LOG ROTATE

* It is used to rotate the logs.
* By default, logs are stored in single file and if you want a week before logs you have to go through this log file which is quite difficult. And for each and every service logs are stored, which consumes disk space.
* For this, we use logrotate, which rotate the logs based on requirement(day, week, month, year). it is good to have logs as per day in single file rather than in one big file.
* It will compress the generated log file, which reduces memory and rotates them like deleting the old logs, maintaining only new logs .
* To do this, we have to install logrotate. By default, it will create the scripts for some services(http, yum, nginx, samba, ftp etcc..) and all we have to do is configure those scripts to logs rotate.
* To rotate logs, run this cmd **= logrotate -f /etc/logrotate.conf**.
* Logs are created in a new file along with date and tar extension. You can easily find out what day the logs belongs to.
* You can use cron to do this logrotate automatically according to your requirement.
* You can also configure your email to receive mail of old logs. First configure postfix with your mail and add a line **mail yourmail.com** in logrotate script of your service.
* In the script,

**daily**, **weekly**, **yearly** = the logrotate will attempt to rotate the logs on these basics.

**dateext** = the rotated logs will save along with date.

**compress** = logs will be compressed before saving it.

**delaycompress** = postpone compression of log file until next rotation happens.

**ifempty** = rotate the log even if its empty.

**mail** = it will send rotated logs to your mail.

**mailfirst** = it will send you latest rotated log file.

**maillast** = it will send you last rotated log file.

**missingok** = if an log file is missed, go on to next one without issuing an error msg.

**rotate** = you have to specify a number. it will keep log files up to that no of times you specified. it will delete one by one after rotating new log file. it will delete from old to new.

**size**(**MB**, **GB**) = it will not rotate the log until the old log file reaches the size you mentioned.