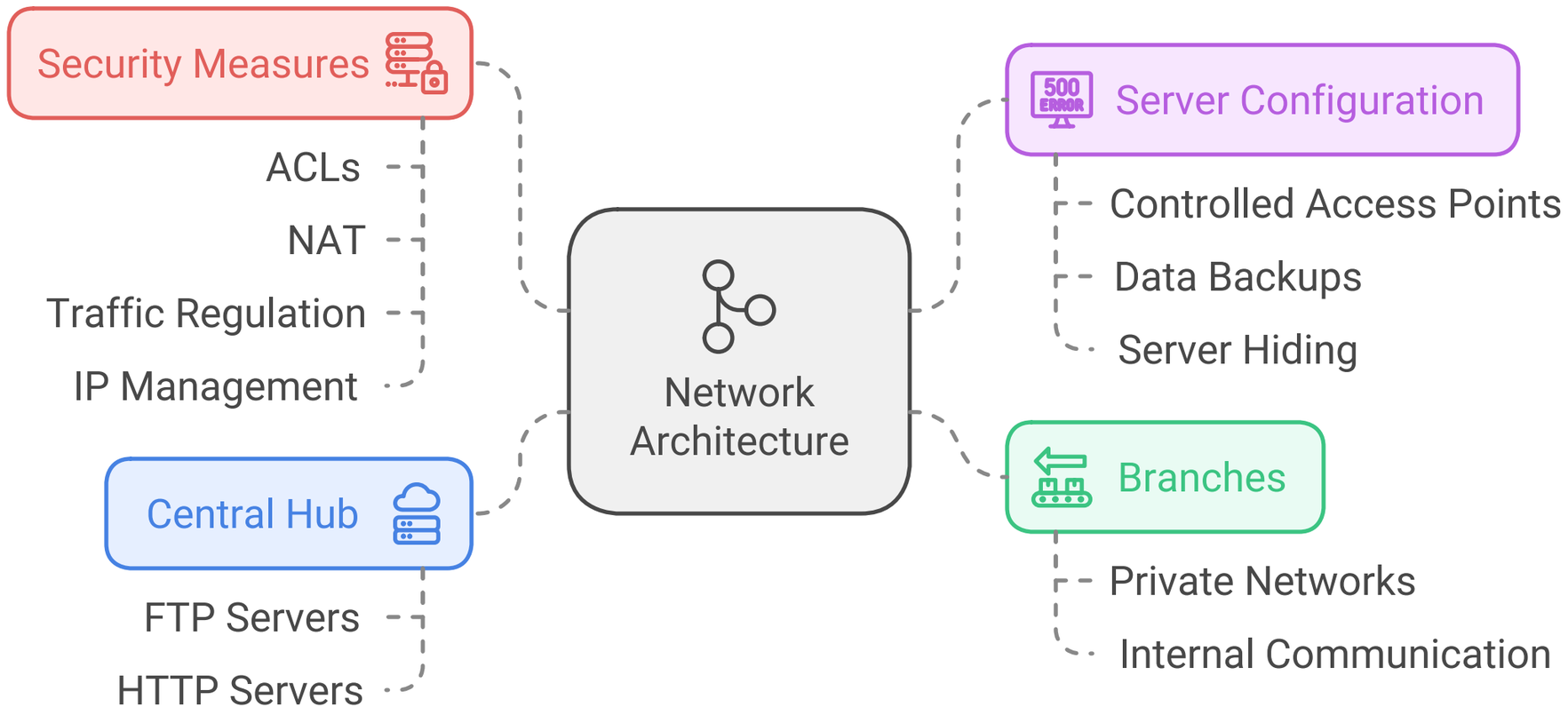
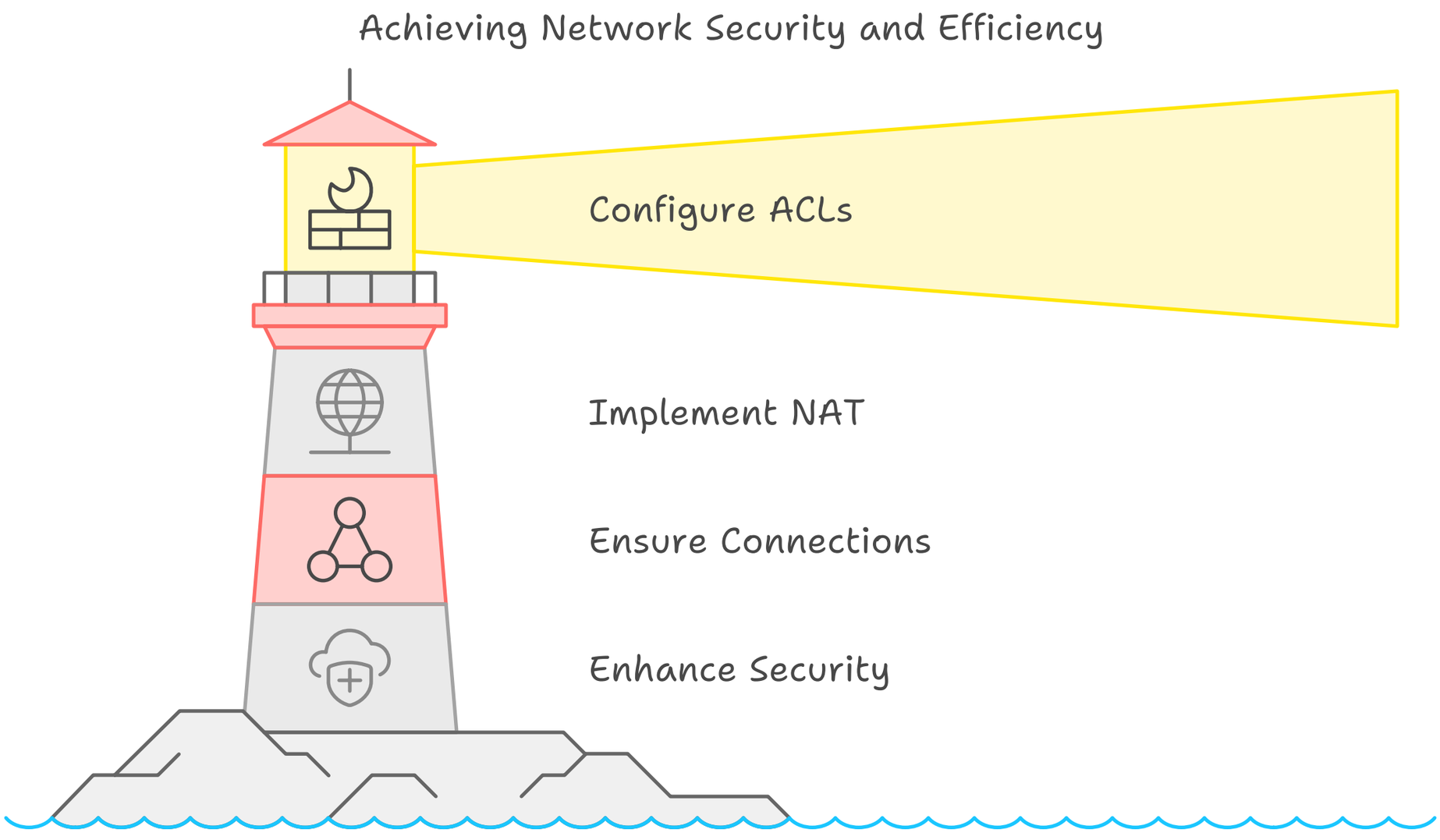
Graduation Project

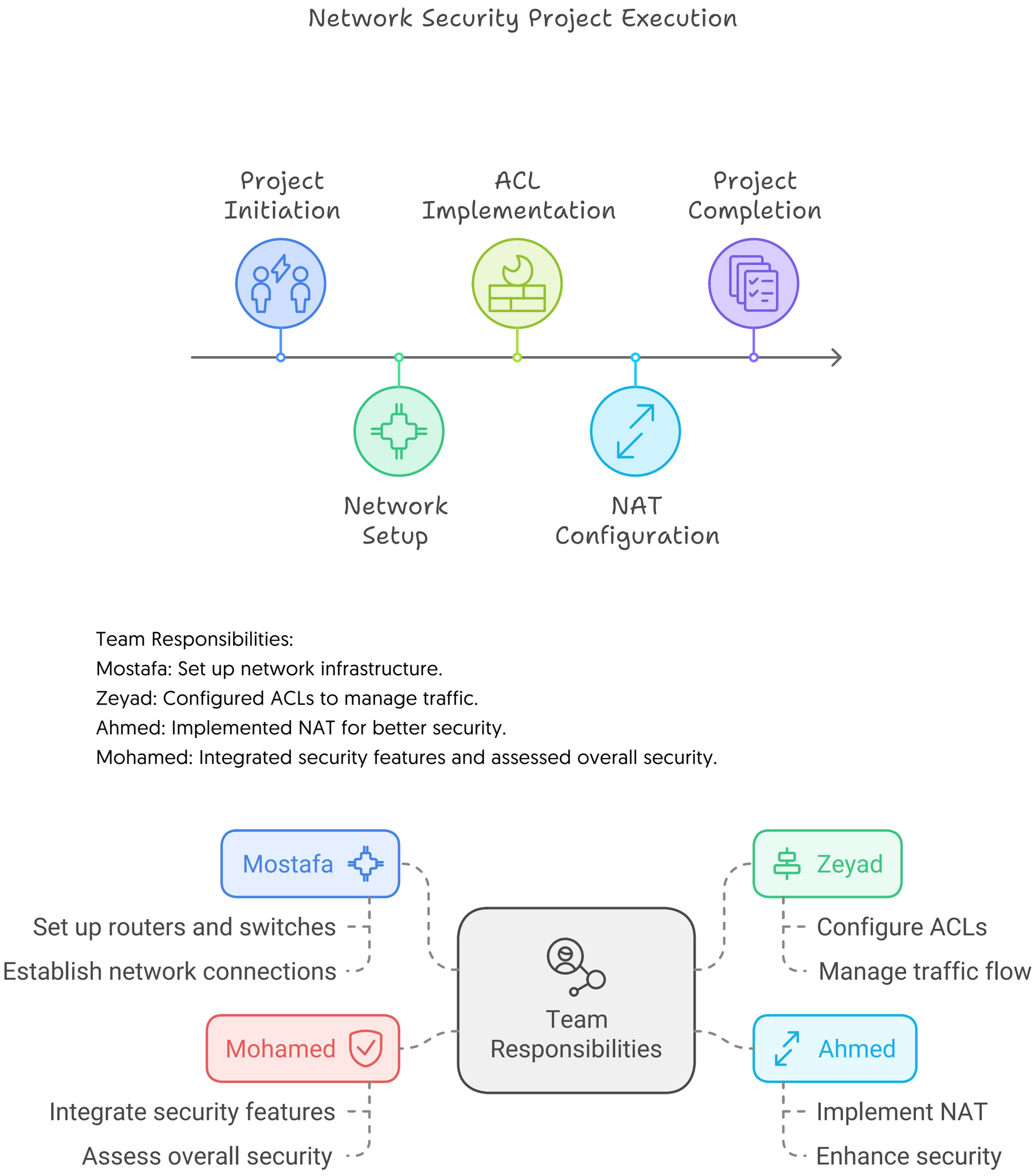
Network Description: The network consists of three main areas, each representing a branch of the MMZA factory. Each branch has its own private network, ensuring that internal communication remains secure. All branches are connected to a central hub where critical servers are located, including FTP and HTTP servers. ACLs (Access Control Lists) and NAT (Network Address Translation) have been implemented across the network to regulate traffic flow, enhance security, and manage IP addresses efficiently. The configuration ensures that the servers are hidden and only accessible through secure and controlled access points, with all necessary backups in place to prevent data loss.



1. Configure ACLs to control traffic and secure network access.
2. Implement NAT for IP address management.
3. Ensure smooth connections between the branches and the server hub.
4. Assess and enhance overall network security.



Execution: The project was completed successfully. The network was set up and secured with ACLs and NAT, ensuring efficient and protected operations for all branches.


Network Security Project Execution
Project Initiation
ACL Implementation
Project Completion
Network Setup
NAT Configuration
Team Responsibilities:
Mostafa: Set up network infrastructure.
Zeyad: Configured ACLs to manage traffic.
Ahmed: Implemented NAT for better security.
Mohamed: Integrated security features and assessed overall security.
Mostafa
Set up routers and switches
Establish network connections
Zeyad
Configure ACLs
Manage traffic flow
Team Responsibilities
Mohamed
Integrate security features
Assess overall security
Ahmed
Implement NAT
Enhance security
Conclusion: The factory now benefits from stronger security, better traffic control, and improved IP address management across its networks.
This condensed version should be clear and easy to present.

Network Security Project Execution

Improved Network Operations

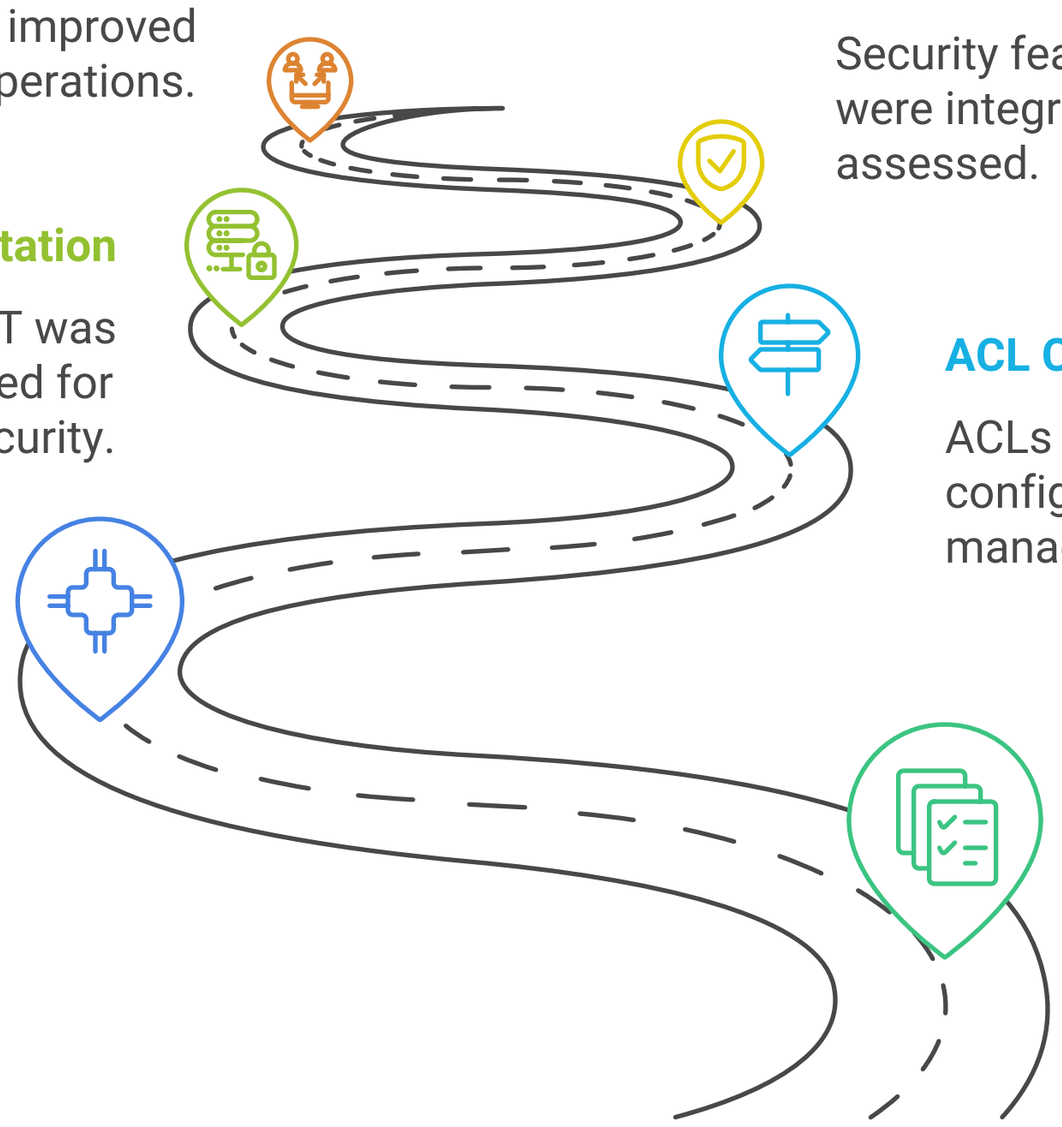
The factory benefits from improved network operations.

Security Integration

Security features were integrated and assessed.

NAT Implementation

NAT was implemented for better security.



ACL Configuration

ACLs were configured to manage traffic.

Network Setup

The network infrastructure was established.

Project Completion

The project was successfully completed.