# Quantum Systems – Network Diagram
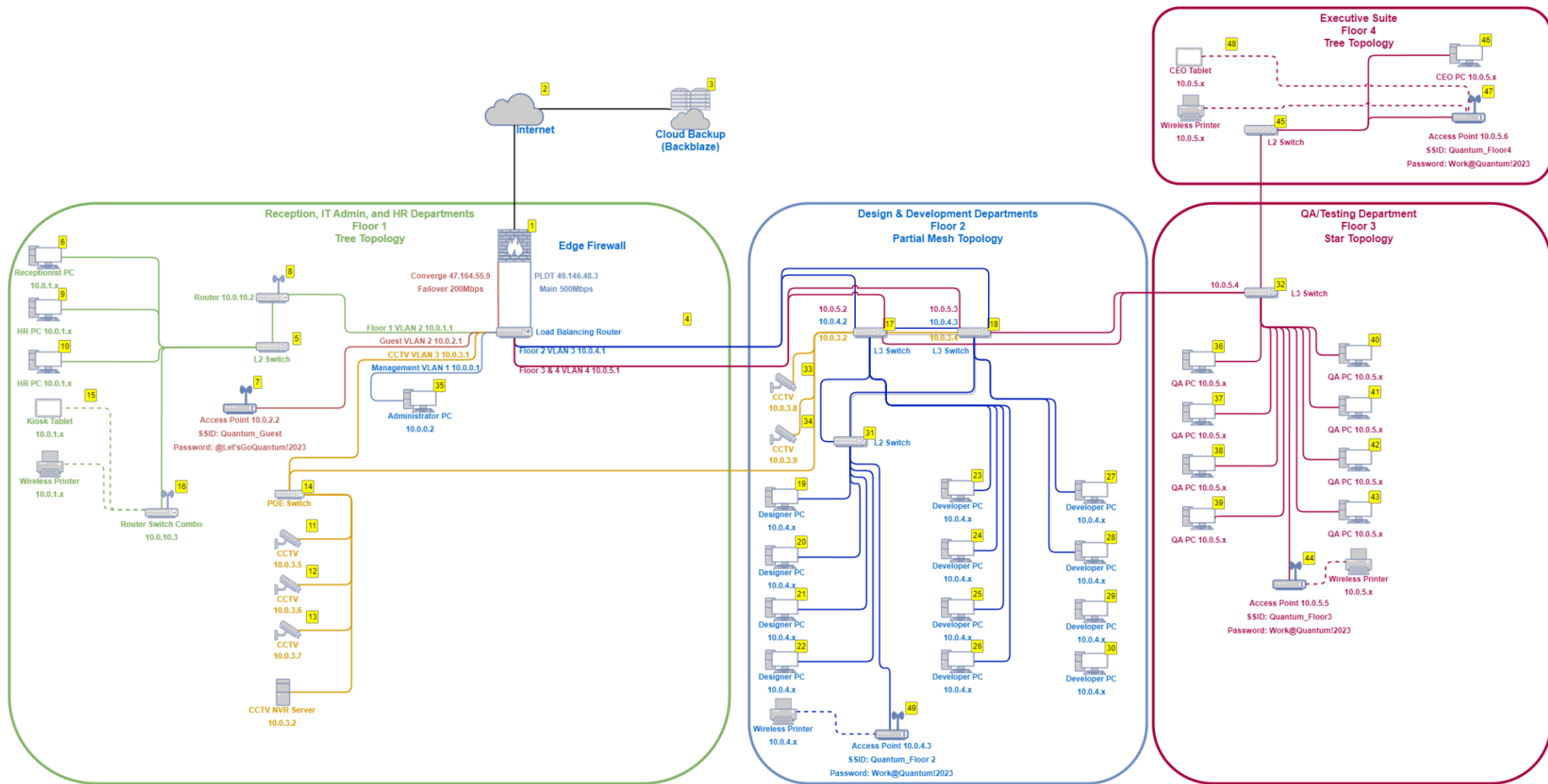
**GitHub Repository & Documentation:** https://github.com/lemeow125/NetworkDocumentationProject

**High-res Image:** https://github.com/lemeow125/NetworkDocumentationProject/blob/master/diagram.drawio.png

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**Executive Suite**
**Floor 4**
**Tree Topology**

CEO Tablet
10.0.5.x

CEO PC 10.0.5.x

Wireless Printer
10.0.5.x

L2 Switch

Access Point 10.0.5.6
SSID: Quantum_Floor4
Password: Work@Quantum!2023

Internet

Cloud Backup
(Backblaze)

**Reception, IT Admin, and HR Departments**
**Floor 1**
**Tree Topology**

Edge Firewall

Converge 47.164.55.9
Failover 200Mbps

PLDT 49.146.48.3
Main 500Mbps

Load Balancing Router

Receptionist PC
10.0.1.x

Router 10.0.10.2

Floor 1 VLAN 2 10.0.1.1
Guest VLAN 2 10.0.2.1
CCTV VLAN 3 10.0.3.1
Management VLAN 1 10.0.0.1

Floor 2 VLAN 3 10.0.4.1
Floor 3 & 4 VLAN 4 10.0.5.1

HR PC 10.0.1.x

L2 Switch

HR PC 10.0.1.x

Access Point 10.0.2.2
SSID: Quantum_Guest
Password: @Let'sGoQuantum!2023

Administrator PC
10.0.0.2

Kiosk Tablet
10.0.1.x

Wireless Printer
10.0.1.x

Router Switch Combo
10.0.10.3

POE Switch

CCTV
10.0.3.5

CCTV
10.0.3.6

CCTV
10.0.3.7

CCTV NVR Server
10.0.3.2

**Design & Development Departments**
**Floor 2**
**Partial Mesh Topology**

10.0.5.2
10.0.4.2

10.0.5.3
10.0.4.3

10.0.3.2

L3 Switch

10.0.3.4

L3 Switch

CCTV
10.0.3.8

CCTV
10.0.3.9

L2 Switch

Designer PC
10.0.4.x

Designer PC
10.0.4.x

Designer PC
10.0.4.x

Designer PC
10.0.4.x

Developer PC
10.0.4.x

Developer PC
10.0.4.x

Developer PC
10.0.4.x

Developer PC
10.0.4.x

Developer PC
10.0.4.x

Developer PC
10.0.4.x

Developer PC
10.0.4.x

Wireless Printer
10.0.4.x

Access Point 10.0.4.3
SSID: Quantum_Floor 2
Password: Work@Quantum!2023

**QA/Testing Department**
**Floor 3**
**Star Topology**

10.0.5.4

L3 Switch

QA PC 10.0.5.x

QA PC 10.0.5.x

QA PC 10.0.5.x

QA PC 10.0.5.x

QA PC 10.0.5.x

QA PC 10.0.5.x

QA PC 10.0.5.x

QA PC 10.0.5.x

Wireless Printer
10.0.5.x

Access Point 10.0.5.5
SSID: Quantum_Floor3
Password: Work@Quantum!2023

📖 README ✏️ ☰

## Documentation

Quantum Synergy Solutions is a visionary IT company focused on software development and innovation. As a preferred partner for numerous global enterprises, SMEs, and technology disruptors, the company specializes in enhancing business value through custom software development, product design, quality assurance, expert consultancy, and cutting-edge graphic design services

The project outlineds the IT procedures and standards necessary for operation QS.

- [Network Diagram](#)
- [Inventory](#)

## Maintenance

Network maintenance and security audits are done bi-anually by the end of the month, with offsite backups also included in the scope of the audit. This is currently done on the 31st of January and December

## Departments

- Reception
- Human Resources (HR)
- IT Admin
- Design
- Development
- QA/Testing

## Contributing

When contributing, please follow the design theme of the "Network" section of shapes in drawio and refrain from adding icons from other sources to maintain overall diagram consistency.

When adding devices, specify the IP address. In cases where DHCP is used, the host address should be left as x, as in 10.0.3.x

While the diagram may keep tally of the total number of devices, per device inventory is tracked within INVENTORY.MD. Please be sure to reflect any changes you've made in the diagram in this document as well

# Inventory

# Reception/HR | Floor 1

- PC - 4
- Switches/Routers - 6
- Wireless Devices - 1
- CCTV - 3
- Server - 1
- Printers - 1

# Design & Development | Floor 2

- PC - 13
- Switches/Routers - 4
- CCTV - 2
- Printers - 1

# QA & Testing | Floor 3

- PC - 8
- Switches/Routers - 2
- Printers - 1

# Executive Suite | Floor 4

- PC - 1
- Wireless Devices - 1
- Switches/Routers - 2
- Printers - 1