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
NIXA have Facebook cache which localized WhatsApp and Instagram contents for the peering of NIXA.

NIXA have also received 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).
Google Traffic Flow:

<table>
<thead>
<tr>
<th>Type</th>
<th>ASN</th>
<th>Name</th>
<th>Location</th>
<th>Capacity</th>
<th>Asset egress</th>
</tr>
</thead>
<tbody>
<tr>
<td>0GC</td>
<td>137246</td>
<td>mincomaf-kbl1 (NIXA-AF-KBL1)</td>
<td>Kabul, Afghanistan</td>
<td>3.60 Gbps</td>
<td>76.88 Mbps</td>
</tr>
</tbody>
</table>
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
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, it’s planned that we will have 3 more regional IXPs
- Connectivity with International Internet Exchange Points (Asymptotic) 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