**Ping Facebook Using Windows Terminal**



**Introduction**

****

Pinging is a simple and effective way to test network connectivity and measure the response time between your computer and a target host. In this challenge, you'll learn how to use the Windows Terminal to ping Facebook and understand the basics of network diagnostics.

**Tools and Requirements**

To participate in this challenge, you'll need the following:

- A computer running Windows

- Access to the Windows Terminal (Command Prompt or PowerShell)

- An active internet connection

No additional tools are required.

**Link**

There are no external files or links required for this challenge. You only need access to your Windows Terminal.

**Process to Perform**

Step 1: Open the Windows Terminal

1. Open Command Prompt:

- Press `Win + R` to open the Run dialog box.

- Type `cmd` and press Enter.

Step 2: Ping Facebook

1. Ping Facebook using Command Prompt:

- In the Command Prompt window, type the following command:

**ping Facebook.com**

- Press Enter.

Step 3: Analyse the Output

- The terminal will display the results of the ping command, showing you the time it takes for packets to travel from your computer to Facebook's server and back.

- Key information includes:

- Packets Sent: Number of packets sent to the target.

- Packets Received: Number of packets received from the target.

- Packets Lost: Number of packets lost during the transmission.

- Round-Trip Time (RTT): Time it takes for a packet to go to the target and come back. This is usually displayed in milliseconds (ms).

**Let's Begin the Challenge**

Objective

Your goal is to successfully ping Facebook's server and analyse the response times.

Steps

1. Open the Windows Terminal (Command Prompt or PowerShell).

2. Ping Facebook's server by typing `ping Facebook.com` in Command Prompt or `Test-Connection Facebook.com` in PowerShell.

3. Analyse the output and note the round-trip times.

Example Output

Here is an example of what you might see when pinging Facebook:

Command Prompt:

Pinging Facebook.com [172.217.164.110] with 32 bytes of data:

Reply from 157.240.235.35: bytes=32 time=20ms TTL=54

Reply from 157.240.235.35: bytes=32 time=18ms TTL=54

Reply from 157.240.235.35: bytes=32 time=19ms TTL=54

Reply from 157.240.235.35: bytes=32 time=20ms TTL=54

Ping statistics for 172.217.164.110:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 18ms, Maximum = 20ms, Average = 19ms

**Question**

What is the IP of Facebook.com?

Answer: 157.240.235.35

How many packets were lost when pinging Facebook.com?

Answer: 0 % Loss.

**Hint**





