Server shutdown/reboot with "Power key pressed" messages

Solution Verified - Updated July 30 2021 at 5:40 PM -

[English |https://access.redhat.com/solutions/2349931]

Environment

Red Hat Enterprise Linux (RHEL) 7

Issue

- Server shut down automatically
- Server rebooted abruptly
- The /var/log/messages logs show Power key pressed:
- Jan 30 00:18:06 localhost systemd-logind: Power key pressed.
- Jan 30 00:18:06 localhost systemd-logind: Power key pressed.
- Jan 30 00:18:06 localhost systemd-logind: Powering Off...
- Jan 30 00:18:06 localhost systemd-logind: Powering Off...
- Jan 30 00:18:06 localhost systemd-logind: System is powering down.
- Jan 30 00:18:06 localhost systemd-logind: System is powering down.

Resolution

- Check if the system has been deliberately powered off.
- Contact the hardware/hypervisor to check the administration console for shutdown, errors or related logs.

Root Cause

A similar issue has occurred and it was found that the power chord and power cables had problems. This conclusion came after the hardware vendor thoroughly checked the hardware and ran offline hardware complete diagnostics of the system.

This happens when someone deliberately chooses to power off the server physically. This could also happen in a clustered environment where the server is being fenced by another node.

Diagnostic Steps

- Hardware diagnostics (online & offline) from the hardware vendor resulted in hardware problems.