Module 0: Formatting Storage Media

Pre-requisite Knowledge and Skills:

- 1. Understand the basic of Computer Operations
- 2. Understand that whenever you perform disk/thumb drive/media formatting, all **data** on your disk/thumb drive/media will be **lost (WARNING)**.

Learning Objectives

1. Be familiar to storage media formatting

Recommended Running Environment/Tools:

1. Windows OS

Material:

1. A Thumb Drive

Video Lecture:

1. N/A

Lab Assessment:

1. N/A

Acknowledgement:

Lab Instructions:

- 1. Plug in the thumb drive to user's computer.
- 2. Navigate to the thumb drive by Run FTK image



3. Click on format function, please note the file system "NTFS", which stands for the NEW File System Technology, one type of file systems which support large file size (>4GB). The user can choose the quick format which will make the formatting process faster. **Warning!!!!** Whenever you perform this step, all data on your disk/thumb drive/media will be lost.

Format Forensics-Image (D:)	×		
Capacity:			
961 MB	~		
File system			
NTFS	\sim		
Allocation unit size			
2048 bytes	~		
Volume label			
Forensics-Image			
Format options		Format Forensics-Image (D:)	×
		i format Forensics-innage (D.)	
	=	WARNING: Formatting will erase ALL data on this disk. To format the disk, click OK. To quit, click CANCEL.	•
Start C	lose	OK Cancel	

4. Click on ok to process

Formatting Forensics-Image (D:)	\times		
Capacity:			_
961 MB		Formatting Forensics-Image (D:)	×
File system		iction, please note	
NTFS		r, one type of file's	
Allocation unit size		tep, all data on you	-
2048 bytes		× OK	
Volume label Forensics-Image			
Forensics-Image			
Format options		2	
V Quick Format		Format Forensics-Image (D)	
		WARNING: formatting will eran ALL data on this disk. To format the disk, click OK. To quit, click CAVCEL	
		OK Cancel	
		ess	
Start Ca	ncel	t the small-sized usb drive (note that your C drive usually is the default avigate the list to select the correct drive), and then click on finish	

- 5. Click on ok and then close to complete the formatting process and you now have a clean disk/thumb drive without data. Please note that the formatting process does not actually erase the data you stored in the disk/thumb drive/media, you simply mark those space that store data are free to use.
- 6. You can also specify to format the disk/thumb drive/media into other file systems, such as FAT32, which is a file system that can support file size <4GB.