Security, Hardening and Compliance

Monitoring Health Script:

This script is designed to collect various statistical information about the server relating to memory, cpu usage, network traffic, disk usage, and system load average. This information is important to us because it allows us to ensure that the server is in a healthy state. The information can also be used to detect suspicious activity on the server.

The script is located in “/root/class/test/” directory. The script is called “monitor\_health\_script”. To execute the script you may issue the following:

# ./monitor\_health\_script

The contents of the commands will be redirected to a text file in the “/root/class/test/” directory. The filename will be, system\_health\_log

Should you not find the script on your VM it is copied below. Be sure to set the file permissions to “755” using the “chmod” command.

#!/bin/sh

# Monitor CPU statistics

dstat -c 2 6 >> /root/class/test/system\_health\_log

# Monitor memory usage and statistics

dstat --mem-adv 4 6 >> /root/class/test/system\_health\_log

# Monitor open files and inodes

dstat --fs 2 3 >> /root/class/test/system\_health\_log

# Monitor disk activity

dstat -a 2 5 >> /root/class/test/system\_health\_log

# Monitor load average

dstat -l 5 6 >> /root/class/test/system\_health\_log

# Monitor tcp statistics

dstat --tcp 10 5 >> /root/class/test/system\_health\_log

# Monitor network statistics

dstat -n 4 5 >> /root/class/test/system\_health\_log