Network Security Analysis Report

This report provides a security analysis of a small business network architecture.

Findings:

- Single router connection to ISP

- Firewall protects internal network

- Switch distributes traffic to staff PCs and file server

- Wi-Fi AP provides wireless access

Risks:

- No network segmentation

- File server exposed on same LAN as staff PCs

- Wi-Fi not separated for guests

- No monitoring tools

Recommendations:

- Add VLAN segmentation

- Isolate file server into separate subnet

- Create guest Wi-Fi network

- Enable firewall logging and monitoring