Troubleshoot Failure to Boot OS After Motherboard Replacement or BIOS Upgrade in UCS

Contents

Introduction

This document describes a configuration example in order to restore Unified Extensible Firmware Interface (UEFI) boot table after Unified Computing System (UCS) motherboard replacement or BIOS upgrade that lead to an operating system boot failure.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- UCS BIOS
- UCS Boot Configuration
- UEFI

Components Used

The information in this document is based on these software and hardware versions:

- Cisco Integrated Management Controller (CIMC) 4.x

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Background Information

Motherboard was replaced or BIOS was upgraded and so the Operating System (OS) failed to

boot possibly and displays an error message if previous boot mode, legacy or UEFI boot was changed after replacement or bios upgrade.

Message displayed might be "UEFI Interactive Shell v2.0 ... Error. No mapping found".

Problem

After UCS motherboard replacement or BIOS update, OS fails to boot.

The reason for the failure to boot the previously installed OS is due to the replacement motherboard can have different UEFI Boot Mode set than motherboard that was replaced, or BIOS upgrade caused this setting to revert or change to default.

Solution

Ensure that the boot mode matches settings that existed previous to motherboard replacement or BIOS upgrade.

For CIMC 4.x:

Step 1. Connect to CIMC ip through broswer.

Step 2. Select **Menu** button that is three horizontal lines.

Step 3. Select **Compute.**

Step 4. Select **Configure Boot Order**.

Step 5. Select **UEFI** or **Legacy** from the drop down menu **Configured Boot Mode** in order to match the previous setting.

Step 6. Select **Save Changes**.

Step 7. Reboot the server to have your configuration boot mode settings to take place.

Related Information

- [Cisco UCS C-Series Integrated Management Controller GUI Configuration Guide, Release 4.0 Chapter: Managing the Server](#)
- **[Host Fails to Boot After You Install ESXi in UEFI Mode](#)**
- **[Technical Support & Documentation - Cisco Systems](#)**