



KNIGHT

USER MANUAL

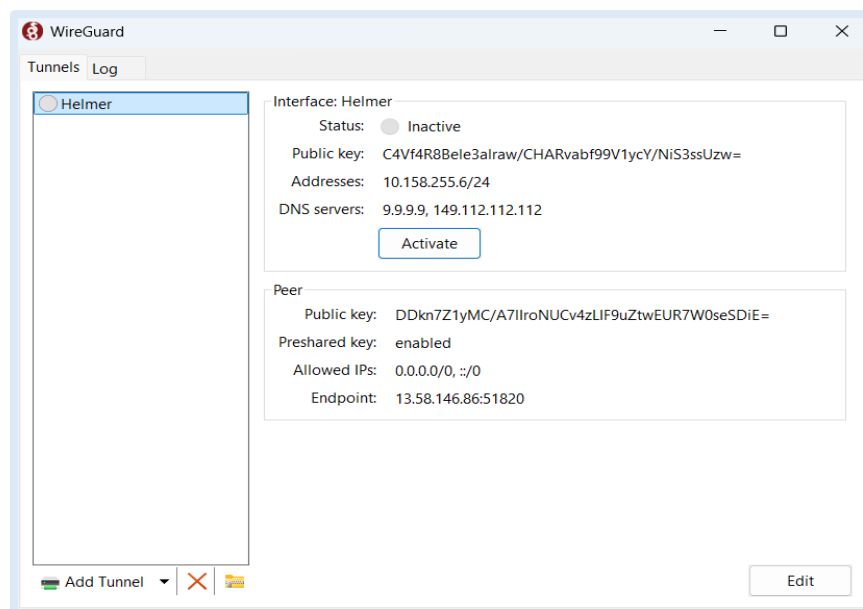


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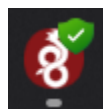
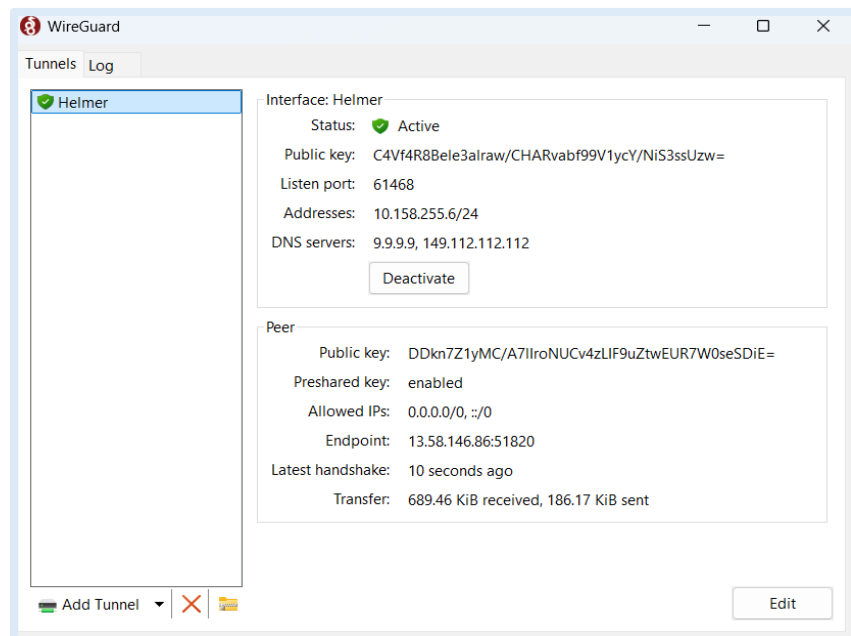
VPN Connection

Open WireGuard



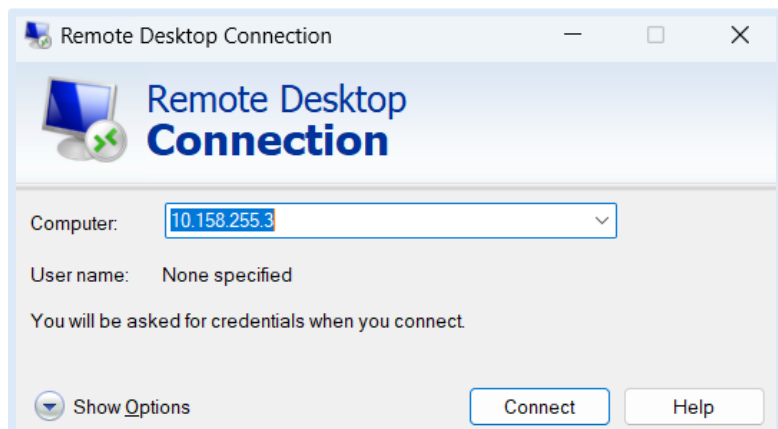
A member of the KNIGHT group should have already configured your VPN tunnel

Click Activate

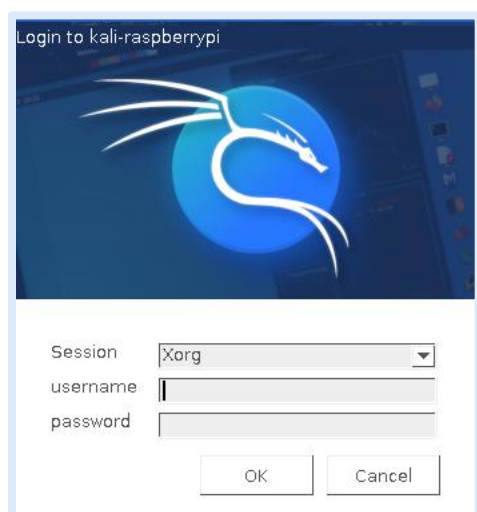


Your WireGuard is now active

Login to KNIGHT Device

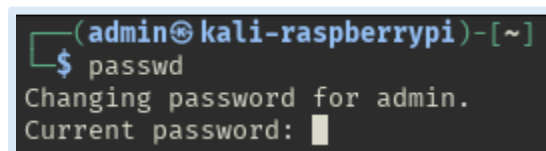


Open Remote Desktop Connection and enter the IP address of the KNIGHT device



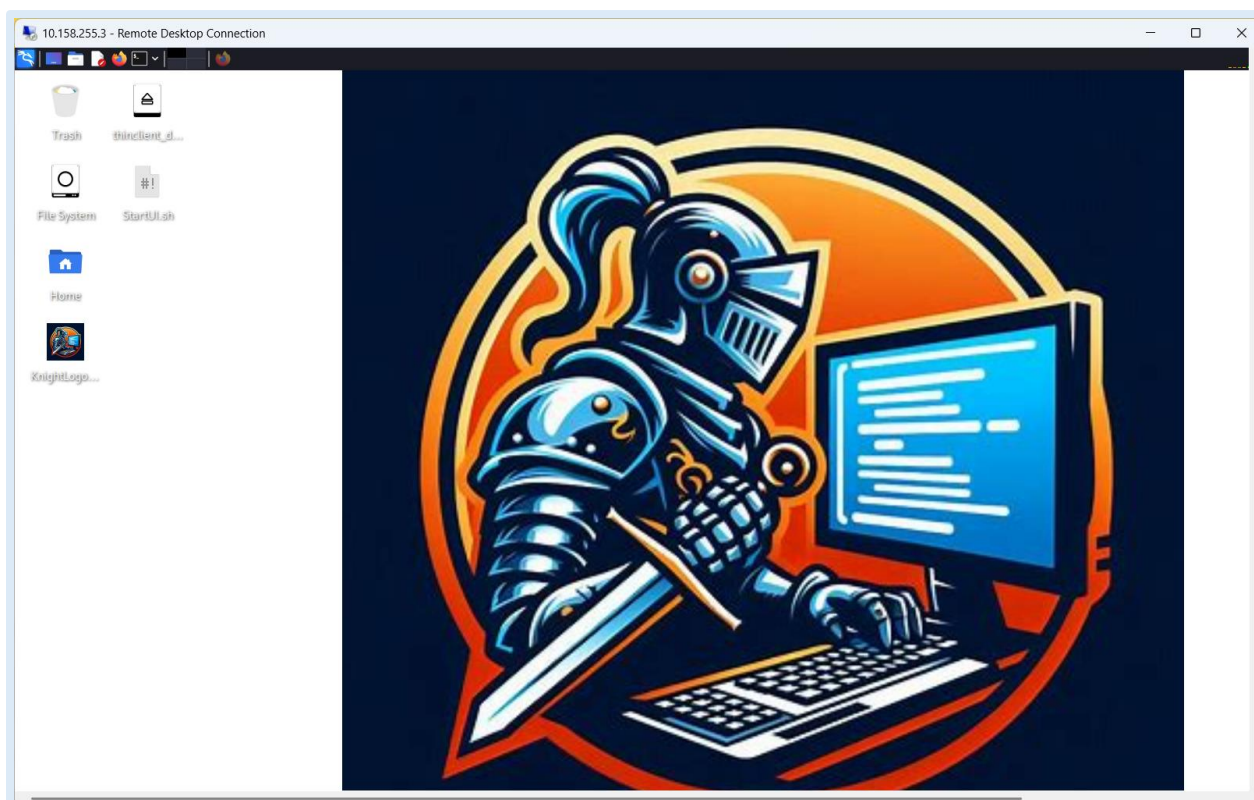
Enter Username and Password (kali and kali) on startup

Click OK



Open the terminal and enter passwd

Enter kali and then your new password (make sure to remember your password)

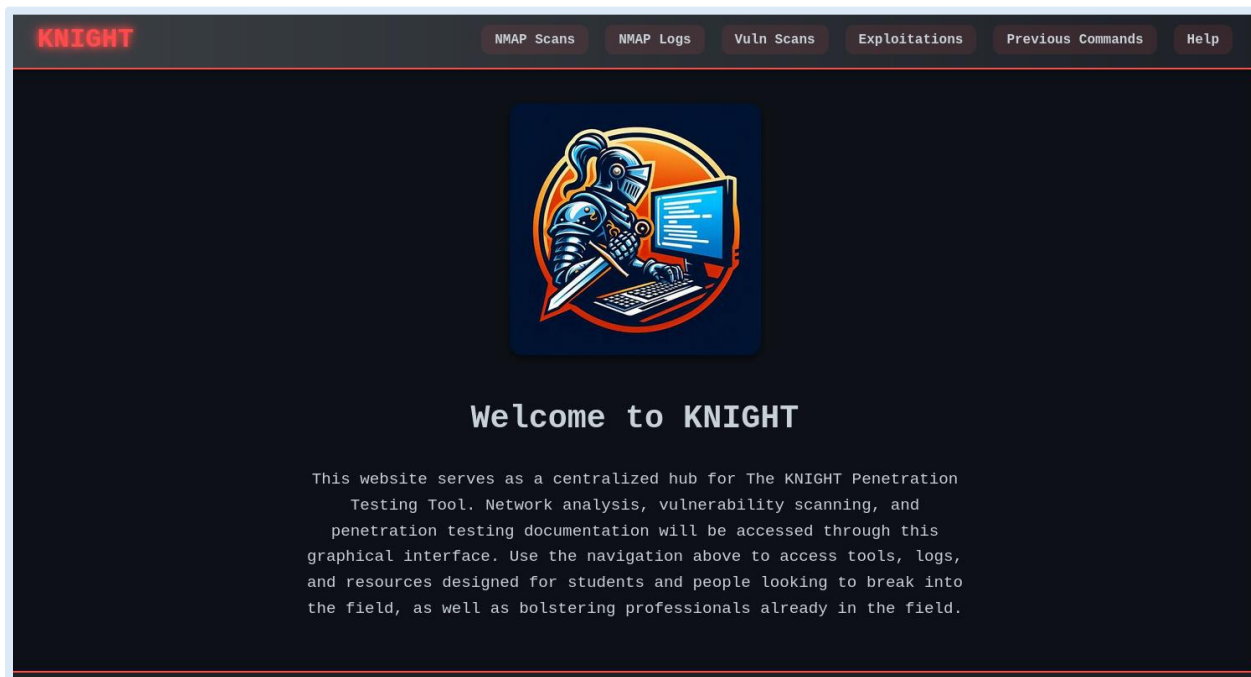


Congratulations, you are remotely connected to the KNIGHT device!

Start KNIGHT UI



While on the desktop find the StartUI.sh file and double left click it



You can now run scans via the KNIGHT UI

Your First NMAP Scan

The screenshot shows the KNIGHT web interface for configuring an NMAP scan. The top navigation bar includes links for NMAP Scans, NMAP Logs, Vuln Scans, Exploitations, Previous Commands, and Help. The main section is titled "Configure Your NMAP Scan". It contains several input fields: "Quick Scan Options" with a dropdown menu, "Target IP Address" with a text input field, "Port Range" with a "Custom Range" button and a text input field, "Custom Scan Options" with three checkboxes for "Verbose", "OS Detection", and "Service/Version Detection", and "Scan Speed" with a "Default" dropdown menu. A large text area on the right is labeled "Results will appear here". At the bottom left, a status bar indicates "Scan not ready".

Navigate to the NMAP Scans tab

This close-up shows the "Quick Scan Options" section, which includes a dropdown menu with the text "Select a quick scan option".

If desired, select a quick scan option

This close-up shows the "Target IP Address" section, which includes a text input field containing the value "scanme.nmap.org".

Select the IP address that you would like to scan. A good example is scanme.nmap.org. You may also choose a range of IP addresses by adding a dash and then the final IP address. For example, 192.168.2.1-192.168.2.252.

This close-up shows the "Port Range" section, which includes a "Custom Range" button and a text input field containing the value "1-100".

Click Custom Range and enter the port range that you would like to scan

Custom Scan Options

Verbose

OS Detection

Service/Version Detection

Select your desired Custom Scan Options

Scan Speed

Default ▾

Select the Scan Speed to change it from default if desired

```
nmap -O -sV -p 1-100 scanme.nmap.org
```

Run Scan

Scan ready to run

Click Run Scan

Running scan...

Scan completed!

The scan is now complete


```

nmap -O -sV -p 1-100 scanme.nmap.org
-----
Host: 45.33.32.156 (scanme.nmap.org)
State: up
Protocol: tcp
Port    State      Service          Version
22      open       ssh              OpenSSH
6.6.1p1 Ubuntu 2ubuntu2.13
25      filtered  smtp
80      open       http             Apache httpd
2.4.7

Host OS Guess          Accuracy
Linux 4.19 - 5.15      98%
Linux 2.6.32            95%
Linux 2.6.32 or 3.10   95%
Linux 4.0 - 4.4         95%
IPFire 2.27 (Linux 5.15 - 6.1) 94%
Linux 4.15              94%
Linux 5.4               94%
Linux 2.6.32 - 2.6.35   93%
Linux 2.6.32 - 2.6.39   93%
Linux 5.0 - 5.14        91%

```

You completed an NMAP scan of the IP address!

Your First Vulnerability Scan

KNIGHT NMAP Scans Vuln Scans Scan Logs Help

Configure Your Vulnerability Scan

Target IP Address
Enter IP address here

Port Range
Custom Range
Enter port range (e.g., 1-1000)

Run Scan
Scan not ready

Results will appear here

Navigate to the Vuln Scans tab

Target IP Address
scanme.nmap.org

Select the IP address that you would like to scan. A good example is scanme.nmap.org. You may also choose a range of IP addresses by adding a dash and then the final IP address. For example, 192.168.2.1-192.168.2.252.

Port Range
Custom Range
1-100

Click

Custom Range and enter the port range that you would like to scan

nmap --script=vuln-scan scanme.nmap.org

Run Scan

Scan ready to run

Click Run Scan

Running scan...

Scan completed!

The scan is now complete

```
-----
Host: 45.33.32.156 (scanme.nmap.org)
State: up
Port: 22
Port: 25
Port: 80
Vulnerability:
Spidering limited to: maxdepth=3; maxpagecount=20; withinhost=scanme.nmap.org
Found the following possible CSRF vulnerabilities:

    Path: http://scanme.nmap.org:80/
    Form id: nst-head-search
    Form action: /search/

    Path: http://scanme.nmap.org:80/
    Form id: nst-foot-search
    Form action: /search/

Vulnerability:
/images/: Potentially interesting directory w/ listing on 'apache/2.4.7 (ubuntu)'

Vulnerability: Couldn't find any stored XSS vulnerabilities.
Vulnerability: Couldn't find any DOM based XSS.
Vulnerability:
VULNERABLE:
Slowloris DOS attack
State: LIKELY VULNERABLE
IDs: CVE:CVE-2007-6750
    Slowloris tries to keep many connections to the target web server open and hold
    them open as long as possible. It accomplishes this by opening connections to
    the target web server and sending a partial request. By doing so, it starves
    the http server's resources causing Denial Of Service.

Disclosure date: 2009-09-17
References:
    https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2007-6750
    http://ha.ckers.org/slowloris/

END
```

You completed a vulnerability scan of the IP address!

Looking at Previous Scans

KNIGHT NMAP Scans Vuln Scans Scan Logs Help

SCAN LOGS

Type	Date
NMAP	2025-03-21_14-13-18.txt
NMAP	2025-03-21_12-24-41.txt
NMAP	2025-03-21_14-12-07.txt
NMAP	2025-03-21_14-12-43.txt
NMAP	2025-03-22_00-24-04.txt
NMAP	2025-03-21_11-21-57.txt
VULN	2025-03-21_13-29-03.txt
VULN	2025-03-21_14-14-44.txt
VULN	2025-03-21_14-16-02.txt
VULN	2025-03-21_14-14-50.txt
VULN	2025-03-25_14-46-47.txt
VULN	2025-03-22_00-24-59.txt

Results will appear here

Navigate to the Scan Logs tab

VULN 2025-03-25_14-46-47.txt

Click on a previous scan. They are titled by the date and time they are completed.

Type	Date
NMAP	2025-03-21_14-13-18.txt
NMAP	2025-03-21_12-24-41.txt
NMAP	2025-03-21_14-12-07.txt
NMAP	2025-03-21_14-12-43.txt
NMAP	2025-03-22_00-24-04.txt
NMAP	2025-03-21_11-21-57.txt
VULN	2025-03-21_13-29-03.txt
VULN	2025-03-21_14-14-44.txt
VULN	2025-03-21_14-16-02.txt
VULN	2025-03-21_14-14-50.txt
VULN	2025-03-25_14-46-47.txt
VULN	2025-03-22_00-24-59.txt

```

State: up
Port: 22
Port: 25
Port: 80
Vulnerability:
Spidering limited to: maxdepth=3; maxpagecount=20; withinhost=scanme.nmap.org
Found the following possible CSRF vulnerabilities:

  Path: http://scanme.nmap.org:80/
  Form id: nst-head-search
  Form action: /search/

  Path: http://scanme.nmap.org:80/
  Form id: nst-foot-search
  Form action: /search/

Vulnerability:
/images/: Potentially interesting directory w/ listing on 'apache/2.4.7 (ubuntu)'

Vulnerability: Couldn't find any stored XSS vulnerabilities.
Vulnerability: Couldn't find any DOM based XSS.
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VULNERABLE:
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State: LIKELY VULNERABLE
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Slowloris tries to keep many connections to the target web server open and hold
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the target web server and sending a partial request. By doing so, it starves
the http server's resources causing Denial Of Service.

Disclosure date: 2009-09-17
  
```

You will notice that the window on the right side of the screen populated to the same output as the scan output.