Authentication at four institutions (Eduroam) in Vietnam

NREN: VinaREN
Country: Vietnam
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Authentication in NASATI/VinaREN
Mikrotik RouterOS acts as Default Gateway for LAN.
Active Directory Server acts as Authentication Server.

Users in VinaREN LAN and Vista LAN that want to go out of local network must be authenticated by Default Gateway.
Users Database is stored in Active Directory Server.
Default Gateway gets Users information from Active Directory Server by Radius protocol.
External Database: ScienceDirect, IEEE Xplore Digital Library, ACS Publications, Springer Nature, Proquest Central, Scopus, IG Publishing ...

NASATI Database server has EZproxy software installed and acts as a proxy server.

All Users that want to access External Database have to connect through EZproxy server.

Internet Users have to use username/password to login to NASATI Database and Ezproxy.

LAN Users and VinaREN Members don’t have to login with username/password because they have been supplied a range of IP Addresses that has access privilege.
Authentication for users to Applications
Authentication in HUST (Hanoi University of Science and Technology)
Authentication for LAN users to Internet

- Internet Gateway
- Zimbra Server
- Authentication Server
- Network
- User
HUST network with authentication for LAN users to Internet
Authentication for users to databases, applications

External Database

Internet

Users

Web based Applications
Accounts (login using username, pass)
OR IP address

Router

Firewall

Switch

Web based Applications
(login using username, pass)

LAN Users
Authentication in NRI (Nuclear Research Institute) and VNUHCM (Vietnam National University – Hochiminh)
Authentication for LAN users to Internet
Authentication for users to databases, applications

External Database

Web based Applications
Accounts (login using username, pass)
OR IP address

Internet

Internet Users

External Database

Web based Applications
Accounts (login using username, pass)

Firewall

Switch

LAN Users