1. **Network Reconfiguration**:
   1. **Network diagram**A diagram of a computer network

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   2. **Port assignment and VLAN** **assignment**for each switch

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1. **Traffic Flow Configuration**:
   1. Configured a firewall rule to **allow port 80** HTTP from the WAN to the FTP server.
   2. Configured a firewall rule to **allow port 443** HTTPS from the WAN to the FTP server.

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* 1. Configured a firewall rule to **block port 80** HTTP from the WAN to any other system.
  2. Configured a firewall rule to **block port 443** HTTPS from the WAN to any other system.

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1. **Organizational Security Strategy**

Key points within the system were improved and simplified. We achieved strong security by sectioning off the servers from other parts of the network. They now have their own routing system as well as Customer Service and Human Resources having their own. Stronger firewall rules were put in place to narrow down bad traffic while still allowing proper network traffic through the correct channels such as ports 80 and 443. Without the restructuring points within the system were exposed to outside attacks as well as exposed network infrastructure.

How is the CIA **triad** (confidentiality, integrity, and availability) affected by the restructuring.

Segmenting the network properly and adjusting firewall rules put in place stronger security protecting all assets within the network. Proper port rules are set up to route traffic through to the correct channels, while closing off insecure channels protecting confidentiality. Maintaining the separation of each department within the network as well as segmenting off server access protects the overall surface area of the business. Before there was a greater chance of data exposure while with this restructuring it maintains the data integrity overall. By segmenting the departments, it brings heightened focus on the proper privileges each workstation will have. With that it also focuses on reducing traffic flow within the network optimizing the availability of each workstation overall versus a more open infrastructure.