# Homework 5: Bash or Powershell Security Auditing / Operations Assignment

Requirements: Ubuntu Linux, Kali Linux, or Windows 10

If you cannot set up a Ubuntu or Kali VM, please work with a team partner who has access to a Ubuntu or Kali VM. Ubuntu, Kali Linux, and VirtualBox are all free to download and install:

Kali Linux:

<https://www.kali.org/get-kali/>

Ubuntu Linux:

<https://ubuntu.com/#download>

Oracle VirtualBox:

<https://www.virtualbox.org/>

# Assignment

Your team will write a custom Bash or Powershell script/tool that can be used as either an information auditing or security automation tool.

* Examples of code projects would be:
  + A script that enumerates file permissions for critical system directories
  + A script that modifies the host security policies to fit with best practices
  + A script that audits a particular security event type
  + A script that audits access privileges for installed third-party software
  + A script that outputs the current security policies for the host.

Be creative as you like with this assignment!

Paste your code below, and screenshots of the outputs produced by the code, and a brief description of what your script/tool does and how it works.