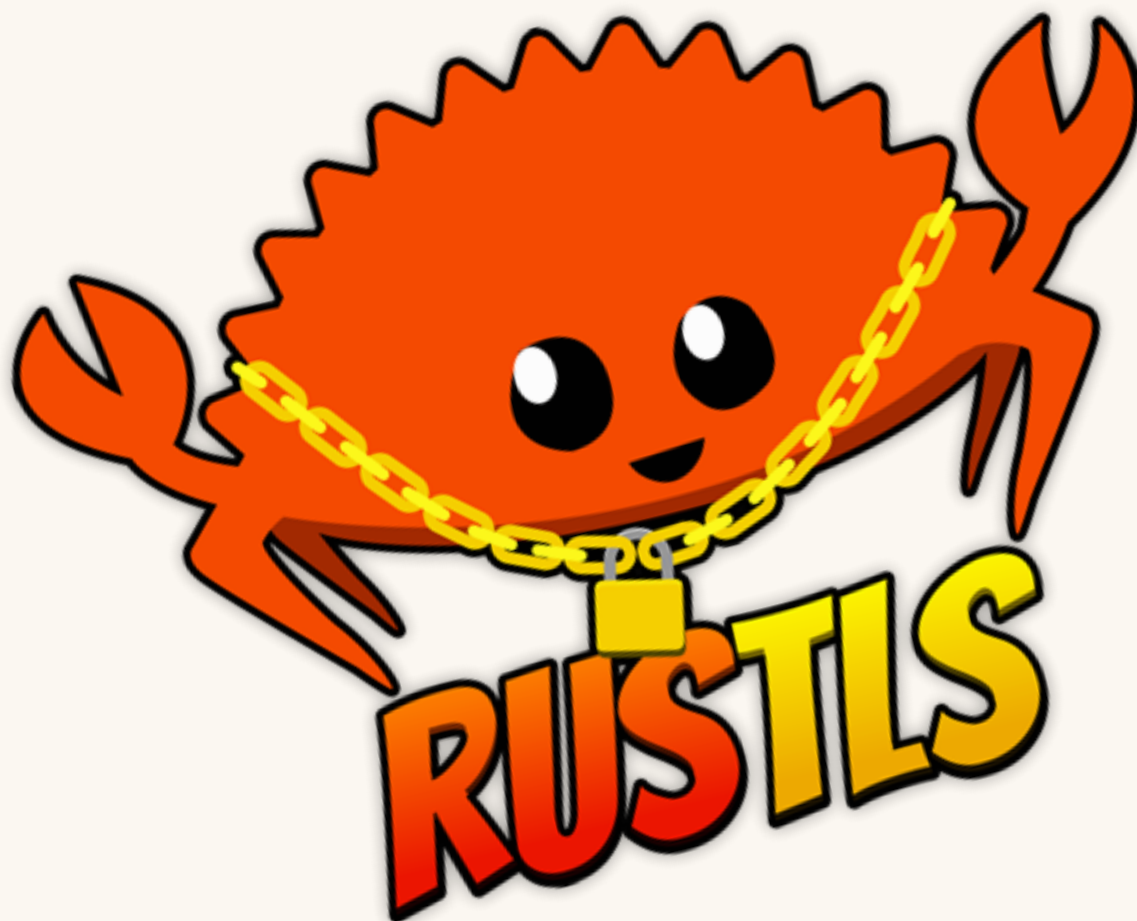


RUST FINAL PROJECT

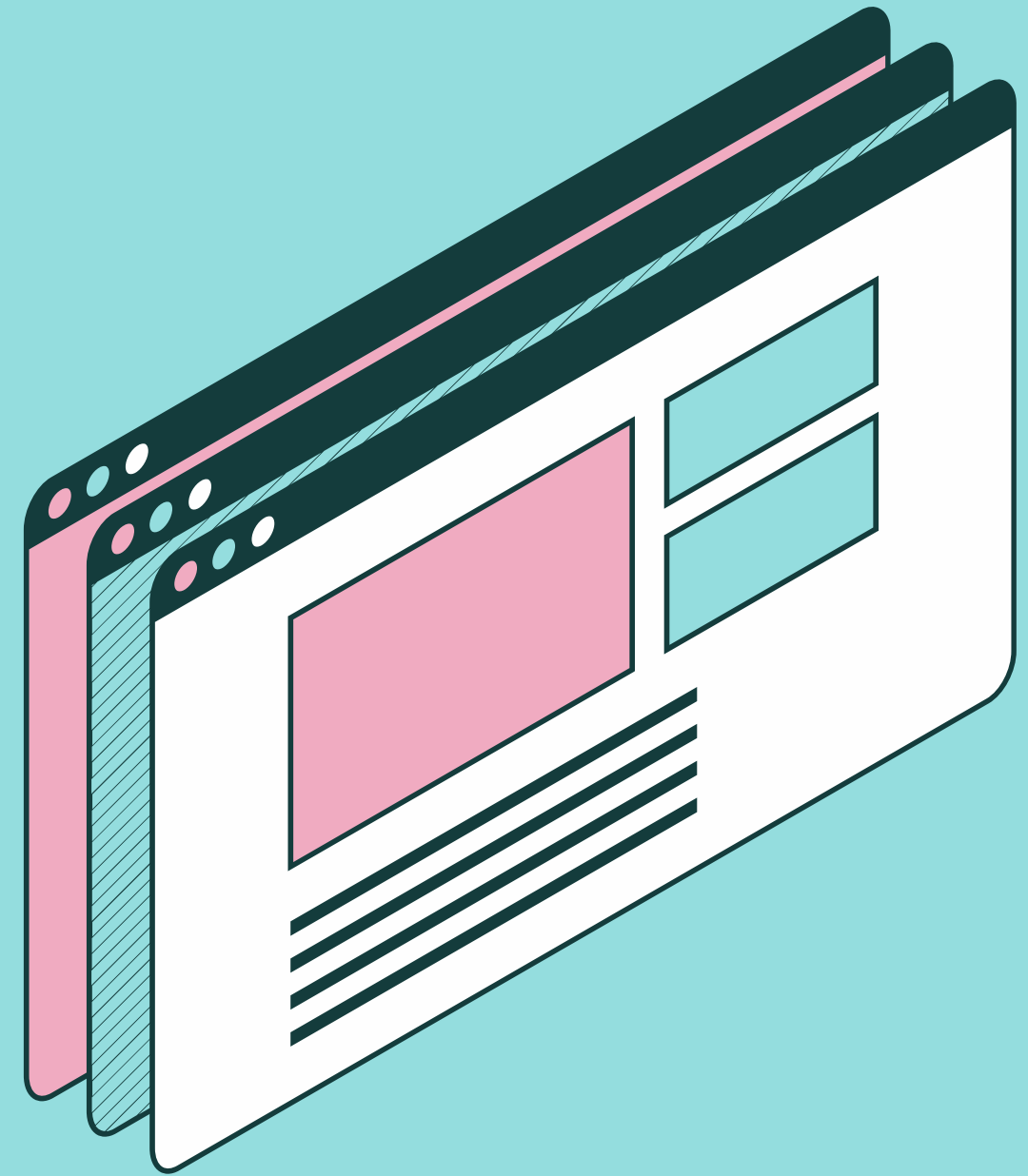
NETWORK SCANNER



By Phone Myat Pyae Sone (67011642)
La Min Maung (67011615)

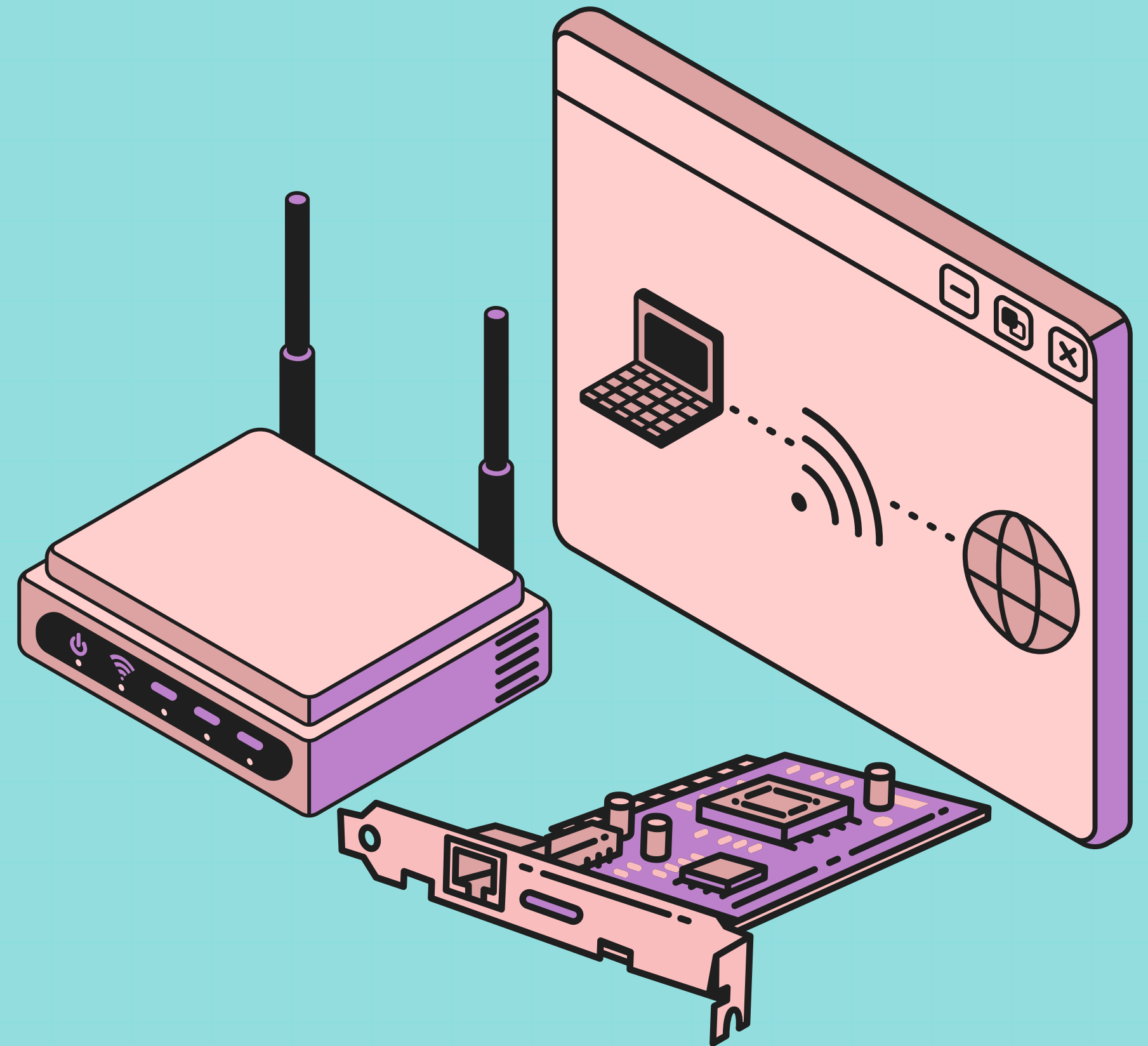
Tabel of contents

- Introduction to network scanner
- Explanation of its features
- Installation
- Example of its usages
- Thank You



Intro to Network Scanner

A network scanner is a software tool that examines the network , identifies and gather information about Ip addresses and ports.



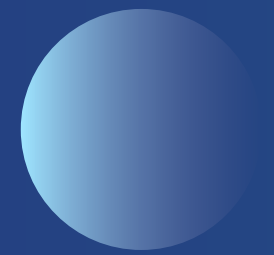
Port Scanning

- It scans and evaluates the status of ports on an ip address

DNS Scan

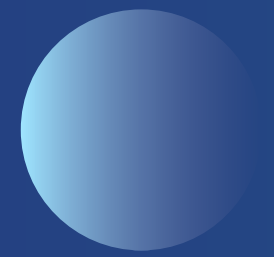
- Look up the IP address from DNS name

FEATURES



Service Detection

- Identifies common services based on port numbers



Save Function

- Save and export results as JSON file

First, ensure that Rust is already installed on your computer. If not, visit the following link to install it:

> <https://www.rust-lang.org/tools/install>

1. Clone the repository

> git clone
<https://github.com/PhoneMyatPyaeSone/network-scanner.git>

2. Go to project directory

> cd network-scanner

3. Run cargo

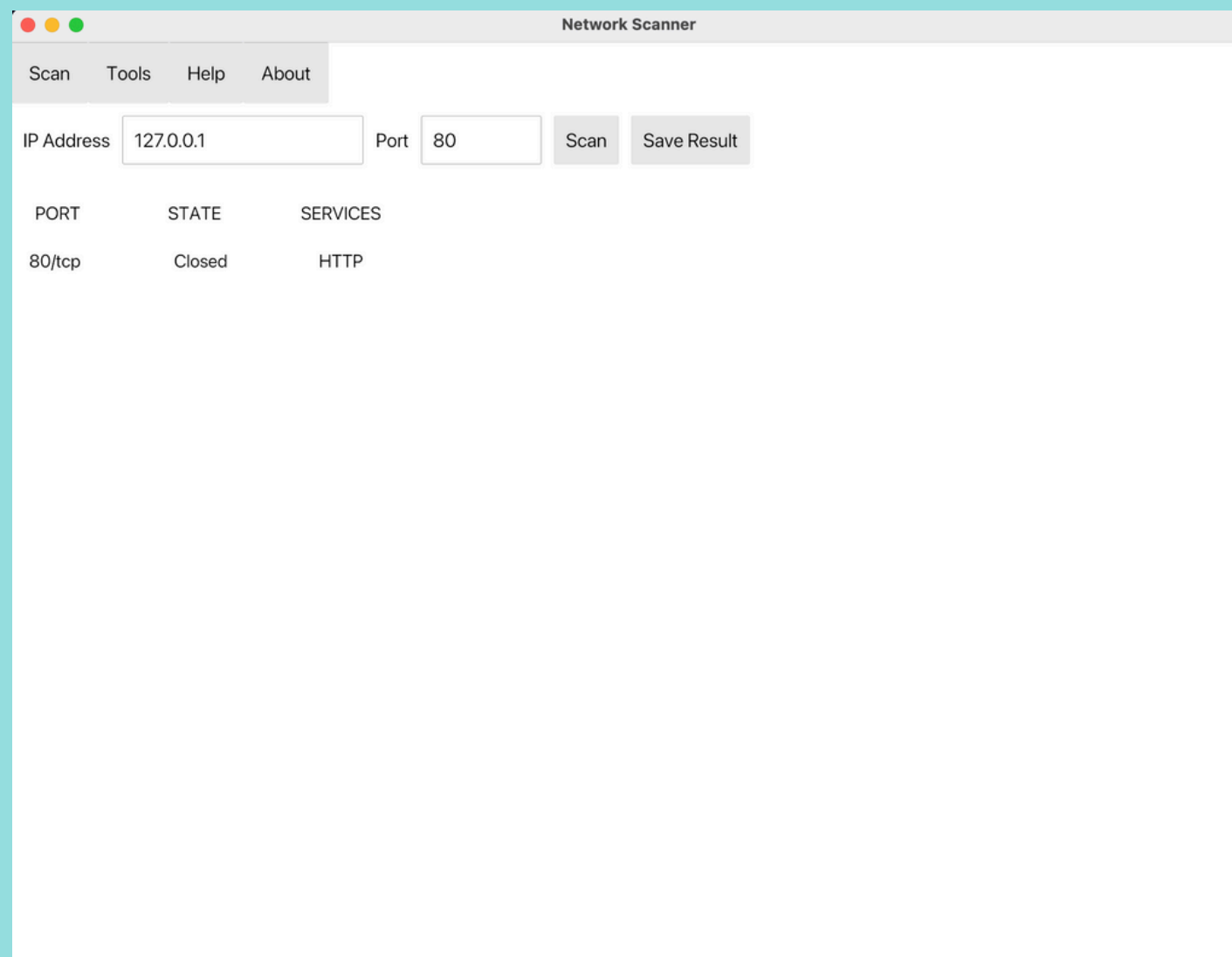
> cargo run

INSTALLATION

USER GUIDE

Single Port Scan

You only need to fill a single port number.

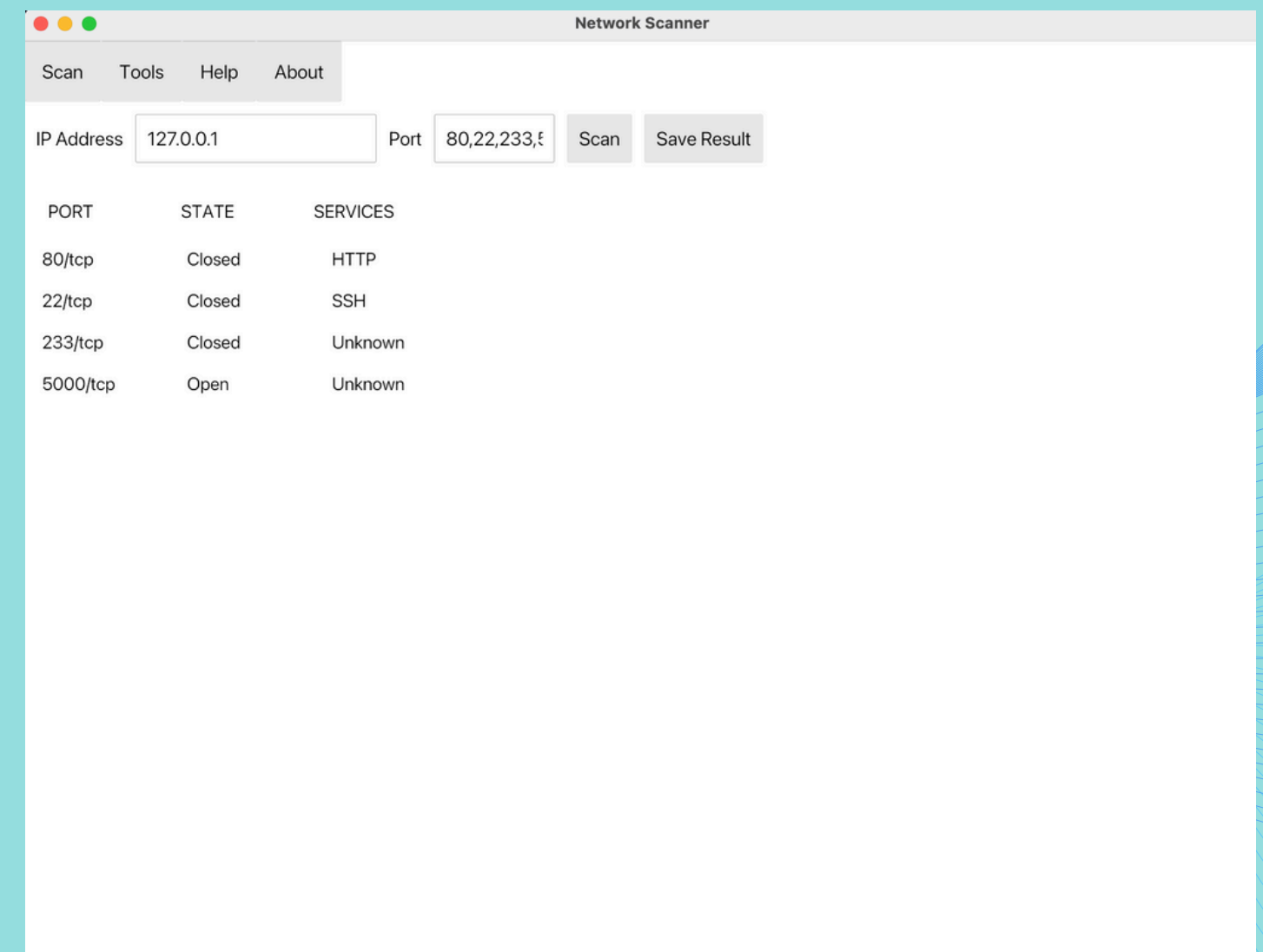


The screenshot shows the 'Network Scanner' application window. The 'Scan' menu is selected. The 'IP Address' field contains '127.0.0.1' and the 'Port' field contains '80'. The 'Scan' button is highlighted. Below the input fields, a table displays the scan results.

PORT	STATE	SERVICES
80/tcp	Closed	HTTP

Multiple Port Scan

If you want to scan multiple ports, split the port numbers with comma. eg. 80,22,223



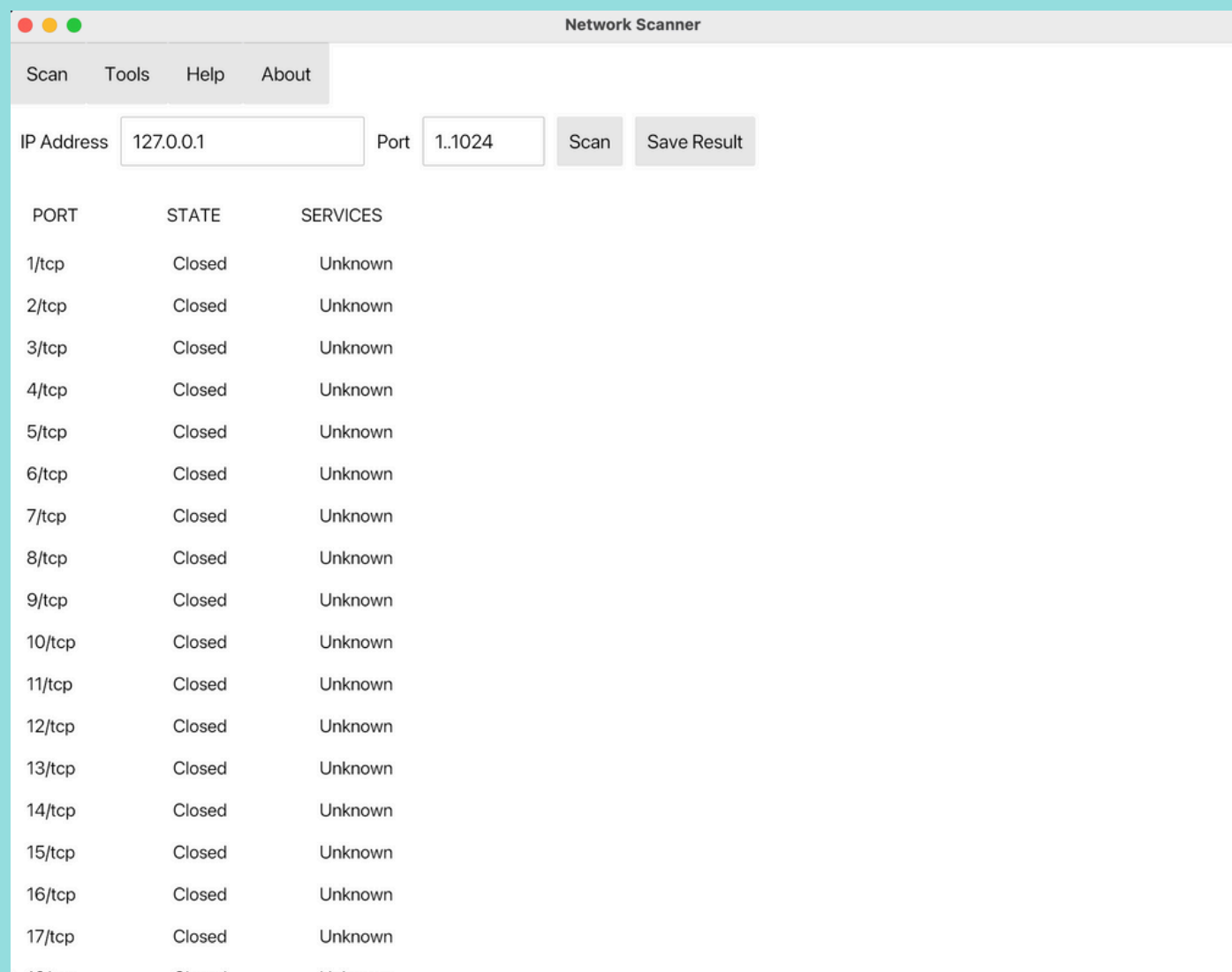
The screenshot shows the 'Network Scanner' application window. The 'Scan' menu is selected. The 'IP Address' field contains '127.0.0.1' and the 'Port' field contains '80,22,233,5'. The 'Scan' button is highlighted. Below the input fields, a table displays the scan results.

PORT	STATE	SERVICES
80/tcp	Closed	HTTP
22/tcp	Closed	SSH
233/tcp	Closed	Unknown
5000/tcp	Open	Unknown

USER GUIDE

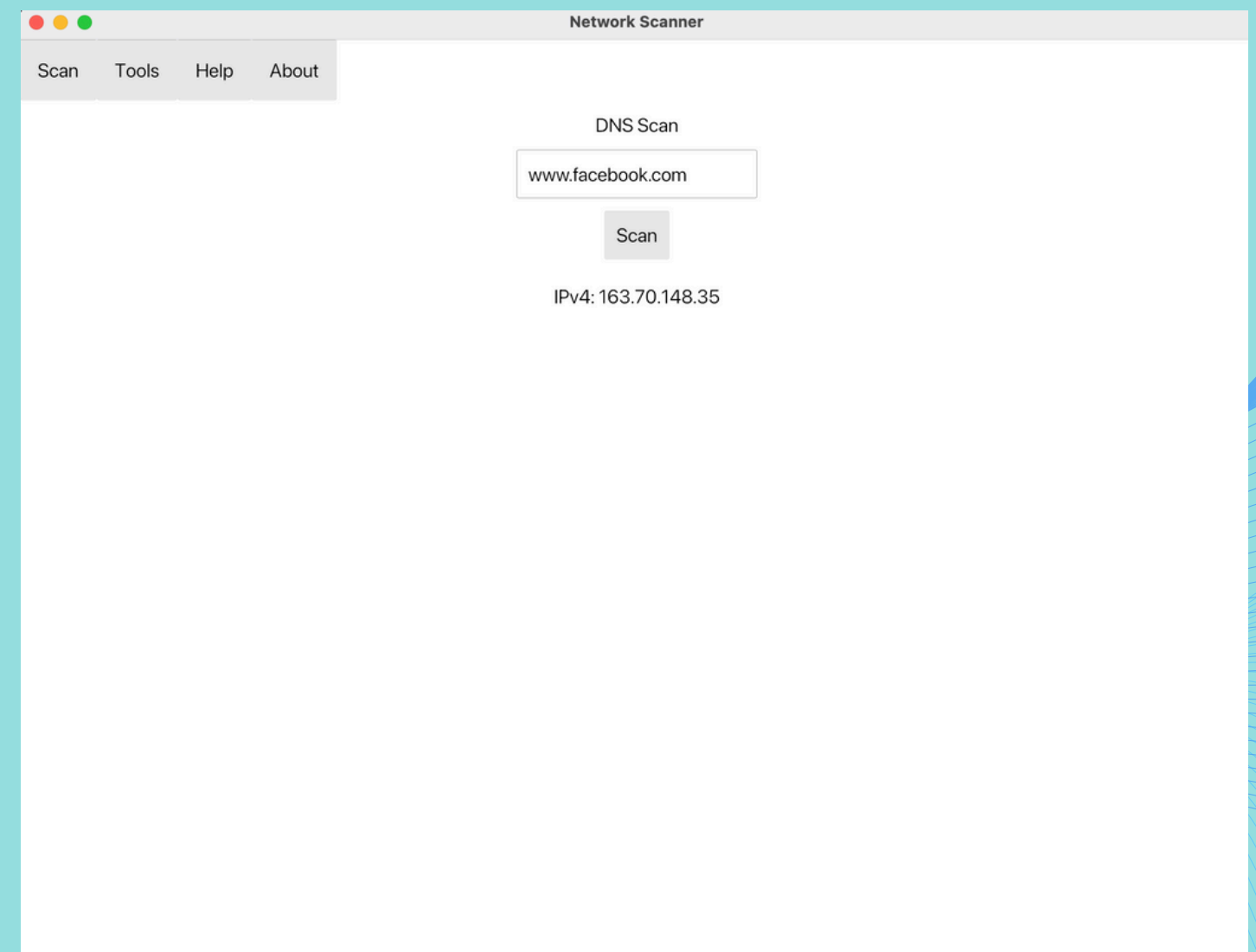
Range Port Scan

If you want to scan ports between 1 to 1024. You can use like this 1..1024.



DNS Scan

If you want to know the IPV4 address of the website. Just enter the domain name address. It will return IPV4 address



Please don't
ask any
questions



THANK YOU