

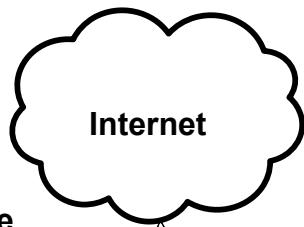
# YPHS Server Architecture

Server Room

26/05/2008

Version: 1

Public Zone



Internet



ADSL 1MB



ADSL HOME



pfsense1

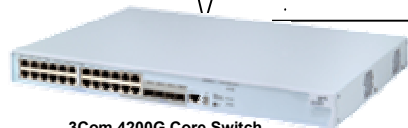


pfsense2

VIP

pfsense.yphs.edu.my  
Software: PFSENSE 1.2  
Purpose: load balancing or  
redundant links (backup line) for  
optimization of internet loading

LAN Zone



3Com 4200G Core Switch

SMS.yphs.edu.my

Model: Vmware Machine

Functionality:

1) SMS Server

IP: [REDACTED]

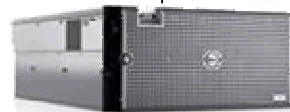


1 Gbps

1 Gbps

1 Gbps

1 Gbps

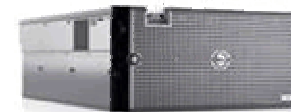


Server1.yphs.edu.my

Model: Dell PowerEdge 2900

Functionality:

- 1) PDC/File Server
  - 2) Print Accounting System
  - 3) Fedora Directory Server
  - 4) Primary DNS Server
  - 5) VMware Virtual Machine: pfsense1
- IP: [REDACTED]



Server2.yphs.edu.my

Model: Dell PowerEdge 2900

Functionality:

- 1) Email Server
  - 2) Fedora Directory Server
  - 3) Proxy Server
  - 4) Secondary DNS Server
  - 5) VMware Virtual Machine: pfsense2, sms
- IP: [REDACTED]



Backup.yphs.edu.my

Model: Dell PowerEdge T300

Functionality:

- 1) Backup Server
- IP: [REDACTED]