RHCSA Practice

Objective: *Deploy, configure and maintain systems*

Requirements:

- Install a RHEL 9 virtual machine that meets the following requirements:
  - One server with at 20 GB of storage disk

A. **Schedule task using at and cron**

1. Schedule a task which run every 2:30am and log the date in the /var/log/message file.
2. Schedule a task which runs a script name backup.sh every day to perform a backup of the /etc/hosts file and save that file in /root/backups directory and each backup should have the name prefixed with the daily timestamp.
3. Schedule a task a user beatrice which run every 5, 10, 15, 20, 25 and 30 of each month at midnight and write the text "Sample message" to the file messages.txt.
4. Schedule a task which will notify all users after 3 minutes from now with the messages "The computer will restart in 2 minutes".
5. Schedule a task which will reboot the computer 15 minutes from now.
6. Cancel the schedule task which was scheduled to run after 15 minutes.

B. **Managing services**

1. Install nginx server and configure it to start on boot and running on port 82
2. Check the status of nginx service and ensure the service restarts after 30sec on failure.

C. **Managing time and time synchronization**

1. Configure your server to use the first listed NTP server listed when using chronyc sources.
2. Ensure the NTP service receives time from the NTP server.

D. **Managing software and packages**