

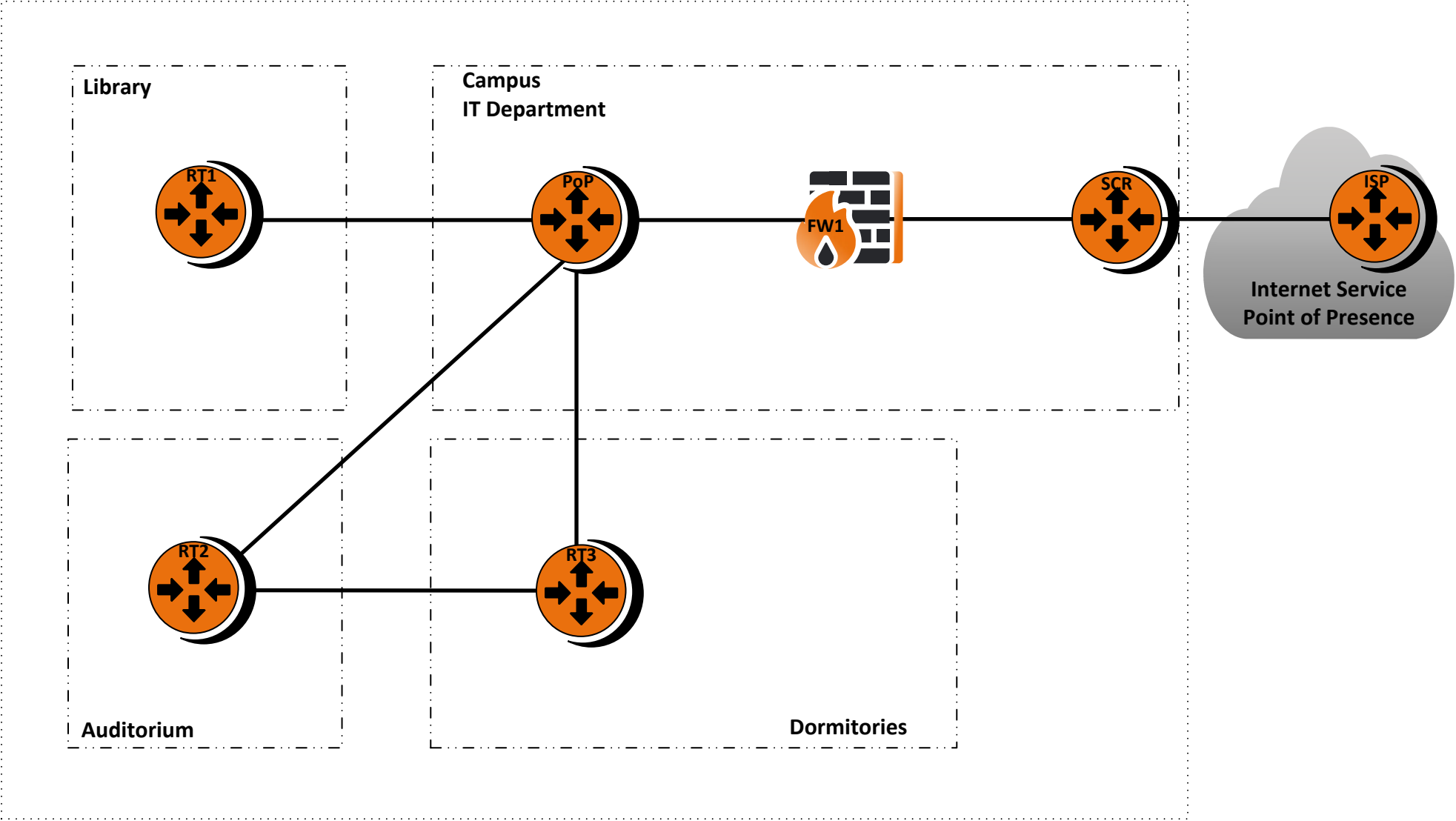
# VyOS Tinker Lab 1

Modelo University (Fictional)

# Change Log

[illegible]

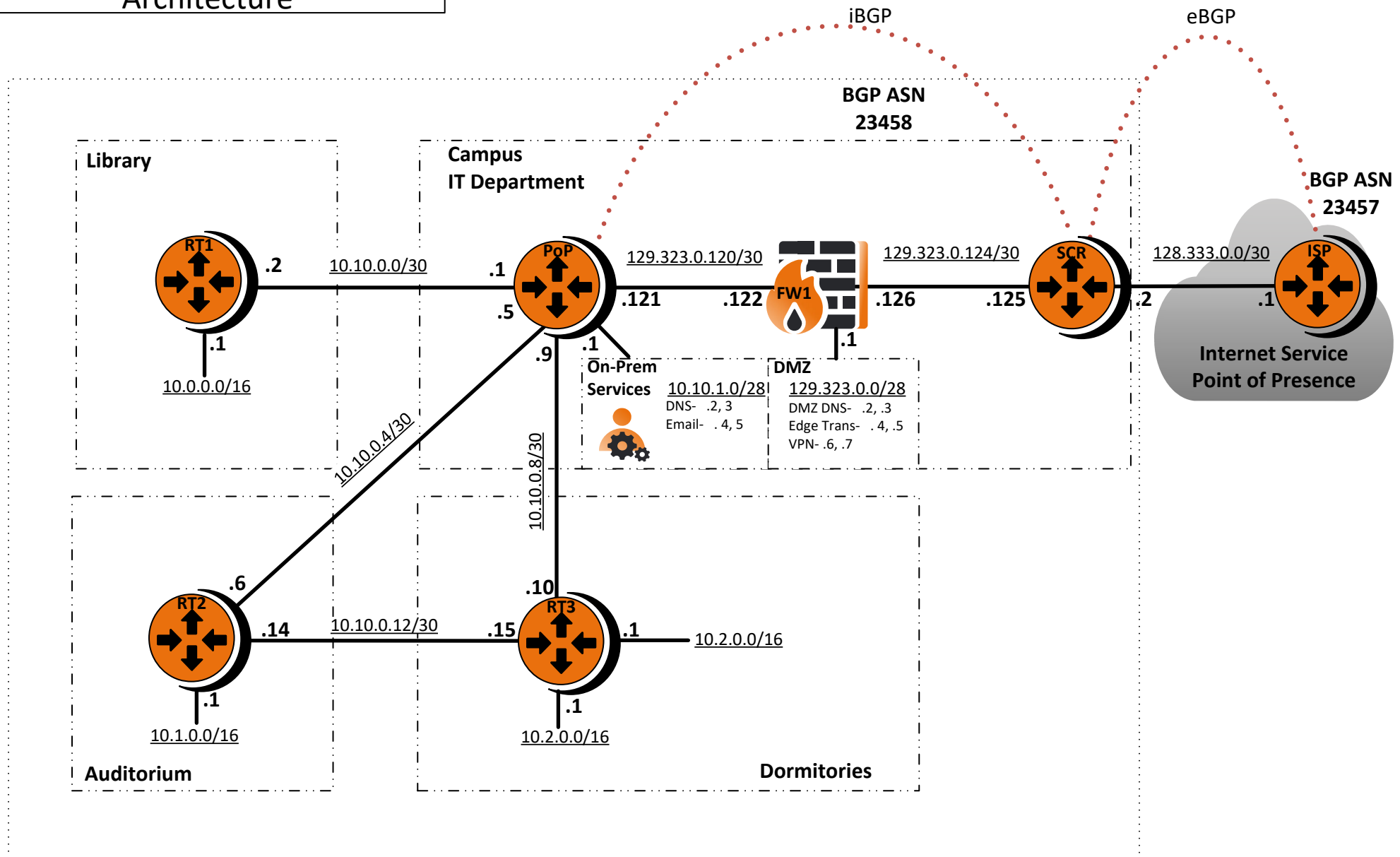
Campus L3 Locations



Comments

Control Information	
Lab Title:	VyOS Tinker Lab 1
Author:	Ed Alan S.
Version:	1.0.0
Date:	8/10/2021

# L3 (Boundry/BGP) Network Architecture



**Registered Public IP Space:** 129.323.0.0/25

## Firewall Requirements:

- (Internal) DNS port 53 allowed to DMZ DNS IP's.
- (Internal) Email ports allowed to Edge Tans IP's.
- All Outbound Web traffic must NAT OUT External Interface
  - Pool 129.323.0.32/29

## Comments

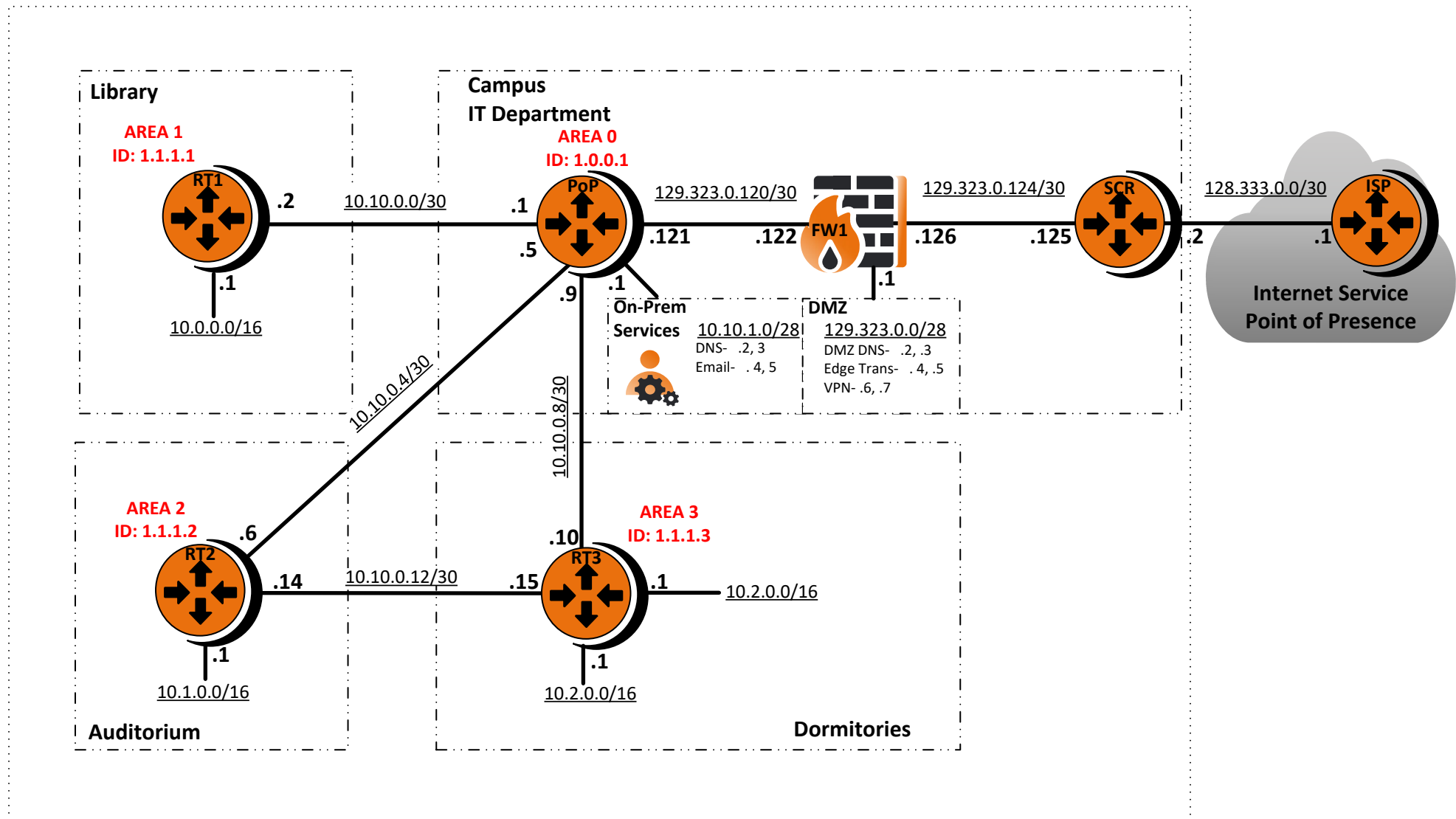
- (DMZ) DNS port 53 IP's allowed OUT External Interface
- (DMZ) Edge Trans email traffic allowed IN/OUT External Interface.
- (DMZ) VPN IP's and ports 50/500/4500 allowed IN/OUT External Interface.



## Control Information

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# L3 (OSPF) Network Architecture



## Comments

**OSPF:** -Each Building is assigned an OSPF Area for future Scalability.  
 -All "/16" Subnets are summarized networks for contiguous scalability.

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Legend Key



**VyOS Router**



**Firewall - Primary Role  
(VyOS Router)**



**Cloud**



**Virtual Private Network**



**Network Services: i.e. DHCP, DNS Forwarding, etc.**



**Fiber Medium**

**Comments**

**Control Information**

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