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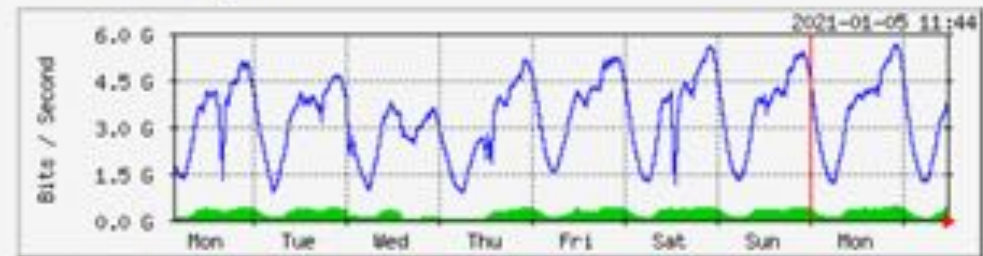
Current status of National Internet Exchange of Afghanistan (NIXA)

- ❖ NIXA is exchanging **6.0 Gbps** aggregated traffic
- ❖ Currently 23 ISPs are peering with NIXA including Mobile Network Operators (**MNOs**) Afghan Wireless Communication Company (**AWCC**), **Etisalat AF**, **Roshan**, **MTN** and **Afghan Telecom (AFTEL)**
- ❖ As per the NetFlow analysis most of the traffic exchanging within Afghanistan is Facebook and YouTube which is going outside of the country, **NIXA is a centralize** location where we can put caches for FNA & GGC
- ❖ Most of the traffic exchanging NIXA is **local service** which are hosted under Afghanistan National Datacenter (ANDC)
- ❖ During COVID-19 Pandemic NIXA infrastructure was used for (**HELMS**) Higher Education Learning Management System

Current status of NIXA

- ❖ NIXA have Facebook cache which localized WhatsApp and Instagram contents for the peering of NIXA
- ❖ NIXA have also receive the **Root DNS** by the help of (PCH) which will be functional by end of January 2021, which better the service for ISPs under NIXA
- ❖ Caches have dedicated transit link to fill their caches and the cost is covered by Digital CASA project funded by World Bank
- ❖ NIXA have received **Google cache** which will be functional by end of January 2021(**Functional now**)

Week Graph



Direction	Max	Average	Current
In	458.505 Mbits	230.935 Mbits	319.121 Mbits
Out	5.733 Gbits	3.264 Gbits	3.728 Gbits

Year Graph



Direction	Max	Average	Current
In	993.660 Mbits	118.638 Mbits	319.121 Mbits
Out	5.989 Gbits	2.047 Gbits	3.728 Gbits

Google Traffic Flow:

Ministry of Communication a... Monitoring > Network > Current traffic

Switch networks

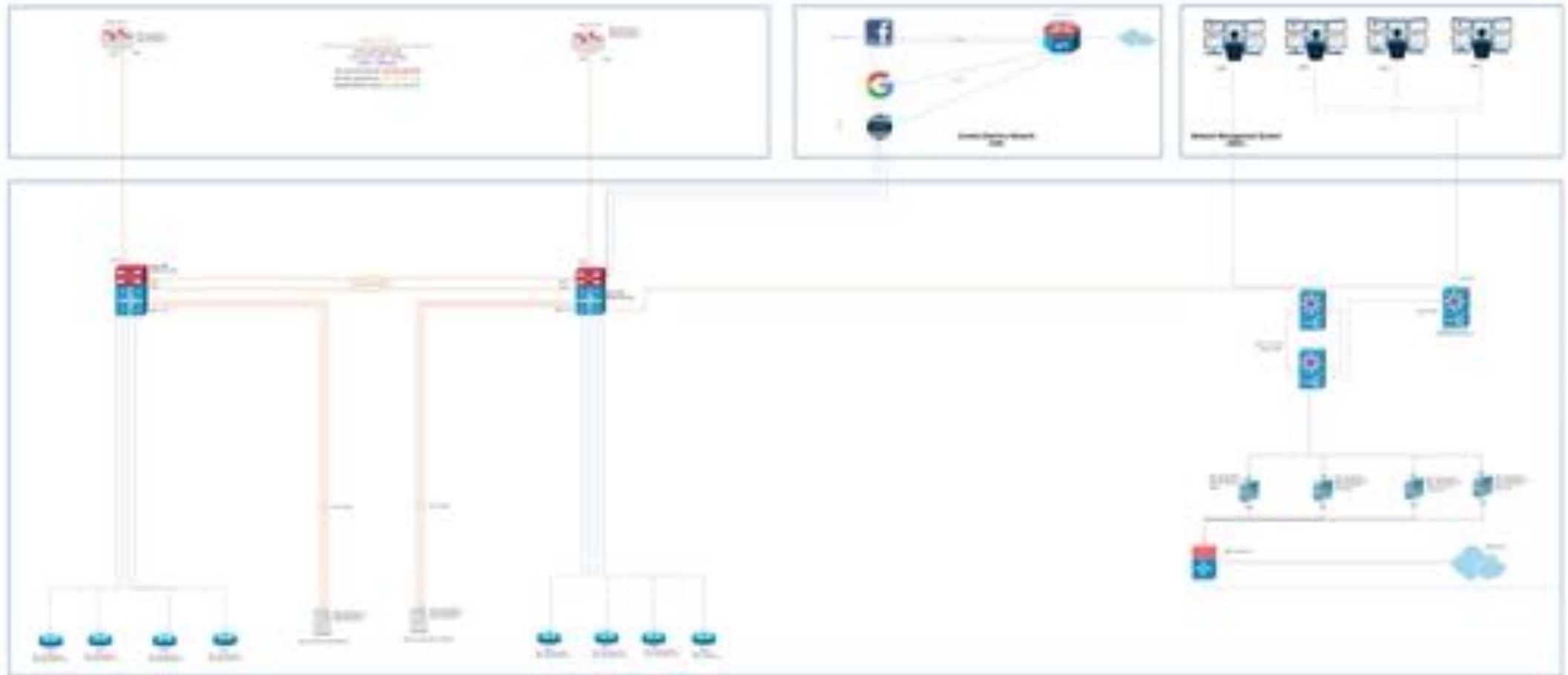
Asset egress ▾ 2 days ▾

Filter by type, location, or ASN



Type	ASN	Name	Location	Capacity	Asset egress
00C	137245	mincomaf-kbl1 (NIXA-AF-KBL1)	Kabul, Afghanistan	3.60 Gbps	76.88 Mbps

NIXA Infrastructure




National Internet Exchange of
Afghanistan

Legend



HOW TO CONNECT



- ❖ Internet Service Provider (ISP) need to bring their **link to connect NIXA**.
 - ❖ NIXA Infrastructure has the capability to provide **1Gig, 10Gig and 100 Gig** interfaces.
 - ❖ Currently all connections are **free** of charge
 - ❖ NIXA team provides **24/7** technical support to all ISPs
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FUTURE VISION FOR (NIXA)



- ❖ Connect all Internet service providers (ISPs) including
- ❖ Connect CDNs (cache of Netflix, Akamai, etc.)
- ❖ Establishing regional IXPs in other parts of the country, its planned that we will have 3 more regional IXPs
- ❖ Connectivity with International Internet Exchange Points (Asympto) which will be done in 2021
- ❖ Looking Glass URL <http://103.132.98.99/lg/>
- ❖ NIXA Website URL <https://nixa.af/>
- ❖ PeeringDB URL <https://www.peeringdb.com/ix/2245>

Thank you

