

TASK :

1) Log rotation across CI tools :

Rotate the file sizes based on MAX FILE SIZE (50 MB).

If application doesn't support the FILE SIZE condition, switch to default setting.

Overall expectation is that the log files should be rotated.

Log Rotation :

Below script will Rotate the log : If it does not support the FILE SIZE condition, it will switch to default setting.

Path : /etc/cron.daily/logrotate

Script:

```
#!/bin/bash

touch /script_logs/sample.log

MaxFileSize=51200 # please specify the file size 50 MB

while true
do
sh sample.sh >> /script_logs/sample.log

#Get size in bytes**
file_size=`du -b /script_logs/sample.log | tr -s '\t' ' ' | cut -d' ' -f1`
if [ $file_size -gt $MaxFileSize ];then
timestamp=`date +%s`
mv /script_logs/sample.log /script_logs/sample.log.$
touch /script_logs/sample.log
fi
done

#####
```

Path: sudo vi /etc/logrotate.conf

```
/var/lib/jenkins/jobs/log/builds/lastSuccessfulBuild *.* {  
missingok  
daily  
size 50m  
create 0644 root utmp  
rotate 1  
prerotate  
    if [ -f /var/run/jenkins.pid ]; then  
        etc/init.d/jenkins restart > /dev/null  
    fi  
endscript  
}
```

Note: modify the rotate value how many days we need to keep log file
