Recurity Assessment Report

77 Date: 30 June 2025

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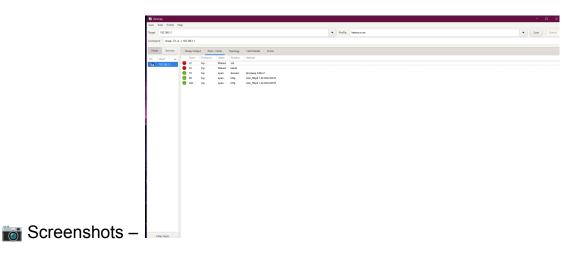
P Location: Udaipur, Rajasthan

Introduction

This report presents a basic security assessment of my personal home Wi-Fi network. The objective is to identify common vulnerabilities and apply simple yet effective fixes. All steps are performed manually using beginner-friendly tools,

m Tools Used

- Zenmap (Nmap GUI) for scanning open ports
- Router Admin Panel for reviewing device info and settings



Network Details

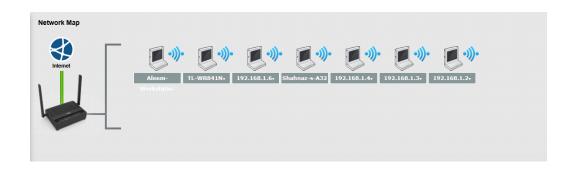
Parameter Value

Router IP Address - 192.168.1.1 (or as per ISP)

SSID Name - Airtel_aleem (example)
Encryption Type - WPA/WPA2-Tkip-AES

WPS Status - X Disabled

Total Connected Devices - 6 (via admin panel)



∏ Port Scan Results (via Zenmap)

Using Zenmap, a port scan was performed on the router IP to identify exposed network services.

Port Number	Service	Status	Risk Level
80	HTTP	Open	Potential risk
443	HTTPS	Open	Safe
22	FTP	Open	High Risk
23	SSH	Open	High Risk
53	TELNET	Open	Medium Risk

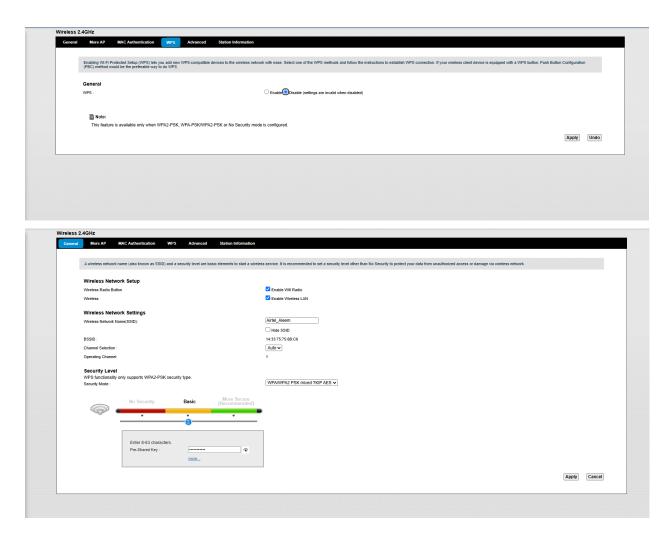
Router Security Audit

The following critical settings were reviewed from the router admin panel:

Security Check Status Risk Level Recommendation

Default Password Changed
WPS (Wi-Fi Setup) Disabled
Firmware Version Up to Date
Remote Access Disabled
Guest Network Not Configured
pass

✓ Safe
 ✓ Safe
 ✓ Safe
 ✓ Safe
 ✓ Check regularly for updates
 ✓ Safe
 No action needed
 Neutral
 IOptional; enable with strong



P Wi-Fi Password Strength Audit

Current Password: ********* (hidden)

Strength Analysis:

- 12+ characters
- ✓ Uppercase + lowercase + numbers
- No dictionary words
- > Strong Password in use

Recommendations

- WPS disabled (completed)
- ✓ Use strong and unique Wi-Fi passwords
- Change default router login credentials
- Keep router firmware up-to-date
- Monitor connected devices monthly
- ✓ Disable remote access if not needed

Conclusion

This beginner-level security audit of my home Wi-Fi network helped me understand basic vulnerabilities and apply real-world fixes. I identified exposed ports, disabled risky features like WPS, and confirmed the use of strong encryption and password practices. This process boosted my practical understanding of network security