**Exercise 3: Linux problem solving**

Please connect with a SSH client to the following machine as mentioned in the intro using you

SSH key you provided to us.

We have an issue with Redis on this machine. It's not starting. Please diagnose and solve the

issue.

Please deliver:

● A short description of your troubleshooting process.

● Tell us what's wrong

● Explain what you did to fix it

We will validate the machine and check if redis is running now.

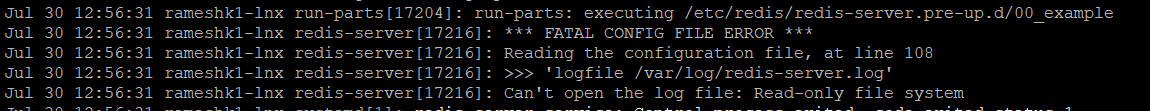
**Solutions:**

**Troubleshooting Steps:**

1. Login into server and check the redis service status using the systemctl command
   * systemctl status redis
   * systemctl status redis –l
   * journalctl -xe
2. Validate the redis.service file [/etc/systemd/system/redis.service] to gather the information about the redis configuration file location and log location to proceed further
3. Check the redis log file at /var/log/redis/redis-server.log
4. Check the redis configurations to make sure the pre, post, lib, log, pid locations are matching with service file.

**Problem:**

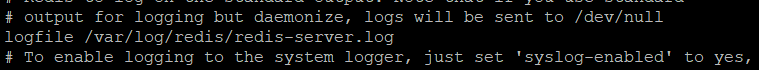
When I check the redis log file, the file is not getting updated after the May 20. I have tried to start the service and it’s failed to start. Then I have checked the systemctl logs using the journalctl –xe command and found the error in configuration file, log location is wrongly mentioned in the configuration file.



Which is causing the issue to start the redis services.

**Fixes:**

I have updated the correct log location in the redis configuration file.[/etc/redis/redis-server.conf]



And now redis is starting without an issue and log file also getting updated.

