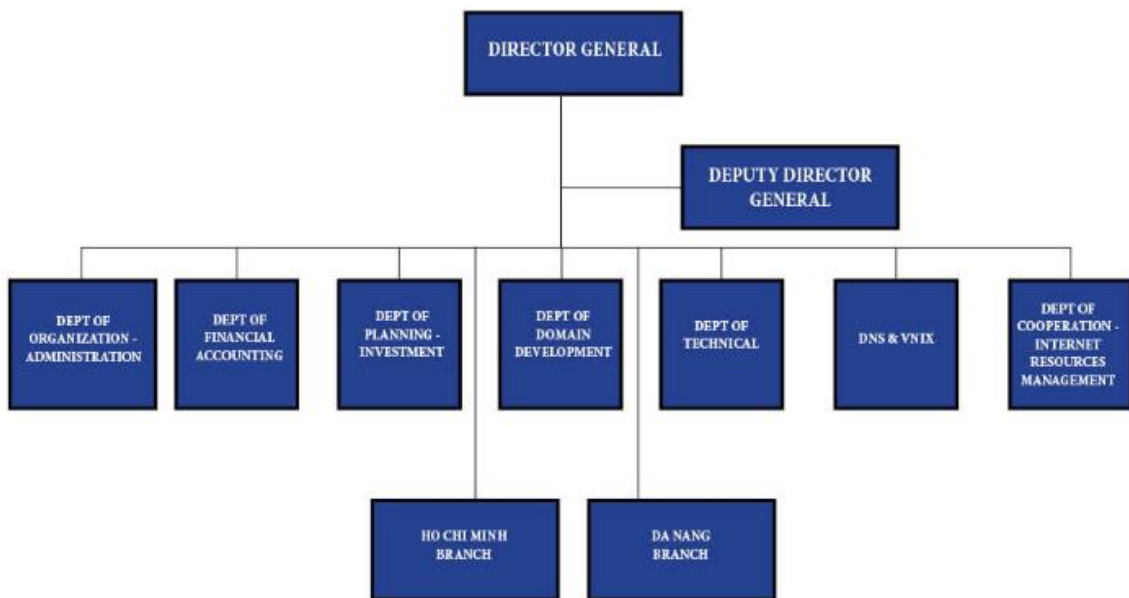
0236. 3843043
024. 3782.1714 - 900

NOC - Tp. HCM

028. 3911.0449
024. 3782.1714 - 800

ABOUT VNNIC

Vietnam Internet Network Information Center (VNNIC) is an affiliation to the Ministry of Information and Communications, founded on April, 28th, 2000 with the functions of managing, allocating, supervising and promoting the use of Internet domain name, address (IP), Autonomous System Number (ASN) in Vietnam (collectively called as "Internet resources"); providing Internet-related guidance, statistics on Internet and executing the international activities relating Internet.

Since the established, VNNIC has contributed greatly to promoting Internet in Viet Nam as a focal point of information and helped encouraging the integration with the world.

Contact us:

- *Ha Noi: VNNIC Building - Hoa Lac Hi-Tech Park - Thach That - Ha Noi*
- *HCM Branch: Internet Station (VNNIC), Street 20 Tan Thuan Export Processing Zone, District 7.*
- *Da Nang Branch: Internet station house (VNNIC): 21, Road 7, An Don Industrial Zone, Hai Chau District, Da Nang City.*

Website:
- *https://vnnic.vn*