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My Script:
#!/bin/bash
log_file="/var/log/syslog" # Replace with the actual log file path
# Initialize variables
wifi connection count=0
ntp timeout count=0
fingerprint error=0
apparmor denied count=0
kerneloops error=0
network_manager_state_changes=()
network manager states=()
services_started=()
services failed=()
services_deactivated=()
device_errors=()
# Process the log file line by line
while IFS= read -r line; do
 # Wi-Fi connection attempts
 if [[ "$line" == *'NetworkManager[770]: <info> [1742791717.9370] device (wlp2s0): Activation:
starting connection 'AM-235"* ]]; then
  wifi connection count=$((wifi connection count + 1))
 fi
 # NTP timeouts
 if [[ "$line" == *'systemd-timesyncd[760]: Timed out waiting for reply from'* ]]; then
  ntp_timeout_count=$((ntp_timeout_count + 1))
 fi
 # Fingerprint errors
 if [[ "$line" == *'gnome-shell[1153]: JS ERROR: Failed to initialize fprintd service:
Gio.IOErrorEnum: GDBus.Error:net.reactivated.Fprint.Error.NoSuchDevice: No devices
available'* ]]; then
  fingerprint error=1
 fi
  #Apparmor denials
 if [[ "$line" == *'apparmor="DENIED""* ]]; then
  apparmor denied count=$((apparmor denied count + 1))
 fi
 # kerneloops errors
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if [[ "$line" == *'kerneloops.service: Found left-over process'* ]]; then
  kerneloops_error=1
 fi
 # NetworkManager state changes
 if [[ "$line" == *'NetworkManager[770]: <info> [1742791718.'* ]]; then
   if [[ "$line" == *'state change:'* ]]; then
      network_manager_state_changes+=("$line")
      state=$(echo "$line" | grep -o "state change: [a-z-]*" | cut -d ':' -f 2 | xargs)
      network manager states+=("$state")
   fi
 fi
 # Services starting
 if [[ "$line" == *'systemd[1]: Starting '* ]]; then
  service=$(echo "$line" | grep -o "Starting [a-zA-Z0-9.-]*" | cut -d ' ' -f 2)
  services_started+=("$service")
 fi
 # Services failing
 if [[ "$line" == *'Activated service '*failed* ]]; then
  service=$(echo "$line" | grep -o "Activated service '[a-zA-Z0-9.-]*' failed" | cut -d """ -f 2)
  services_failed+=("$service")
 fi
 # Services deactivating
 if [[ "$line" == *'Deactivated successfully.'* ]]; then
  service=$(echo "$line" | grep -o "[a-zA-Z0-9.-]*.service: Deactivated successfully." | cut -d ':' -f
1)
  services_deactivated+=("$service")
 # Device errors
 if [[ "$line" == *'not supported by any plugin'* ]]; then
  device=$(echo "$line" | grep -o "'/sys/devices/[^']*"" | cut -d """ -f 2)
  device_errors+=("$device")
done < "$log_file"
# Output usage data
echo "Log File Analysis:"
echo "-----"
echo "Wi-Fi Connection Attempts: $wifi connection count"
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echo "NTP Timeout Count: $ntp_timeout_count"
if [[ "$fingerprint_error" -eq 1 ]]; then
 echo "Fingerprint Device Error: Yes"
else
 echo "Fingerprint Device Error: No"
echo "AppArmor Denied Count: $apparmor_denied_count"
if [[ "$kerneloops_error" -eq 1 ]]; then
 echo "Kerneloops Error: Yes"
else
 echo "Kerneloops Error: No"
fi
echo ""
echo "NetworkManager State Changes:"
for state in "${network_manager_states[@]}"; do
 echo " - $state"
done
echo ""
echo "Services Started:"
for service in "${services_started[@]}"; do
 echo " - $service"
done
echo ""
echo "Services Failed to Start:"
for service in "${services_failed[@]}"; do
 echo " - $service"
done
echo ""
echo "Services Deactivated:"
for service in "${services_deactivated[@]}"; do
 echo " - $service"
done
echo ""
echo "Device Errors:"
for device in "${device errors[@]}"; do
 echo " - $device"
done
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OUTPUT:



