**Run the Script files before getting halt or reboot**

1. **Run the script files before the server is shutting down.**

#pwd

/home/usman

#cat script2.sh

#!/bin/bash

### BEGIN INIT INFO

# Provides: haltusbpower

# Required-Start: $all

# Required-Stop:

# Default-Start: 2 3 4 5

# Default-Stop:

# Short-Description: Halts USB power...

### END INIT INFO

for scp in othervm

do

# ssh mohshari@192.168.56.103 "/home/mohshari/script.sh"

scp -c aes128-ctr -r /home/usman/test mohshari@192.168.56.103:/home/mohshari/

scp -r /home/usman/script2.sh mohshari@192.168.56.103:/home/mohshari/

echo "$scp has been backed up"

done

mkdir /home/mohshari/testingfolder

:wq

#chmod +x script2.sh

[[[[[[ Resource: <https://serverfault.com/questions/945633/run-a-backup-script-at-systemd-shutdown-e-g-copy-logs-to-s3-before-instance-te/947229> ]]]]

[[[[ optional: <https://opensource.com/life/16/11/running-commands-shutdown-linux> }}}

#cd /etc/systemd/system/

#touch script2.service

#vim script2.service

[Unit]

Before=interesting.service

After=network.target

[Service]

Type=oneshot

RemainAfterExit=yes

ExecStop=/home/usman/script2.sh

User=usman

Group=usman

[Install]

WantedBy=multi-user.target

:wq

[[[[[[ note: if the script2.sh kind of any relatable script file is present in /etc/init.d/\*\*\*\*\*\* will be removed-> like example -> the file in /etc/init.d/script2 will be removed, the same file will will have to be copied into /etc/systemd/system/script2

Resource: <https://forum.mattermost.org/t/solved-debian-jessie-installation-howto-error-on-step-8/1724> ]]]]]

#systemctl daemon-reload

#sudo systemctl enable script2.service --now

:-> Done -> now you can halt the server, when the server is shutting down, it will run the script which you have created under /home/usman/script2.sh file

1. Run the script when the server is restarting/rebooting and even the shut-down server is coming back to live/starting

**Dependencies**: ssh (password less authentication is to be enabled for running scp-remote operation commands in script file)

[[[Resource: <https://alvinalexander.com/linux-unix/how-use-scp-without-password-backups-copy> ]]]

#pwd

/home/usman/

# cat script.sh

!/bin/bash

for scp in othervm

do

# the below line is to run the script file which is present in remote server

ssh mohshari@192.168.56.103 "/home/mohshari/script.sh"

#the below line is to run the scp command – to copy the data present in remote server to current server(local server).

scp -c aes128-ctr -r mohshari@192.168.56.103:/home/mohshari/newfolder /home/usman/

echo "$scp has been backed up"

done

mkdir /home/usman/test2

touch /home/usman/test2/file1

touch /home/usman/test2/file2

touch /home/usman/test2/file3

touch /home/usman/test2/file4

sleep 5

#the below line is to copy the created directory files into remote server using scp

scp -r /home/usman/test2 mohshari@192.168.56.103:/home/mohshari/

sleep 5

:wq

#chmod +x /home/usman/script.sh

#sudo cp script.sh /etc/init.d/scriptfile

#sudo ln -s /etc/init.d/scriptfile /etc/rc0.d/K00scriptfile

#sudo ln -s /etc/init.d/scriptfile /etc/rc6.d/K00scriptfile

#vim /etc/init.d/rc.local

#!/bin/bash -e

sh /home/usman/script.sh

exit 0

:wq

--Note: Now by restarting the server the script files get executed only if the normal commands were present inside the script file. But not execute the scp commands .

For this in order to run the scp commands in the script file while the server is rebooting or the sever state is from shut-down to starting -> then follow the below steps

[[[[ Resource: <https://www.techbrown.com/change-grub-boot-order-timeout-ubuntu-16-04/> ]]]]

Before this make sure the root user can login into remote machine without password (ssh-password less authentication)

#vim /etc/default/grub

GRUB\_DEFAULT=0

sh /home/usman/script.sh

GRUB\_TIMEOUT=20

:wq

# grub-mkconfig -o /boot/grub/grub.cfg

# update-grub

#sudo init 6