Network Asset management

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Network Asset Management

Outline

- Introduction
- Network Documentation
- Network Migration
- Where to buy what

Introduction

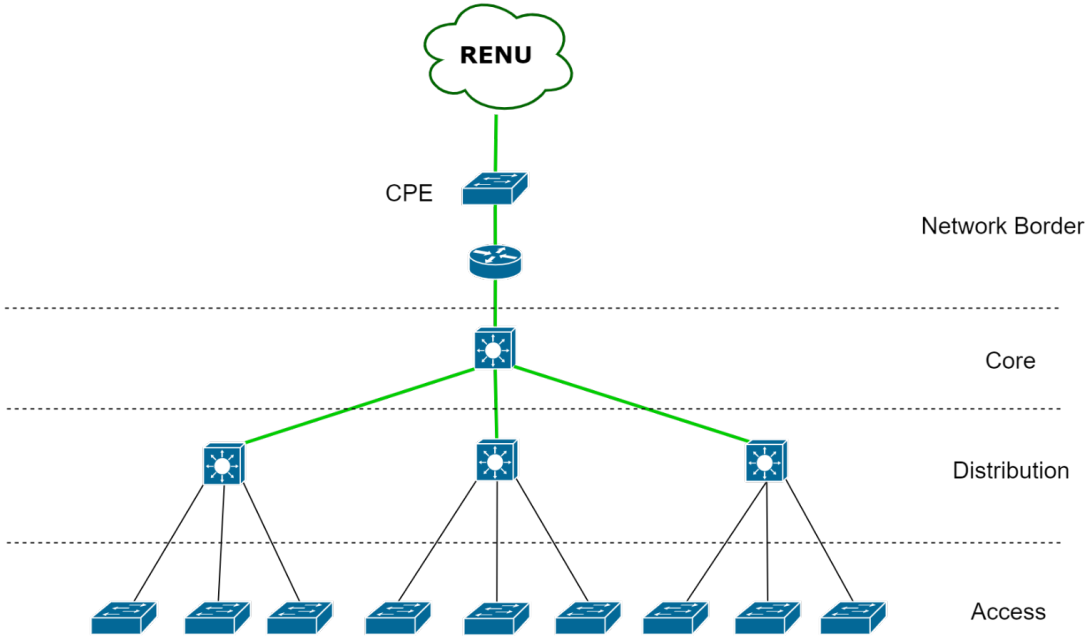
- Your network is the foundation on which all services are provisioned.
- Good knowledge of your network saves time while troubleshooting
- Some networks are so large

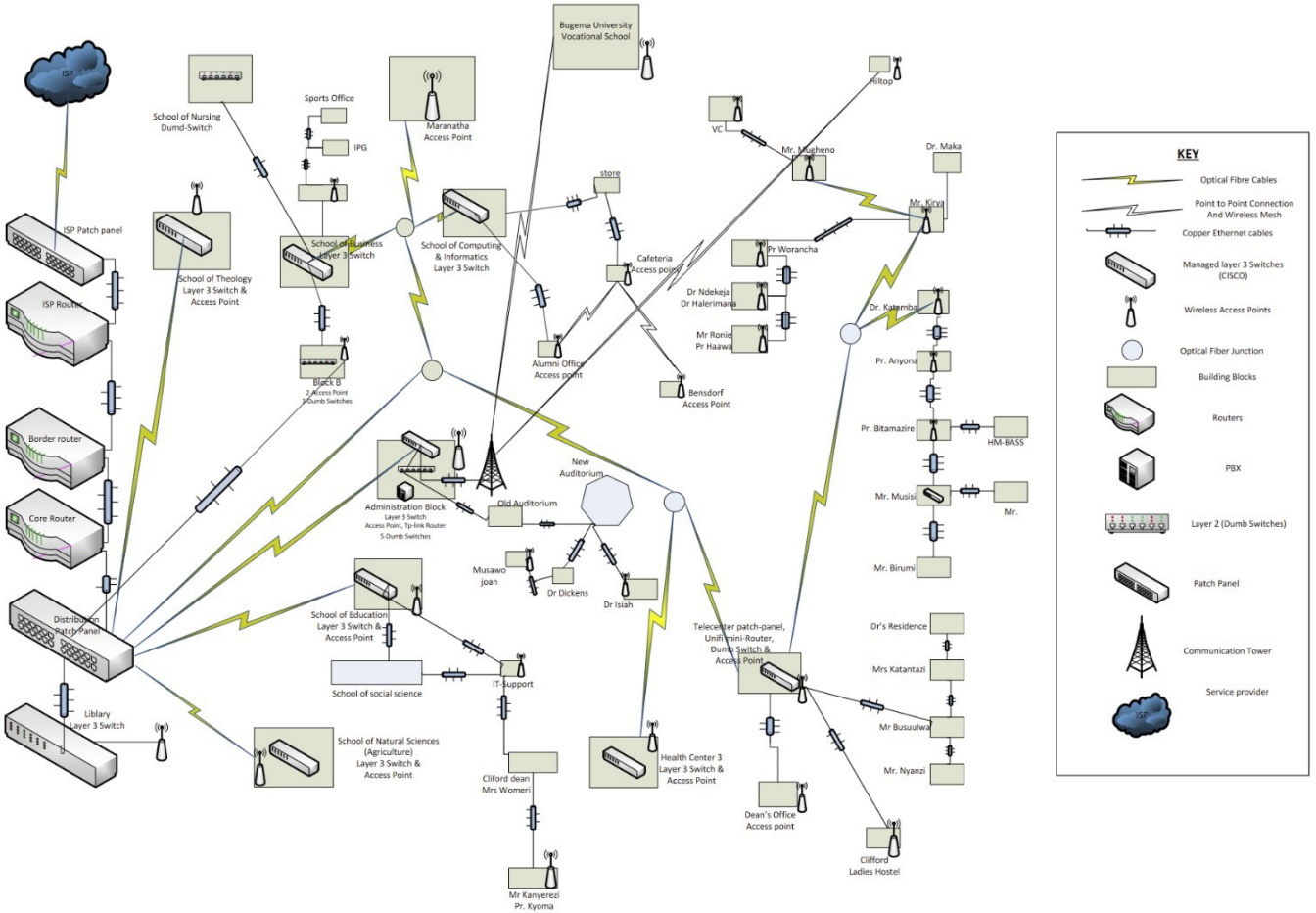
Network Documentation

Network documentation is a technical record of the hardware, software, servers, directory structure, user profiles, data, and how it all works together.

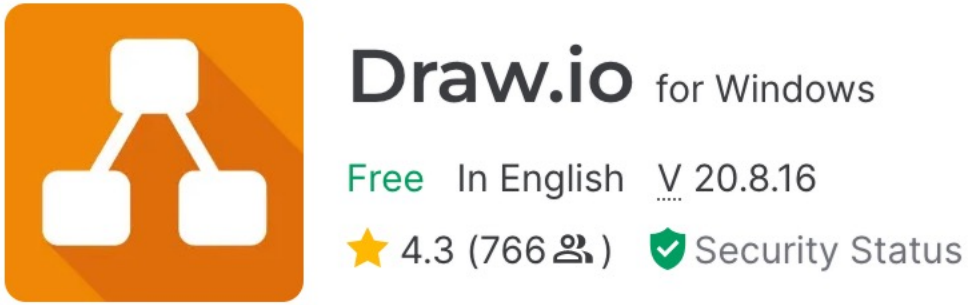
- Network diagram (devices, functions)
- Network resources (IP address, VLANs)
- Access credentials (rights of IT teams)

Network Diagram - Example




ISP
School of Nursing
Dumd-Switch
Sports Office
IPG
Maranatha
Access Point
Bugema University
Vocational School
Hiltop
VC
Mr. Mugheno
Dr. Maka
Mr. Kirya
store
School of Business
Layer 3 Switch
School of Computing
& Informatics
Layer 3 Switch
Cafeteria
Access point
Pr Worancha
Dr Ndekeja
Dr Halerimana
Mr Ronie
Pr Haawa
Dr. Katemba
ISP Patch panel
School of Theology
Layer 3 Switch &
Access Point
ISP Router
Block B
2 Access Point
5 Dumb Switches
Alumni Office
Access point
Bensdorf
Access Point
Pr. Anyona
Pr. Bitamazire
HM-BASS
Border router
Core Router
Administration Block
Layer 3 Switch
Access Point, Tp-link Router
5-Dumb Switches
New
Auditorium
Old Auditorium
Mr. Musisi
Mr.
Mr. Birumi
Musawo
Joan
Dr Dickens
Dr Isiah
Distribution
Patch Panel
School of Education
Layer 3 Switch &
Access Point
Telecenter patch-panel,
Unifi mini-Router,
Dumb Switch &
Access Point
Dr's Residence
Mrs Katantazi
School of social science
IT-Support
Mr Busuulwa
Liblary
Layer 3 Switch
School of Natural Sciences
(Agriculture)
Layer 3 Switch &
Access Point
Health Center 3
Layer 3 Switch &
Access Point
Mr. Nyanzi
Clifford dean
Mrs Womeri
Dean's Office
Access point
Clifford
Ladies Hostel
Mr Kanyerezi
Pr. Kyoma
KEY
Optical Fibre Cables
Point to Point Connection
And Wireless Mesh
Copper Ethernet cables
Managed layer 3 Switches
(CISCO)
Wireless Access Points
Optical Fiber Junction
Building Blocks
Routers
PBX
Layer 2 (Dumb Switches)
Patch Panel
Communication Tower
Service provider
ISP

Draw your school's network diagram



Why network documentation ?

- Easy troubleshooting
- Continuity in case of staff departure
- Saves time

Recommended service providers

Cables –fibre, copper

Unifi Access points

Mobile: +256 709474747

Ken@simplifinetworks.com www.simplifinetworks.com

MikroTik devices –**official distributor**

Recommended service providers

Juniper Equipment

SPIDD AFRICA LTD

Contact Richard Mangu - 0772712584

Recommended service providers

Building LANs, Migrations from building to building

Winston @0782738483

LINE OPTICS LIMITED

ONICC
OHMS NETWORK INFRASTRUCTURE AND COMMUNICATION COMPANY

Raymond Masiira
256 0200 952 233/ 0753175934

RENU Escalation Matrix

Levels	Entity	Email	Telephone
1	Network Operations Center (NOC)	noc@renu.ac.ug cc: technical@renu.ac.ug	+256 783 979 515
2	NOC Lead	rmatovu@renu.ac.ug	+256 775 257 320
3	Network Engineer	atumwesigye@renu.ac.ug	+256 779 255 079
		bkyemba@renu.ac.ug	+256 783 421 481
4	Senior Network Engineer	bmasiga@renu.ac.ug	+256 781 487 706
5	CEO	ceo@renu.ac.ug	+256 772 666 336

NOTE:

For all issues please send an email to the RENU NOC to noc@renu.ac.ug and cc: technical@renu.ac.ug

THE END