UMSATIC (Information and communication Technologies in the UMSA)



E-Learning

Network Infraestructure

Information Systems



Development of Libraries

umsatic

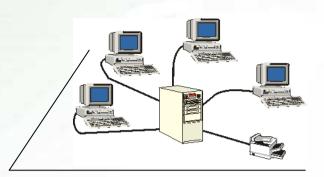


General

Provide to the UMSA the means and technical resources to support, optimize its main and internals process.

UMSATIC is now a Department of the UMSA called DTIC (ICT Department) that is in charge of the maintainance and implementation of the Network University.

Sumsatic

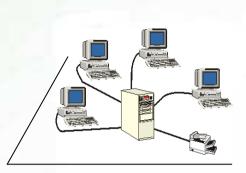


Network Infraestructure

LAN and Backbone

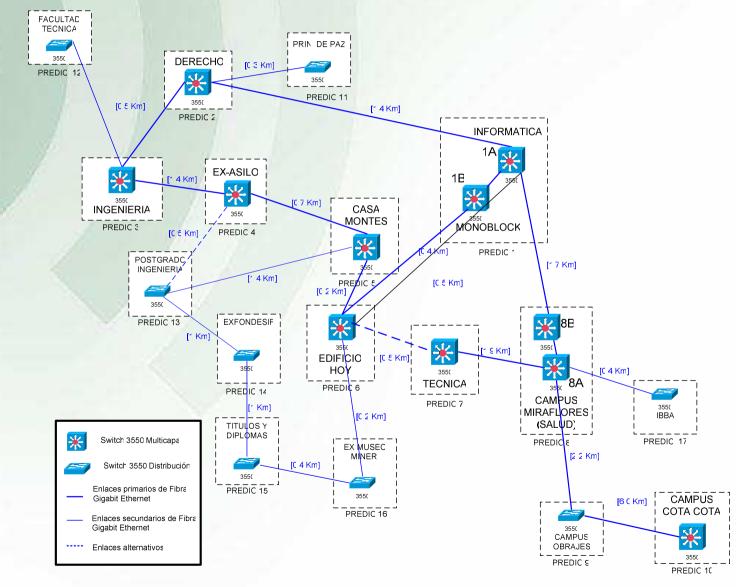
La Paz - Bolivia

Network

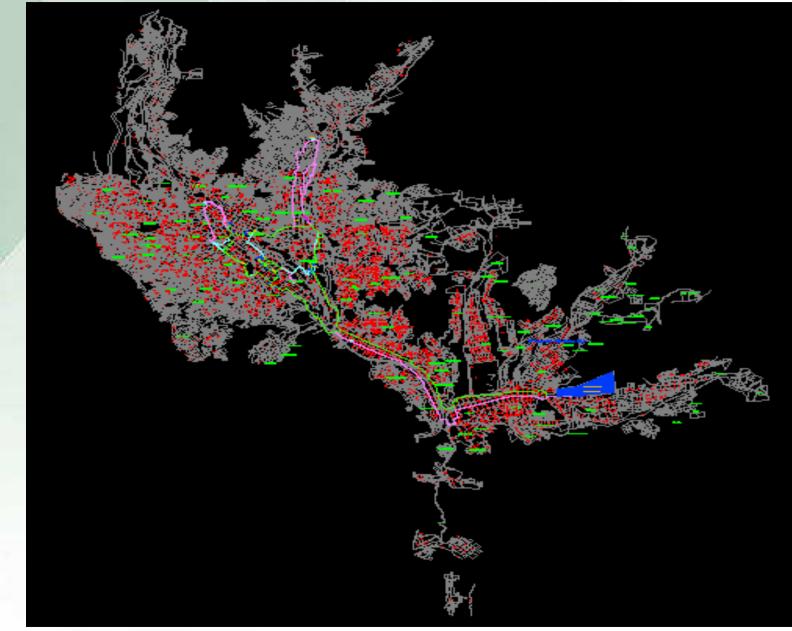


 His purpose is to integrate the severals university campus of the UMSA through its ICT UNITS. Each LAN network is connected by the Optic Fiber backbone, allowing the acces to the required information. The University has 23 campus separated geographically.

EQUIPMENT AND DISTRIBUTION



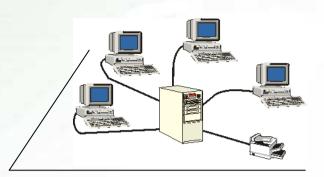
UMSA BACKBONE



Next Steps

- Growing of the backbone including new campus.
- Connection to wireless equipment to expand the reach of the university connectivity to some careers.

Sumsatic



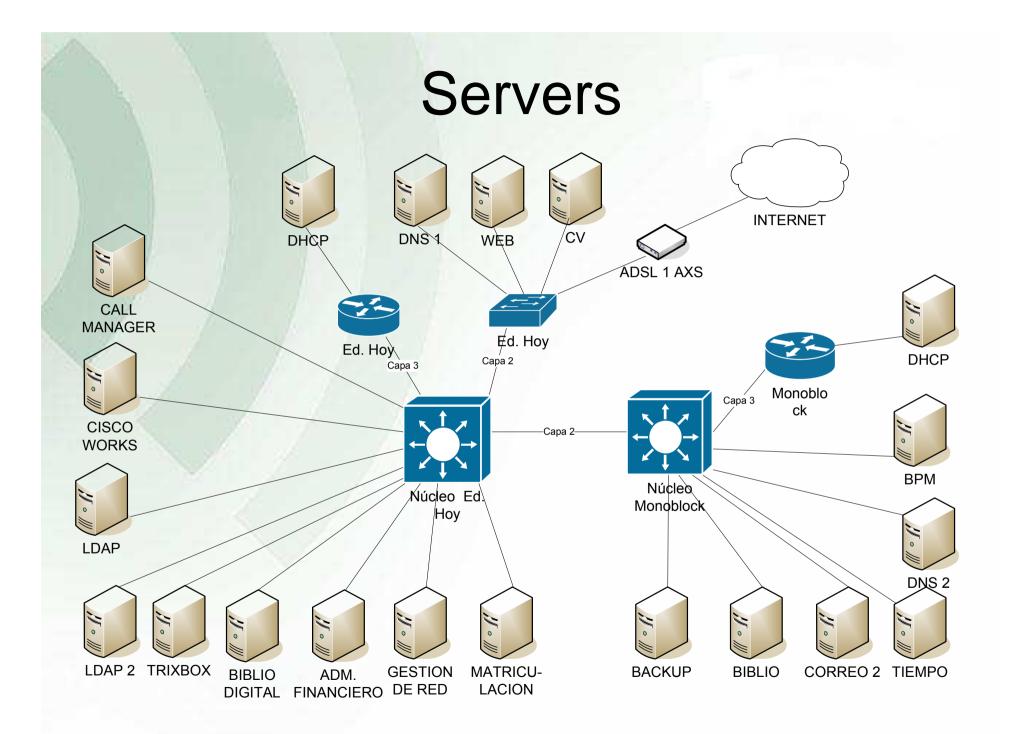
Network Infraestructure

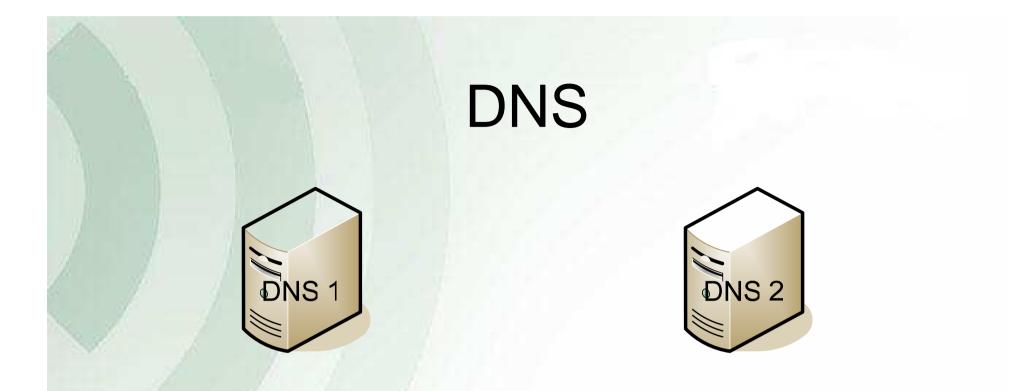
Networkd Services

La Paz - Bolivia

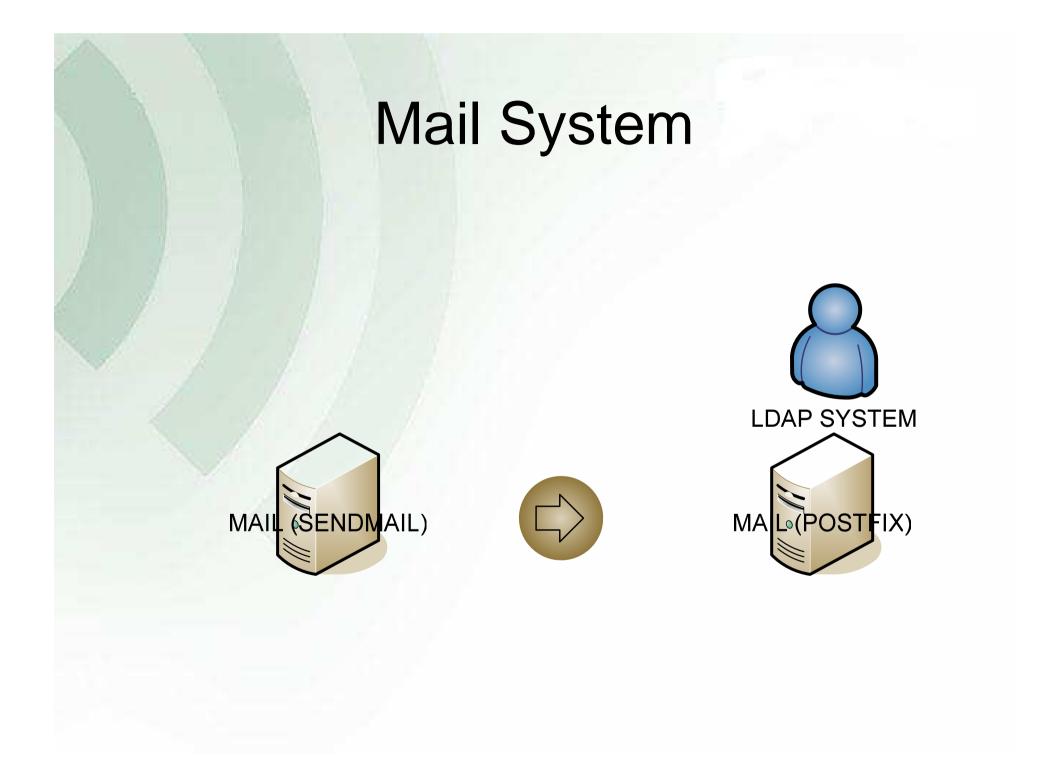
Network Services

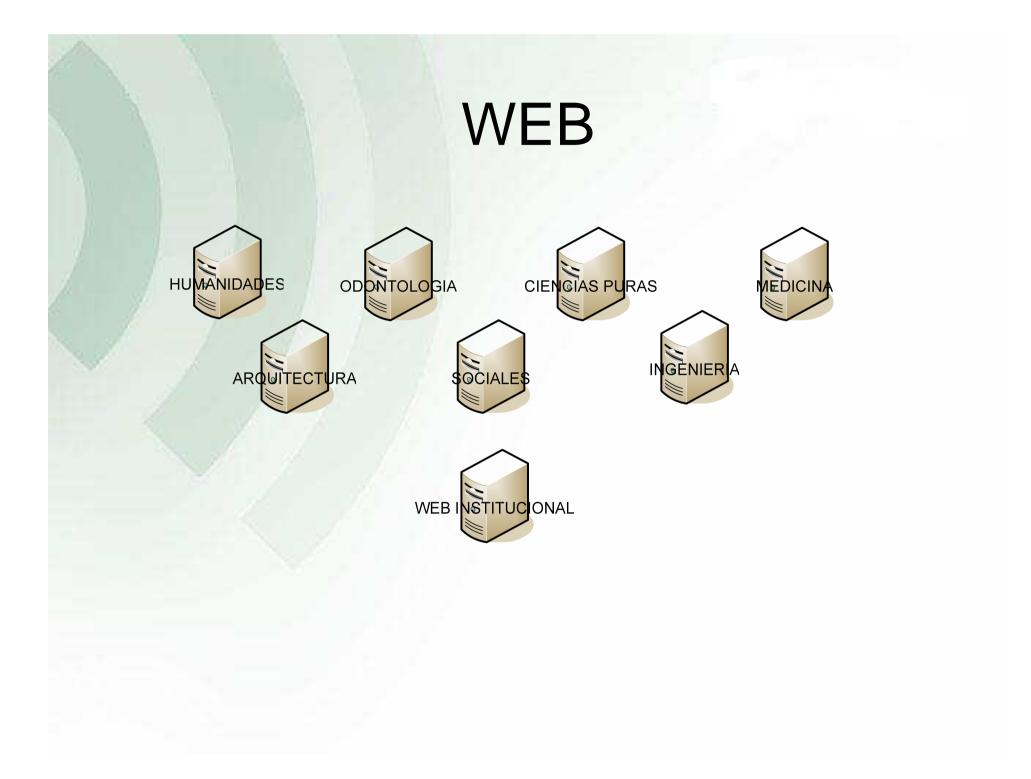
- DNS
- Institutional WEB and internal WEB Hosting
- E-Mail
- NTP
- E-learning Systems
- Free Software Mirror
- AAA System
- Network Management
- Voip Service

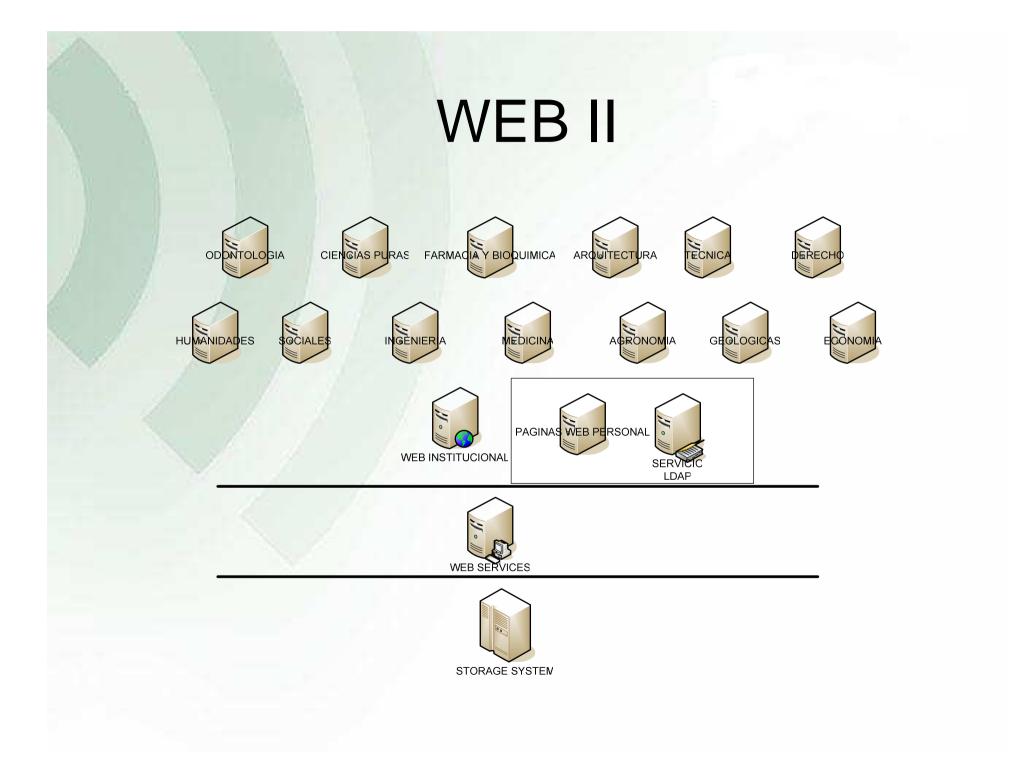




Considering its importance the DNS servers are separated geographically,
DNS 1 is acting like primary and DNS 2 is working like a secondary server.
The UMSA's domain is umsa.bo

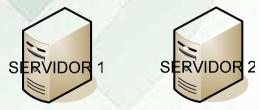






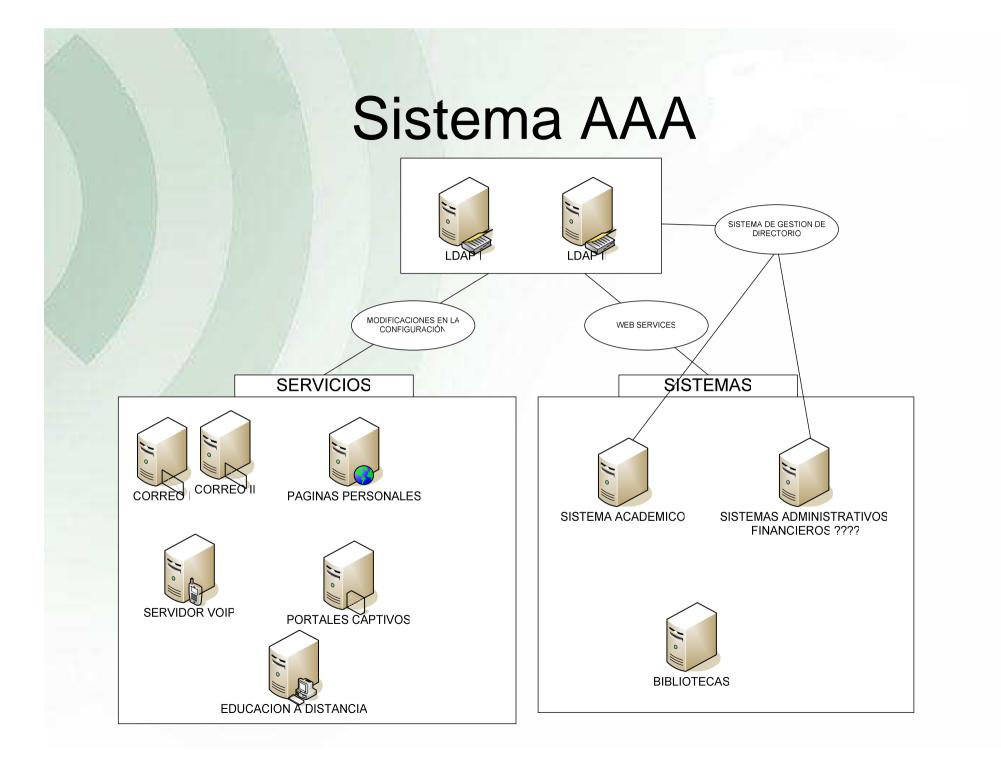
Actualizaciones y Mirror











Network Management

- OpenNMS Monitoreo y control de servidores SNMP.

SISTEMA LINUX - Ticketing systems

- Generador de Alarmas.

- IDS



Activación de Cisco
Works.

Next Steps

• Implementation of virtual servers for Investigation institutes and careers.