

University of Khartoum Information Network

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In the UofK Information
Network
Administration.

Sudan



Sudan

- One of the East Africa countries
- With:
 - Area: 2.5 million square km.
 - Population: 30million person.
 - Relation: majority are Moslems.
 - Language: mother language is Arabic, second is English.

Sudan Universities

- About 26 university in the public sector distributed around all the country .
- more than ten in the private sector.
- All the universities in the public sector are connected together in one intranet.

University of Khartoum

- The first university in Sudan.
- Established in 1906.
- Consist of six campuses distributed around three cities .
- With 18 faculties & ten institutes.
- About 13 thousand students .

University Information Network

- Established in 2002.
- To connect the university in one intranet.
- To provide the Internet ,electronic services to the university students & staff .
- To every faculty support by internet computer lab.

Network Topology

- All the campuses connected through the Sudatel network using frame relay & SHDSL.
- All the faculties inside the campuses connected by fiber optic & Cisco core switches.
- Inside the faculties using hubs & UTP to connect to the end users.

Platform & Applications

- All the servers running Fedora Linux.
- The end users machines running windows & Linux.
- All the applications are using free & open source software.
- Applying:

Platform & Applications

- VOIP
- mail sever
- web page
- digital library
- proxy server
- video conference (under construction).
- Webclasses.

VOIP NETWORK

- Connect all the university campuses
- Reduce the billing cost from 10000 \$ to 1600 \$per month
- Running SIP Express Router .
- Using Micronet products (FAS,FXO, IPPHONES).
- Preparing to connect to out side PSTN through E1.

Future

- Since next August :
 - The students can register to the university from outside the country online through the university home page.
 - NO papers use again every document should be send through the Intanet.

The background is a dark blue gradient with a subtle, light blue grid of dots and lines. The grid is composed of small circles connected by thin lines, creating a perspective effect that recedes into the distance. The word "THANKS" is centered in the middle of the image.

THANKS