

EFR Network Architecture Documentation

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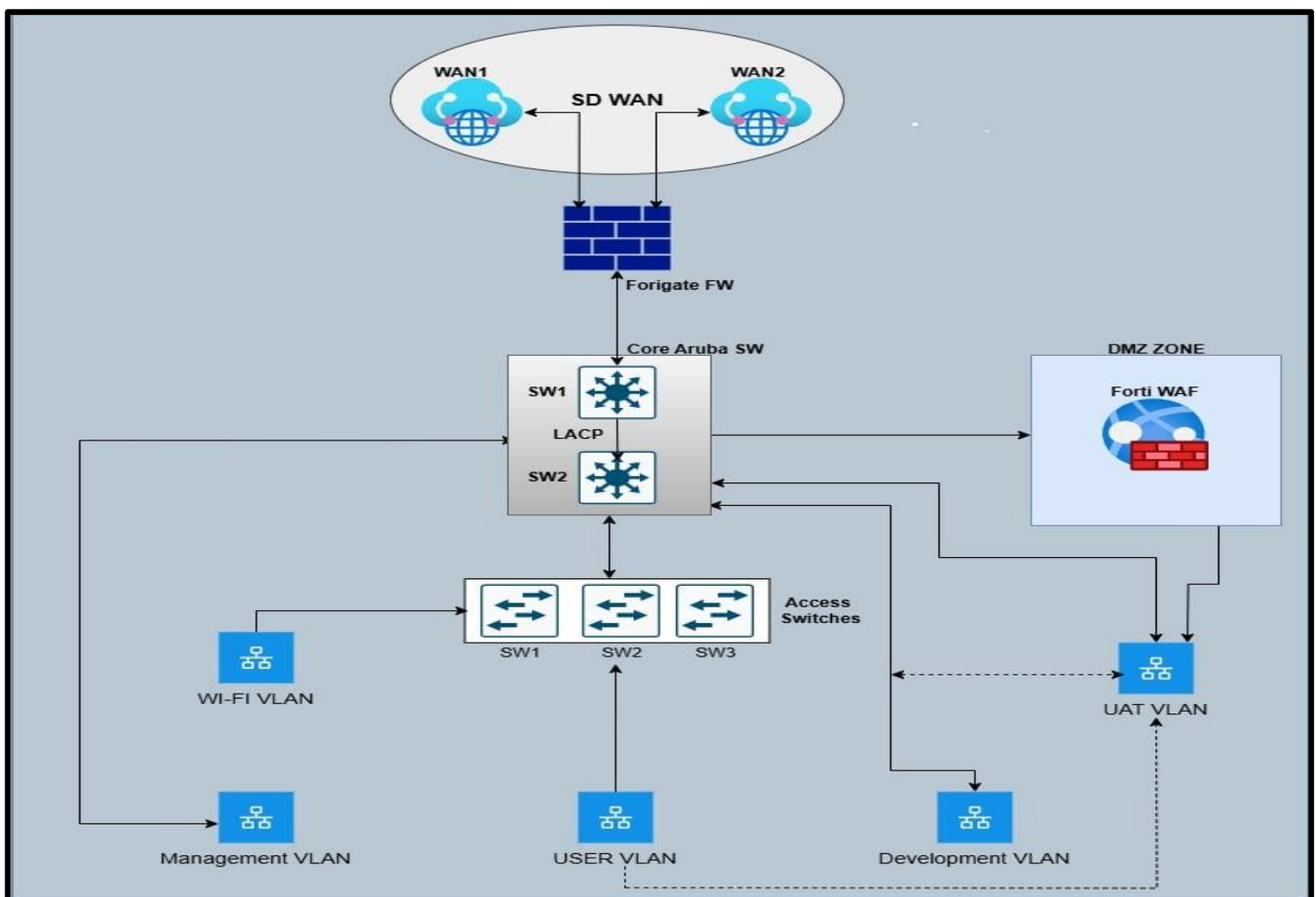
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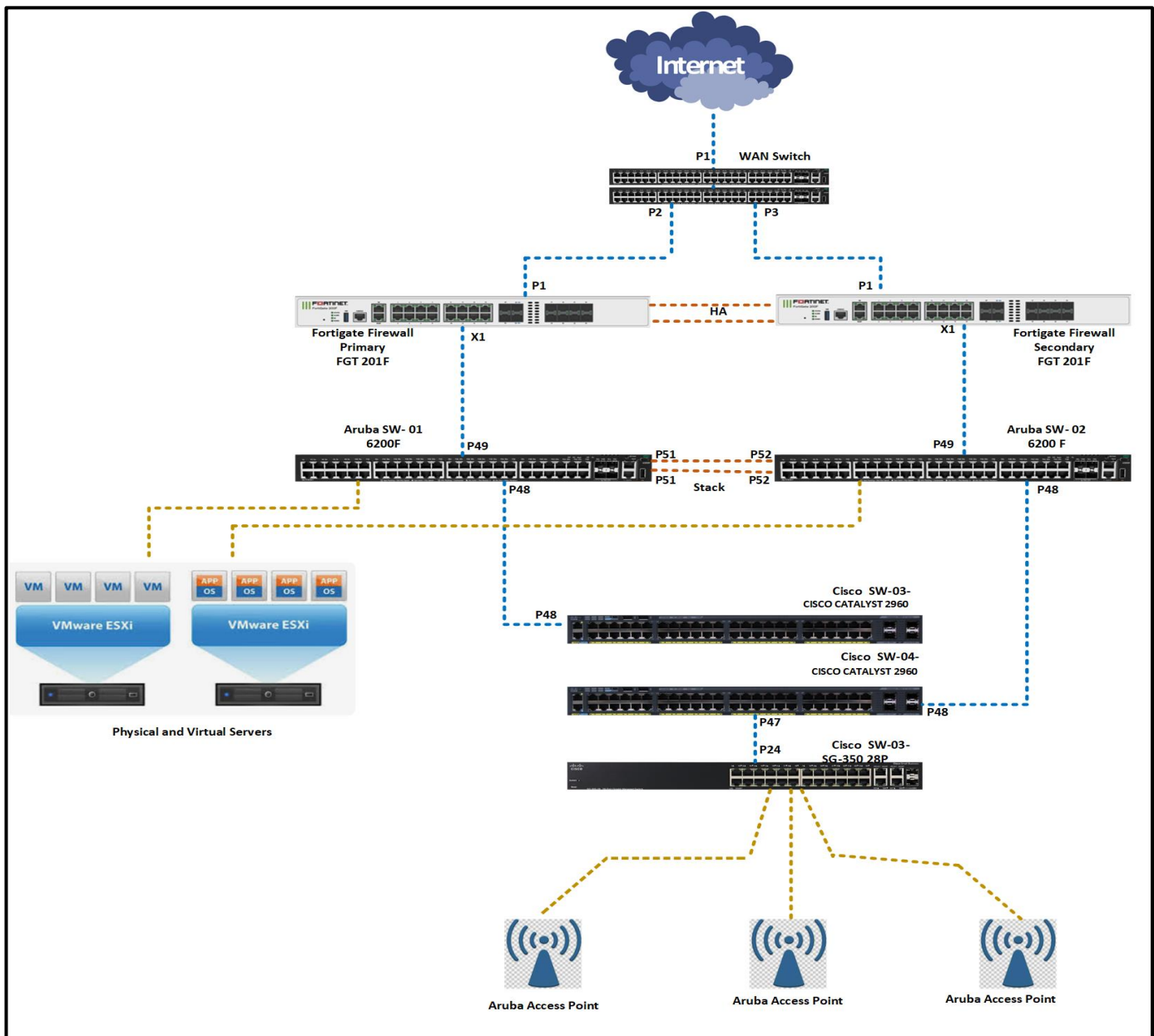
1. Purpose

This document provides a detailed overview of the organization's network architecture, including topology, key components, and security zones. It supports ISO/IEC 27001 compliance by ensuring proper documentation of network controls (Annex A.13.1.1 - Network Controls).

2. Network Logical High-Level Diagram



3. Network Diagram Physical



3. Network Overview

The organization's network consists of segmented VLANs for security and performance. Redundant firewalls, core/distribution/access switches, and multi-zone design support high availability and secure access control.

4. Network Topology

A high-level topology diagram is maintained and attached. This includes:

- Internet Edge
- Firewalls (HA)
- Core & Distribution Switches

- VLANs/Subnets
- Servers (Application, DNS, DHCP, File Servers, etc.)
- End-user networks
- Wireless LAN controllers
- SSL VPN Connection

5. IP Addressing Scheme

VLAN / Network	Subnet	Purpose
User VLAN	192.168.70.0/24	Workstation LAN
Server VLAN	192.168.1.0/24	Data Center Servers
WiFi VLAN	192.168.20.0/24	Wireless Access
Development VLAN	172.16.231.0/24	Development Servers
Management VLAN	192.168.10.0/24	Network Management Interfaces

6. Security Zones

- ****Trusted/Internal****: User, Server, and Management networks
- ****DMZ****: Isolated zone for internet-facing services
- ****Untrusted****: Internet and external VPN peers
- ****Guest****: Isolated Wi-Fi VLAN with internet access only

7. Network Hardware Details

NETWORK ENVIRONMENT			
SDWAN-SW01	JUNIPER- EX2300 -24P	SWITCH(SD-WAN)	JY0220510304
SDWAN-SW02	JUNIPER- EX2300 -24P	SWITCH(SD-WAN)	JY0220510194
EFR-SW01	ARUBA SWITCH(JL658A)	SWITCH (DATA&MGMT)	SG39LN664N
EFR-SW02	ARUBA SWITCH(JL658A)	SWITCH (DATA&MGMT)	SG38LN67R8
EFR-SW03	CISCO CATALYST 2960	SWITCH (USER)	FCW1817A3DB
EFR-SW04	CISCO CATALYST 2960	SWITCH (USER)	FDQ2115B0WL
EFR-SW05	SG-350 28P	SWTICH (POE)	DN222109QV
EFR-FGT01	FORTIGATE201F	FIREWALL	FGT201FT923913933
EFR-FGT02	FORTIGATE201F	FIREWALL	FGT201FT923914106
EFR-AP1	ARUBA AP 515	ACCESS POINT	CNPGLBN7R1
EFR-AP2	ARUBA AP 515	ACCESS POINT	CNPGLBN7RJ
EFR-AP3	ARUBA AP 515	ACCESS POINT	CNPGLBN7RW

8. Redundancy and High Availability

Redundant firewalls (HA Active-Passive), dual power supplies, and link aggregation on core switches are used. Key services are hosted on virtualized platforms with failover capabilities.