



NATIONAL INFORMATION CENTER

Sudan Internet Exchange Point

Eng . Mohamed Osama
SIXP

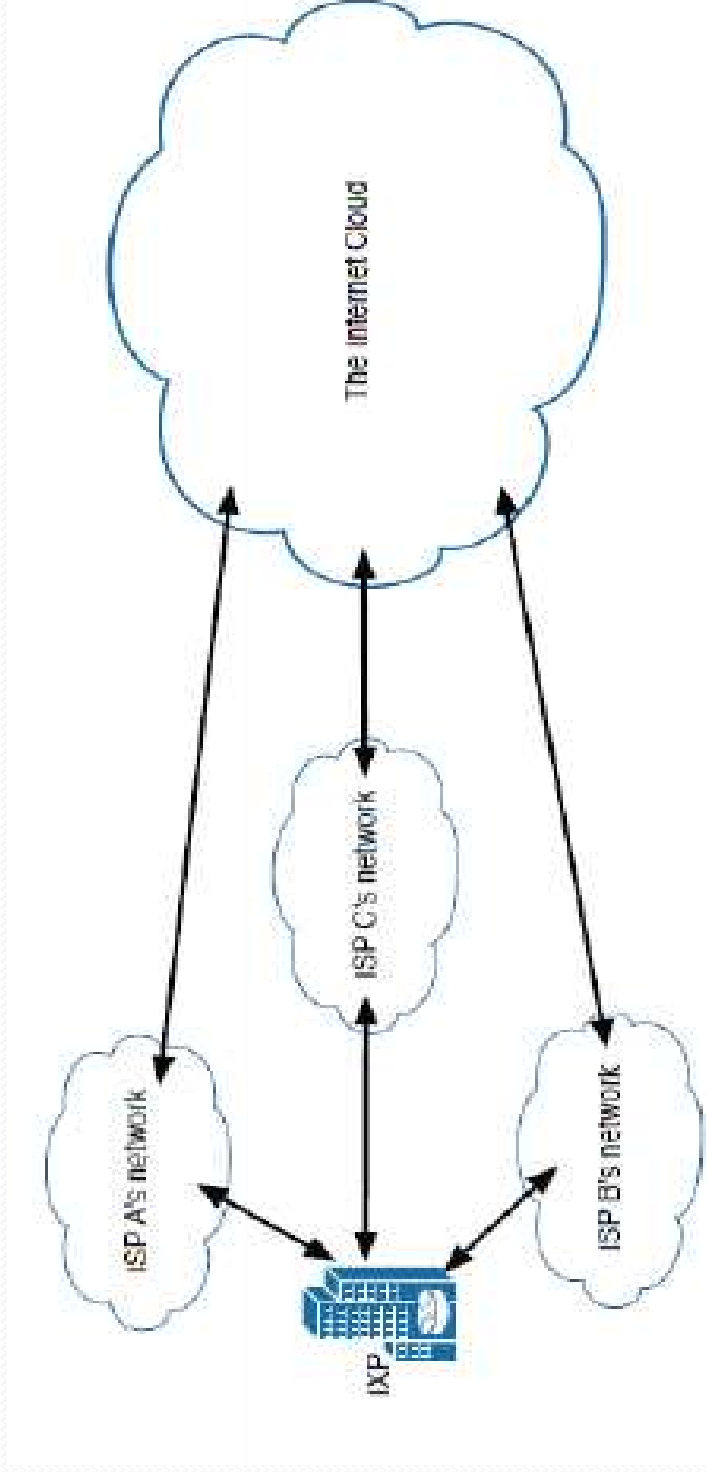


What is SIX

An Internet exchange point (IX or IXP) is a physical infrastructure through which Sudan Internet Service Providers (ISPs), exchange Internet traffic between their networks (autonomous systems). IXPs reduce the portion of an ISP's traffic which must be delivered via their upstream transit providers, thereby reducing the average per-bit delivery cost of their service. Furthermore, the increased number of paths learned through the IXP improves routing efficiency and fault-tolerance.



Sudan Internet Exchange Point





Roles

keeping local Internet traffic within the country and avoiding international links .



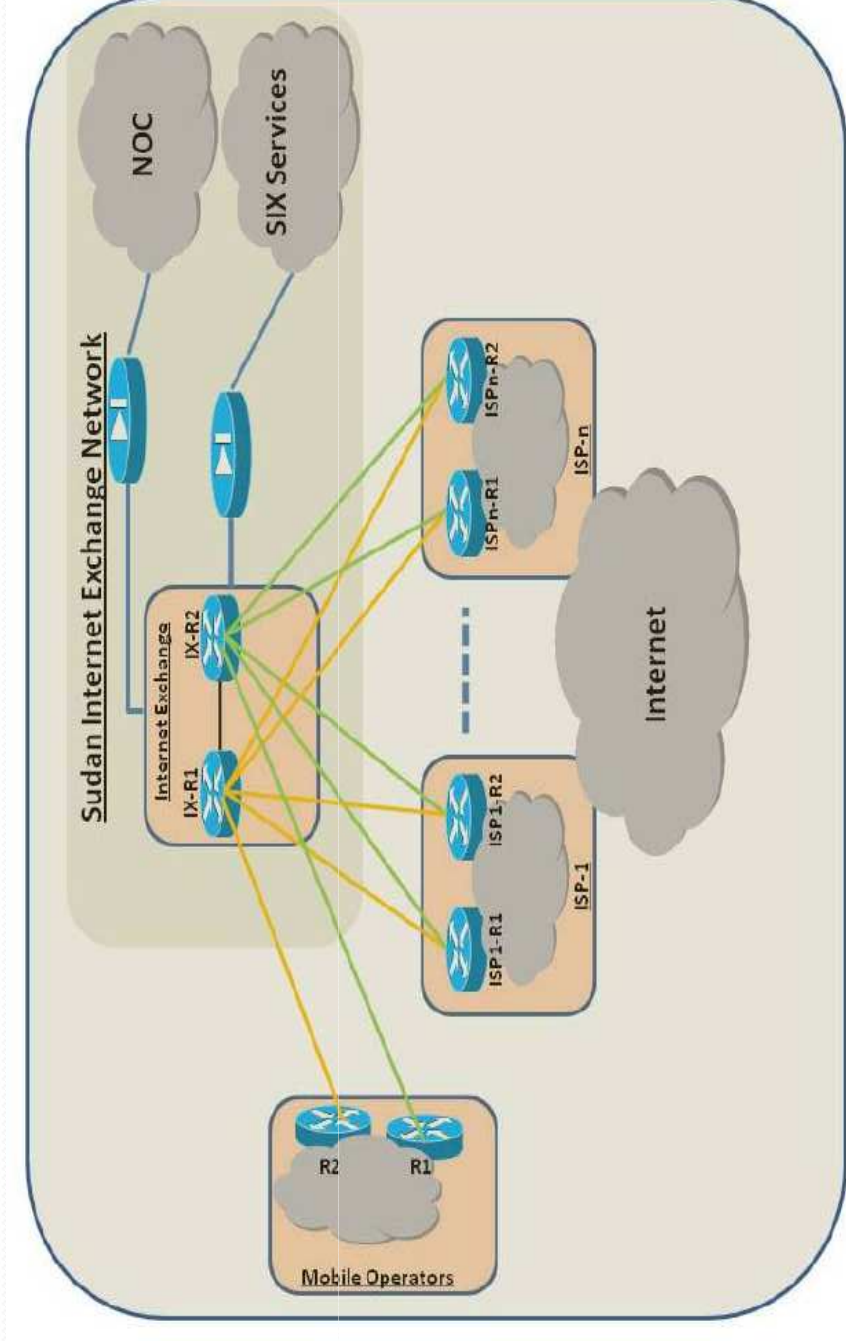


SIX Benefits

- Reduce the cost of Internet access.
- In cases of complete blackouts from global Internet connectivity, the IXP provides for local traffic exchange high availability.
- Establish a strong platform for other services such E-Government.



SIX network



Members of SIX

- Sudatel.
- Canar.
- Zain.
- Vision Valley.
- Sudanese Universities Information Network (SUIN).
- MTN .
- establish connect with PCH



Traffic

- The Initial bandwidth is 2 MG for all ISP and its upgrade to

ISP	Bandwidth
Sudatel	20MG
Canar	40MG
Zain	12MG
MTN	8MG





Future plans

- Connect with National Data Center (E.gov data center).
- Run IPV6 .
- To be international part of IXPS.
- Build a root server.
- Launch the SIXP service.
- Develop a guide to the requirements of connectivity with the SIXP.

SIXP Prize:

- SIXP had participated in the contest of international telecommunication union (ITU) and won the prize as the best project for the year 2012 .



WISIS Project Prizes 2012 - Voting

WISIS Project Prizes 2012 - Voting

[Vote](#) [My Votes](#) [Instructions](#)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------

Category 2: Information and communication infrastructure (C2) (19 entries)

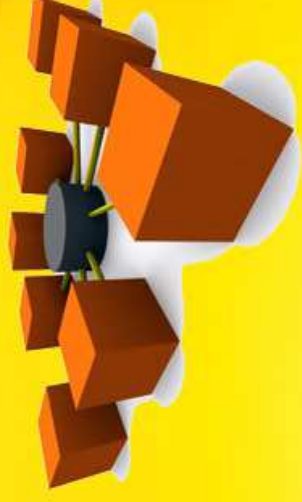
[Sudanese Internet Exchange Point](#)
Sudan Internet Exchange Point (SIXP) is established in August 2010 by National Information Center to allow the members to exchange traffic destination to each others. It encourages the use of local resources and reduces the load on the global Internet. Each member connects to the peering point...

[Vote for this project \(1325748462\)](#)



Sudan Internet Exchange Point

Efficient and Reliable
High Speed Internet Connection
Between Internet Services Providers



Thanks

