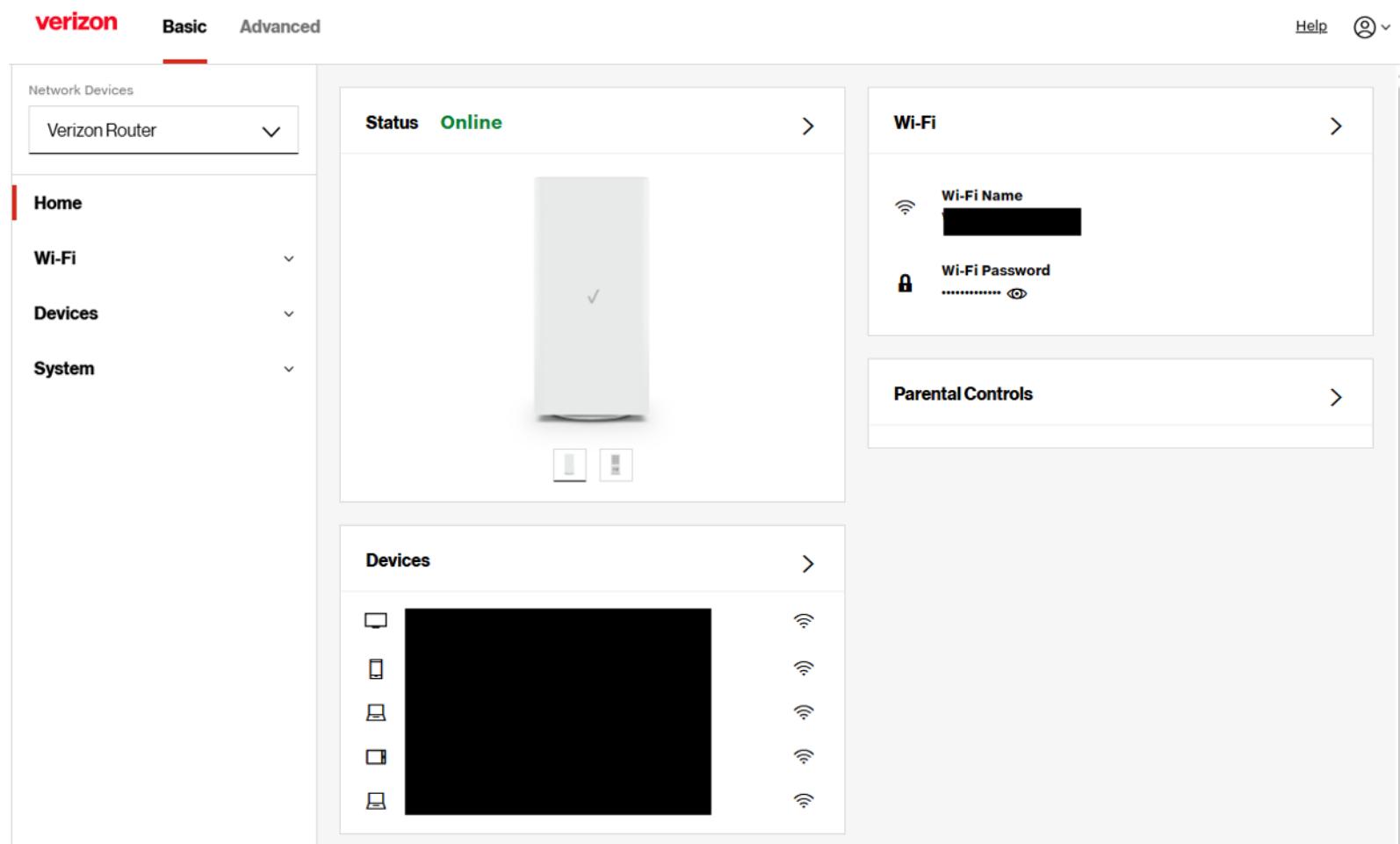# 📎 Appendix: Evidence & Screenshots

This appendix provides screenshot evidence of security changes made during the home network hardening process.

1. Home Network Router Login Dashboard

Purpose: Verified administrative access to the router interface. This confirms the ability to manage and

secure network settings.

Screenshot: Router login screen

2. Wireless Security Settings - WPA3 (Wi-Fi Protected Access 3) Enabled

Purpose: Confirmed that the Wi-Fi network uses strong encryption (WPA3). Older settings like WPA2 are less secure.

Screenshot: Wi-Fi security settings showing WPA3 enabled

3. WPS Status - Before

Purpose: WPS was originally turned on. This feature makes connecting devices easy but can be abused by attackers.

Screenshot: WPS enabled

4. WPS Status - After

Purpose: WPS was disabled to prevent brute-force attacks and increase network security.

Screenshot: WPS turned off

5. Administrator Password Change

Purpose: Verified that the default router password was changed to a strong one to prevent unauthorized access.

Screenshot: Password settings page

6. Wi-Fi Name (SSID) - Before

Purpose: The default Wi-Fi name revealed the router brand, which can make the network easier to identify and target.

7. Wi-Fi Name (SSID) - After

Purpose: The Wi-Fi name was changed to a custom one to reduce fingerprinting and protect network privacy.

Screenshot: Updated SSID shown

8. Router System Information & Firmware Version

Purpose: Verified router firmware version and confirmed that updates are automatically applied by the internet provider. This ensures the router stays protected with the latest security patches.

verizon   Basic   **Advanced**   Help 👤⌄

Network Devices

| Verizon Router ⌄ |

System > System Status

System Status

Auto-refresh ⚪   **Refresh**

Diagnostics

System Logging

System-wide Connections

Backhaul Logging

System ⌃

System Status

Date & Time

Factory Reset

LED Brightness

Open Source Software

Reboot Router

Remote Administration

System Settings

Router

Firmware Version
3.6.0.2_BD

Hardware Version
0.0.C

Model Name
CR1000A

Serial Number
███████████████████

LAN IPv4 Address
███████████████████

Broadband MAC address
███████████████████

Broadband Physical Connection
Ethernet

Router has been active for
68 day(s) 2 hours 11 minutes 59 seconds

LED Status
Normal operation

Screenshot: System info page

🔒 Privacy Note

Sensitive information (device names, MAC addresses, IPs, logins) has been redacted for security and privacy reasons.