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#!/bin/sh

#Mike's Health Script
#Cobbled together from pieces of the Web cli kung-fu
#Tested on CENTOS

# Box Name
uname -a > /tmp/mhs.txt
echo "----------">>/tmp/mhs.txt


# Drives full?
echo "Drives" >> /tmp/mhs.txt
df -h >> /tmp/mhs.txt
echo "----------">>/tmp/mhs.txt

# Who's there?
echo "Last Logins" >> /tmp/mhs.txt
last -15 -d -a >> /tmp/mhs.txt
echo "----------">>/tmp/mhs.txt

#Check for Receive/Transmit errors, repeat as necessary for eth0/1/2
#Check link speed, repeat as necessary for eth0/1/2
echo "Network Interface Stats" >> /tmp/mhs.txt
ifconfig eth0 >> /tmp/mhs.txt
ethtool  eth0 >> /tmp/mhs.txt
echo "----------">>/tmp/mhs.txt

# Get the state of the chassis (power supply)
echo "Chassis Status" >> /tmp/mhs.txt
dmidecode -t chassis >>/tmp/mhs.txt

echo "----------">>/tmp/mhs.txt
sensors >> /tmp/mhs.txt
echo "----------">>/tmp/mhs.txt
smartctl -d ata -iH /dev/sda >> /tmp/mhs.txt
smartctl -d ata -iH /dev/sdb >> /tmp/mhs.txt
echo "----------">>/tmp/mhs.txt
dmesg |grep sda >> /tmp/mhs.txt
dmesg |grep sdb >> /tmp/mhs.txt
echo "----------">>/tmp/mhs.txt
hddtemp /dev/sda >> /tmp/mhs.txt
hddtemp /dev/sdb >> /tmp/mhs.txt

echo "----------">>/tmp/mhs.txt

#Make sure Clamscan is up to date and scan /tmp
#echo "Clamscan Status and Scan of /tmp" >> /tmp/mhs.txt
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#clamscan -V >> /tmp/mhs.txt
#clamscan -i /tmp >> /tmp/mhs.txt
avgupdate
avgscan -a /tmp >> /tmp/mhs.txt
echo "----------">>/tmp/mhs.txt

#Find any executables in /tmp
echo "Executables in /tmp" >> /tmp/mhs.txt
find /tmp -perm /+x -type f >> /tmp/mhs.txt
echo "----------">>/tmp/mhs.txt

# Find them Zombies
echo "Zombie Processes" >> /tmp/mhs.txt
ps aux |grep -w Z >> /tmp/mhs.txt
echo "----------">>/tmp/mhs.txt

#Top 10 Processes via %CPU
echo "Top 10 Processes by %CPU" >> /tmp/mhs.txt
ps aux --sort -pcpu |head -10 >> /tmp/mhs.txt
echo "----------">>/tmp/mhs.txt

#Last installed RPMs....
echo "Last RPMs installed" >> /tmp/mhs.txt
rpm -qa --last |head -25>> /tmp/mhs.txt
echo "----------">>/tmp/mhs.txt

# Syslog Fail or Error
echo "Syslog Fail or Error" >> /tmp/mhs.txt
cat /var/log/messages |grep -i -e fail -e error |awk -F ":" '{print $3 $4 $5 $6}'| awk '{$1 =""; print }' |sort -g |uniq
-c |sort -g |tail -20 >> /tmp/mhs.txt

echo "----------">>/tmp/mhs.txt

#Get the Failed Password Attempts
echo "Failed Password Attempts" >> /tmp/mhs.txt
awk '{print substr($0,index($0,$5),132)}' /var/log/secure | grep "Failed" |uniq -c |sort -g >> /tmp/mhs.txt
echo "----------">>/tmp/mhs.txt


#Find out most reject ips trying to give us mail
echo "Most Rejected SMTP" >> /tmp/mhs.txt
grep -i reject /var/log/maillog |awk -F "[" '{print $3}' | awk '{print $1}' |awk -F "]" '{print $1}'  |sort -g |uniq -c
|sort -g | tail -10 >> /tmp/mhs.txt
echo "----------">>/tmp/mhs.txt

# See who fail2ban stopped
echo "Fail2Ban" >> /tmp/mhs.txt
grep Ban /var/log/fail2ban.log |tail -10 >> /tmp/mhs.txt
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echo "---------------------------">>/tmp/mhs.txt

# Get Top Requesters http://www.the-art-of-web.com/system/block-spiders/
echo "Apache:Top 10 Requesters" >> /tmp/mhs.txt
awk '{print $1}' /var/log/httpd/access_log | sort -g | uniq -c | sort -g | tail -10 | awk '{print $2,$2,$1}' |
logresolve | awk '{printf "%6d %s (%s)\n",$3,$1,$2}' >> /tmp/mhs.txt
echo "---------------------------">>/tmp/mhs.txt


# Get top 404 errors
echo "Apache:Top 404 Errors" >> /tmp/mhs.txt
awk '($9 ~ /404/)' /var/log/httpd/access_log | awk '{print $9,$7}' | sort |uniq -c >> /tmp/mhs.txt
echo "---------------------------">>/tmp/mhs.txt

echo "Script Errors" >>/tmp/mhs.txt
cat /var/log/httpd/error_log|grep script|grep not |grep -iv stat|awk '{print $8 "  " $16}'|sort |uniq>> /tmp/mhs.txt


cat /tmp/mhs.txt |mail -s mike-health-check velhoon@gmail.com
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