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Cybersecurity Project – Ping LAB

**Overview**

* In this lab, I will be using the ping command to test the basic network connectivity and performance between my computer and another website
* I will be using a virtual machine to an install Windows 11 as the operating system.

**Ping Lab**

* First thing I did was install VMware and then I installed Windows 11 as my operating system.

**A screenshot of a computer

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* Next step I located Windows PowerShell which is a command line shell to execute a following command to ping while using the hostname [www.example.com](http://www.example.com).
* (ping -n 5 -l 1500 [www.example.com](http://www.example.com))

1. Ping - is the base command used to test connectivity
2. -n 5 – means to send 5 ping requests rather than your standard 4
3. -1 1500 – Sets the packet size to 1500 bytes
4. [www.example.com](http://www.example.com) – is the domain of the intended target you are pinging

A computer screen shot of a computer

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* When you do a ping command your looking to see if the device or website is reachable.
* Ping shows how fast packets travel from your system to your target and back
* Ping also shows packet loss

A computer screen shot of a computer

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* Due to me receiving a response I know the hostname is alive and can respond.
* Based on the output it took 2 milliseconds.
* 5 packets were sent and 5 were received none of the packets were lost.