

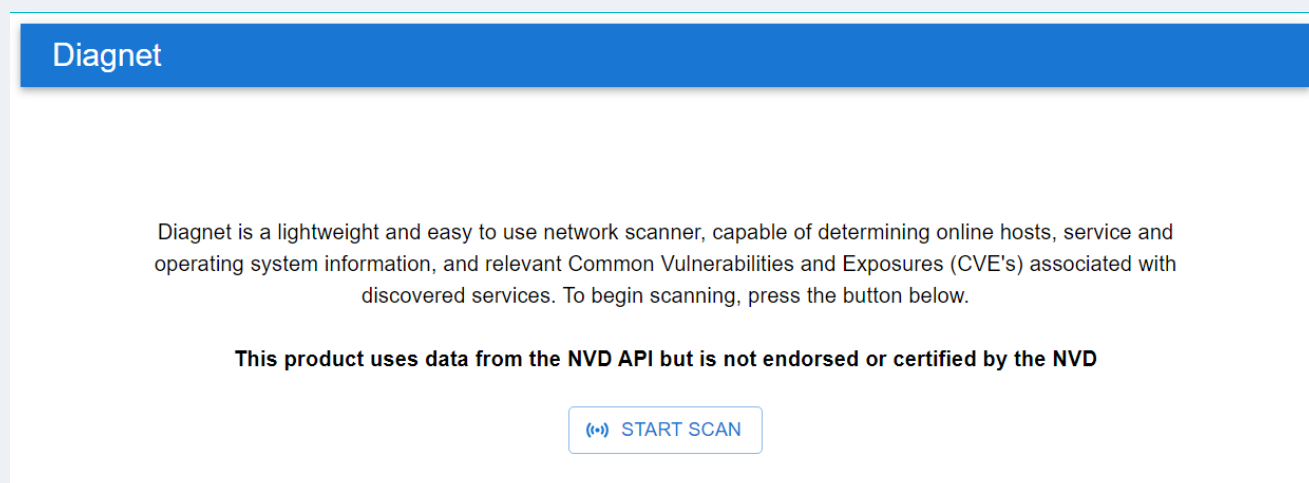
Diagnet

User Guide



INSTRUCTIONS

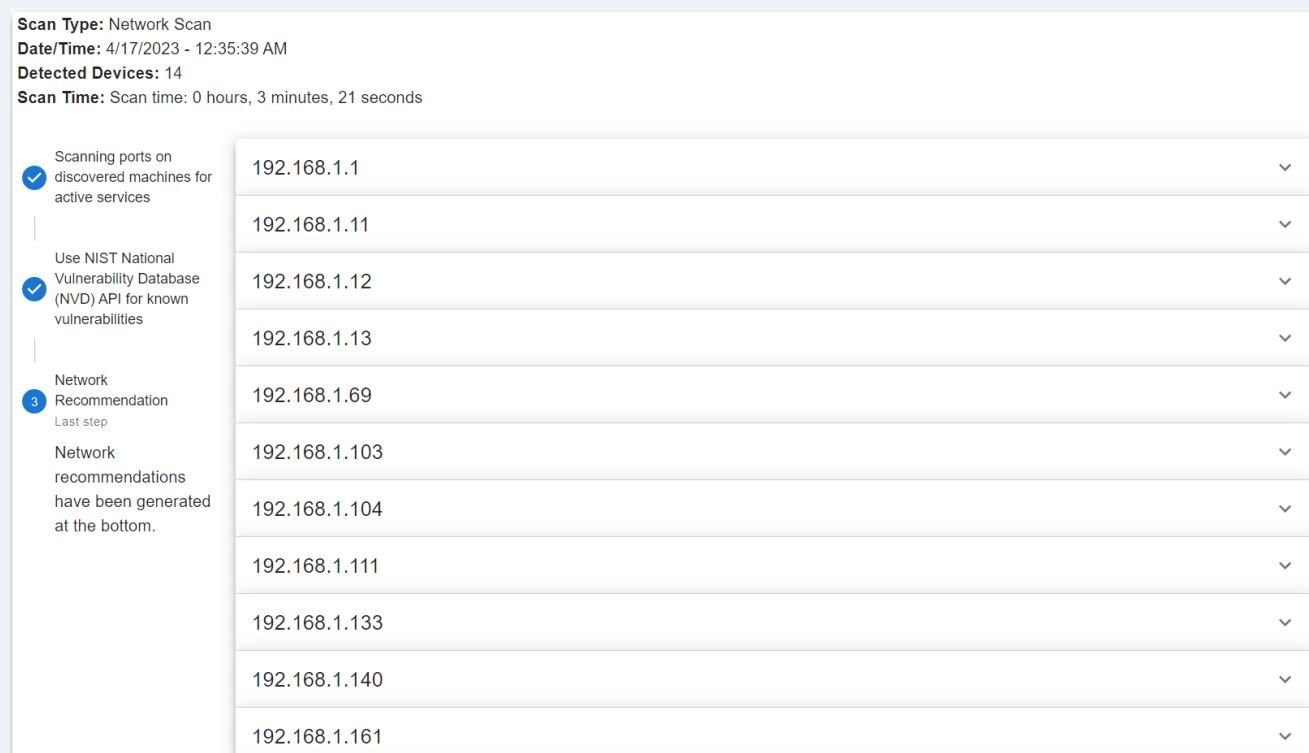
Diagnet is a simple to use network scanner, capable of identifying vulnerable services. The landing page of the application is displayed below:



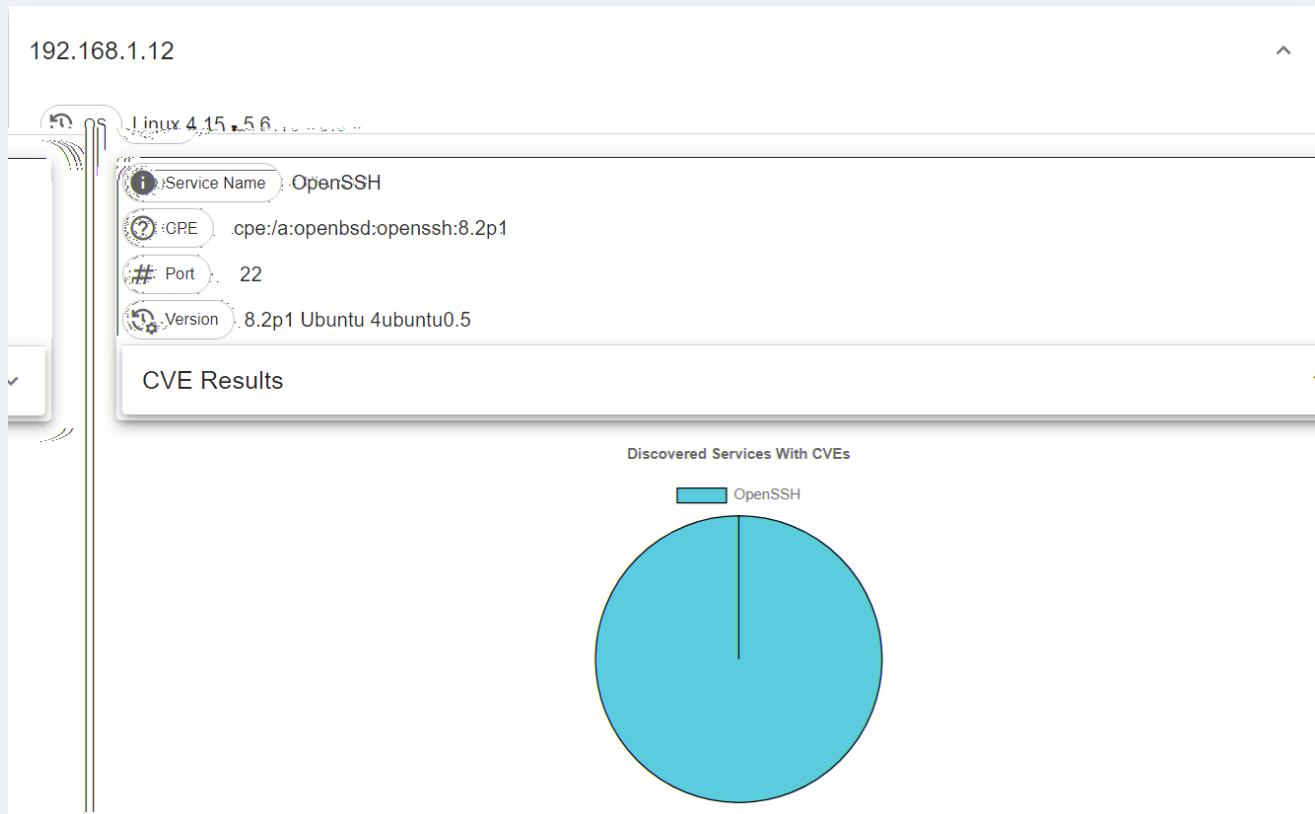
To begin the scan, press **START SCAN**.

Wait for the scan to complete, this process typically takes between 3 – 5 minutes.

Once the scan is complete, the following will be displayed:



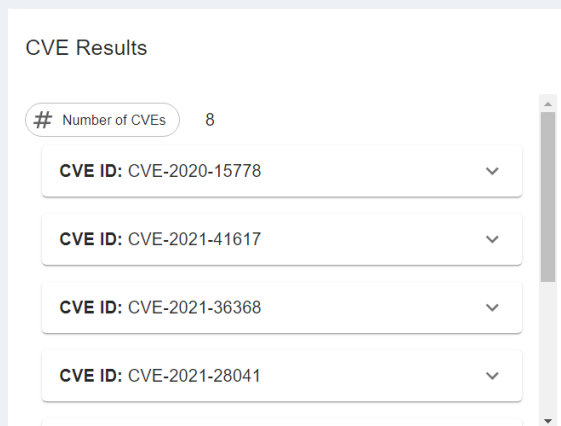
The result is a list of dropdowns, each corresponding to a single IP address. Upon opening a dropdown, the following is displayed:



Information captured during the scan is displayed, such as:

- Operating System
- Identified Services:
 - Service Name
 - Common Platform Enumeration (CPE)
 - Port
 - Version
- CVE Results Dropdown.
- Graph comparing discovered vulnerable services.

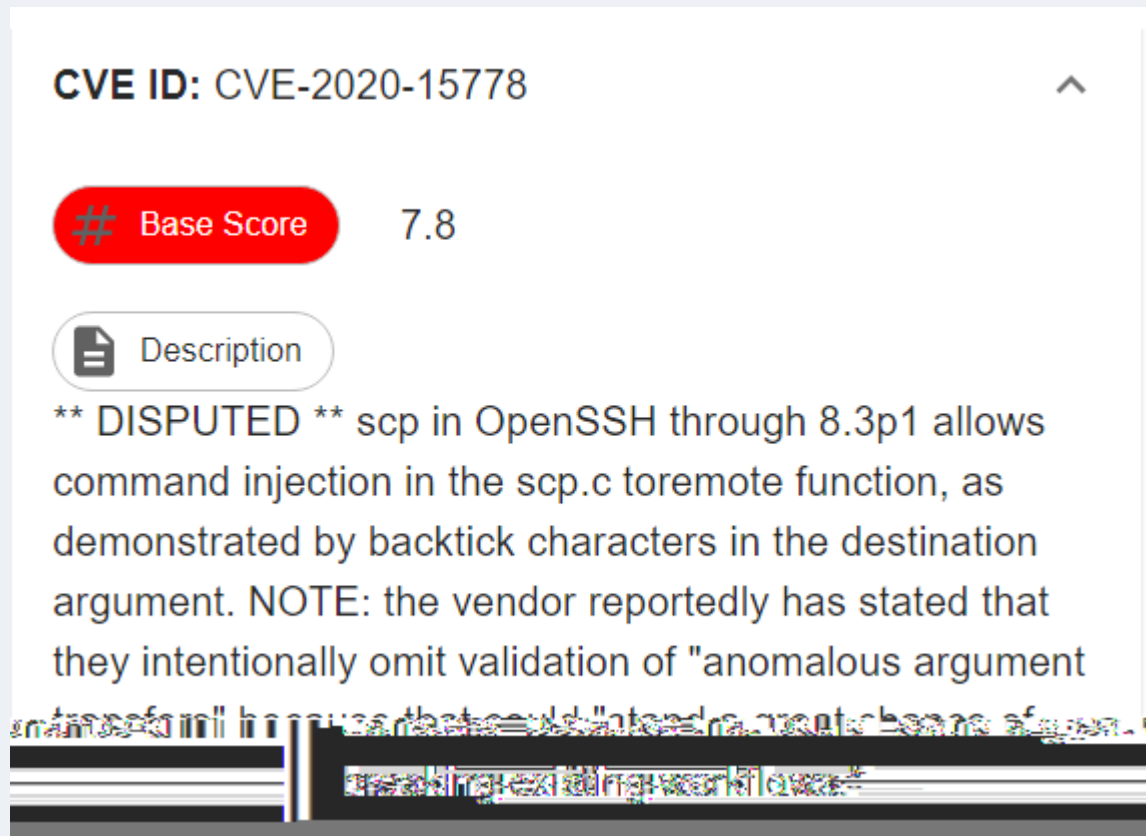
Upon opening the CVE results dropdown, the user is met with a list of all the Common Vulnerabilities and Exposures identified during the scan:



Displayed is the following:

- Number of CVEs found.
- CVE ID.

Upon opening a CVE item's dropdown, the following is displayed:



Displayed is the following:

- Base Score: Identifies the severity of the exploit according to the National Institute of Standards and Technology (NIST)
- Description: A brief description of the associated CVE.

At the end of the scan, a dynamically generated report of the findings is displayed:

Final Report

The following CVEs were discovered on the devices below. It is recommended to update every service affected in order to reduce the likelihood of a machine becoming compromised.

General tips to update your services:

Windows:

1. Navigate to the services web page
2. Download the latest version
3. Uninstall outdated version
4. Install new version

Unix:

Red Hat Distributions (RHEL, Fedora, CentOS, etc):

1. `sudo yum update && sudo yum upgrade`

This command updates the package index files, then upgrades the installed packages.

Debian Based Distributions (Ubuntu, Debian, etc):

1. `sudo apt update && sudo yum upgrade`

This command updates the package index files, then upgrades the installed packages.

Discovered IPs With CVEs

192.168.1.12 192.168.1.13

IP Address	Count
192.168.1.12	1
192.168.1.13	1

A list of all CVEs are also displayed alongside the report:

IP Address: 192.168.1.12

Service: OpenSSH

CVE ID: CVE-2008-3844

Base Score 9.3

CVE ID: CVE-2020-15778

Base Score 7.8

CVE ID: CVE-2021-28041

Base Score 7.1

IP Address: 192.168.1.13

Service: OpenSSH

CVE ID: CVE-2008-3844

Base Score 9.3

CVE ID: CVE-2020-15778

Base Score 7.8

CVE ID: CVE-2021-28041

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