



Creating a Safe Lab Environment

Length	Nanomodule
Collection	NSA NCCP
Updated	March 9, 2019
Contributors	Josh Stroschein
Academic Levels	Undergraduate
Topics	Malware, Network Security
Link	https://clark.center/details/jstroschein/f7589485-2847-4df1-88f6-7db13952d832

Description

It is vital to have a safe lab environment when performing malware analysis. In this module, you will learn how to create a safe lab environment through the use of virtualization software, networking isolation and safe handling techniques.

Notes

This work was made possible by NSA Grant for the development of cyber security curriculum.

Outcomes

- Demonstrate the correct networking setup to ensure virtual machine (VM) isolation
- Use virtualization to create a safe malware analysis lab environment
- Repeat the advantages and disadvantages of using physical machines versus virtual machines for a malware analysis lab environment
- Define the following terms: airgapped, bridged, host-only, NAT

Files Not Included in Bundle

Download links of files associated with this object but not included in bundle

- [01 - Safe Lab Environment.mp4](#)

Links

External links that are associated with this learning object

- [YouTube - Creating a Safe Lab Environment](#)