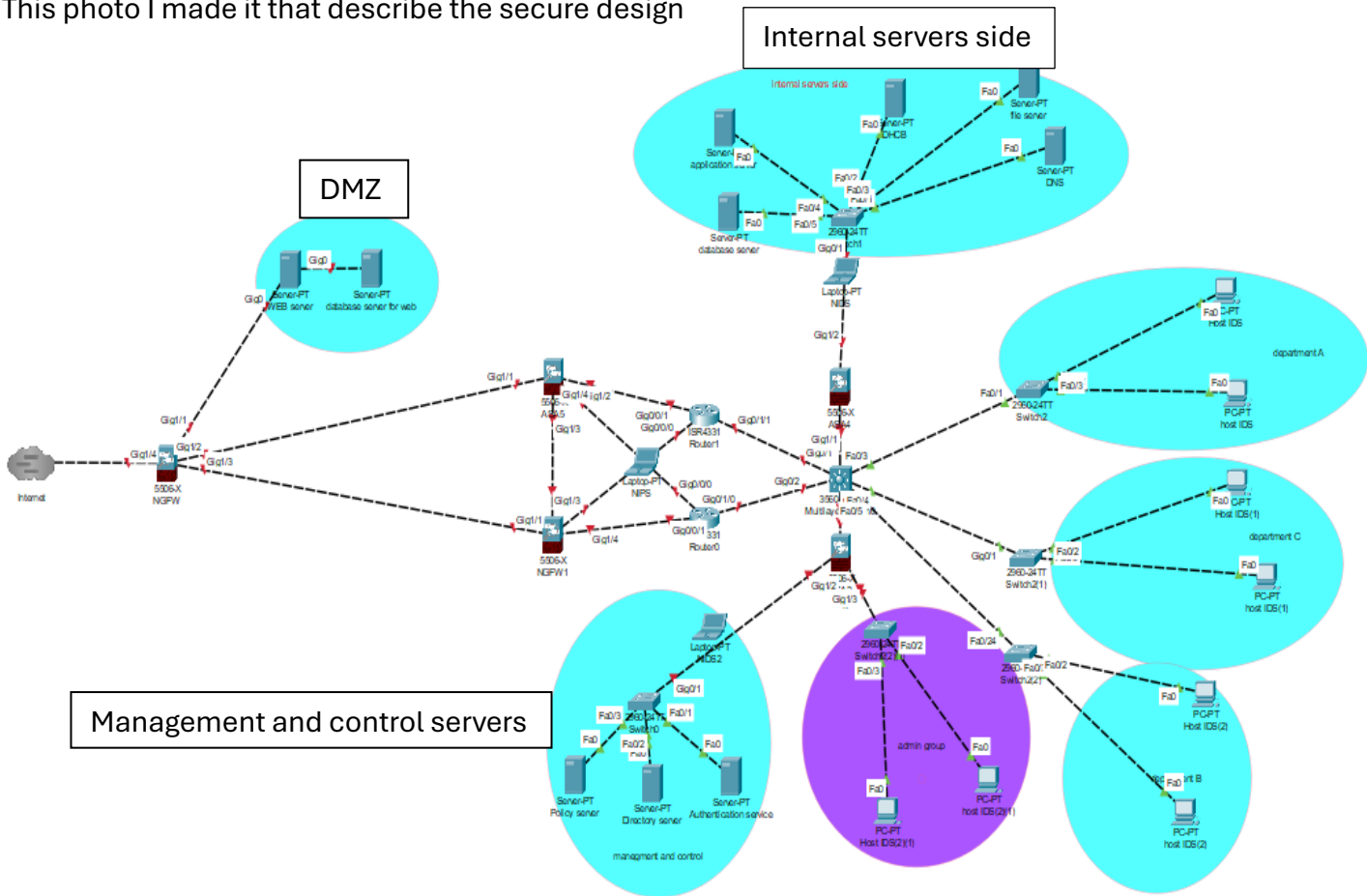


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Secure Network architecture

This photo I made it that describe the secure design



NGFW (Next Generation Firewall): Provides advanced threat protection, deep packet inspection, and application awareness to secure the network perimeter.

Router: Routes data packets between networks, directing traffic within the internal network and to external networks.

Switches: Connects devices within a local area network (LAN) and efficiently forwards data to the correct device.

HIDS (Host Intrusion Detection System): Monitors individual hosts for suspicious activity and potential security breaches, alerting administrators.

NIDS (Network Intrusion Detection System): Monitors network traffic for signs of malicious activity or policy violations, providing early detection of attacks.

DHCP (Dynamic Host Configuration Protocol): Automatically assigns IP addresses to devices on the network, simplifying network management.

File Servers: Provide centralized storage and access to files and documents for users and applications.

Database Servers: Manage and store structured data, handling requests from applications and users for data retrieval and manipulation.

Policy Servers: Enforce security policies and access controls across the network, ensuring compliance with organizational standards.

Web Servers: Host websites and web applications, serving content to users over the internet or an intranet.

Directory Services: Manage user identities and access permissions, allowing for centralized authentication and authorization.

Internally Used Apps: Applications that are essential for business operations, typically hosted on internal servers and accessed by employees.

NIPS: Actively blocks malicious traffic by analyzing packets in real-time, preventing threats before they enter the network. Positioned inline, it stops or drops packets that match attack signatures.

Policy Server: Centralizes security policy management, enforcing rules across network systems to maintain a consistent security posture. Ensures compliance and logs policy violations for auditing.

