

User Task List for the Home Network Vulnerability Assessment Tool

(Not all features are available within the tool as of right now. These are the desired user tasks based on the survey results)

Getting Started

Install the Tool:

Download the software from a secure link.

Install the tool on a device (Windows).

Accept the terms of use and disclaimers.

Set Up the Tool:

Launch the tool.

Enter basic information about the home network (e.g., number of devices, type of router).

Navigating the Interface

Access Main Menu:

Understand the layout and tabs (e.g., "Scan Network," "Security Checklist," "Reports," "Help").

Learn how to navigate between sections using intuitive tabs/buttons.

Review Disclaimer:

Acknowledge the tool's purpose, limitations, and cautions against misuse.

Network Scanning and Analysis

Run a Network Scan:

Initiate a scan to detect connected devices and open ports.

View results with details on device names, IP addresses, and vulnerabilities.

Identify Vulnerabilities:

Highlight weak or default passwords.

Detecting unnecessary open ports.

Flag outdated firmware or software.

Using the Security Checklist

Complete the Checklist(separate from tool for right now):

Step through a predefined security checklist (e.g., changing default credentials, enabling firewalls).

Mark tasks as completed, skipped, or pending.

Access detailed guides for:

Closing unnecessary ports.

Changing router/admin passwords.
Setting up a guest network for IoT devices.
Custom Actions

Generate Reports:
Export reports for reference or share with technical support.

Access Help Resources:
View FAQs, troubleshooting steps, and video tutorials.
Contact support for advanced guidance.