

Dell PowerEdge R630 Server BIOS Configuration for CEE

Cloud Execution Environment

INSTALLATION INSTRUCTIONS

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1 Introduction

The procedure described in this instruction is part of a complex procedure, described in *CEE Installation*. Only perform the steps in this document if it is referred from another instruction or a work order is received.

1.1 Scope

This document describes how the BIOS settings for a newly installed Dell PowerEdge R630 server can be configured in the Cloud Execution Environment (CEE).

1.2 Prerequisites

This section provides information on the documents, tools, and conditions that apply to the procedure.

1.2.1 Documents

Before starting this procedure, ensure that the following documents have been read and understood:

- *Personal Health and Safety Information*
- *System Safety Information*

1.2.2 Tools

The following tools are required:

- ☐ Screen with VGA port and cable
- ☐ USB Keyboard
- ☐ USB Mouse, optional

Use the sockets shown in Figure 1:

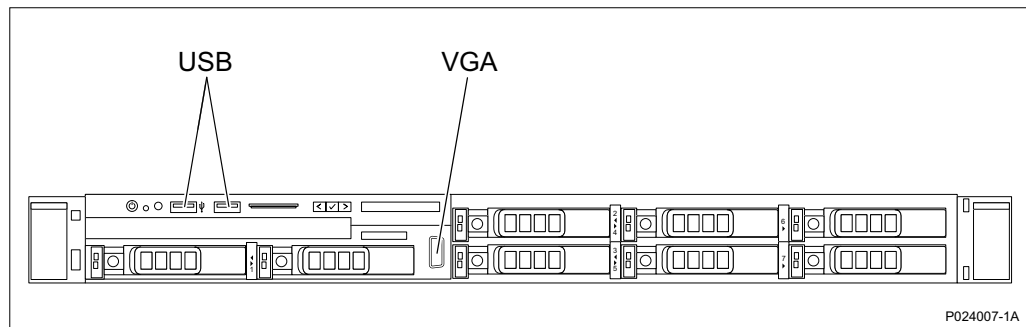


Figure 1 Front Sockets for USB and VGA Connection

1.2.3 Conditions

Before starting this procedure, ensure that the following conditions are met:

- A work order for the server configuration is received or the document is referred from another procedure.
- All keys to the site are available and site access is granted.

2 Procedure

This procedure describes how to configure the BIOS settings in a Dell PowerEdge R630 server.

The procedure contains the following activities:

1. Setting the boot mode, see Section 2.1 on page 2.
2. Setting system time and date, see Section 2.2 on page 3.

Start with Section 2.1 on page 2.

2.1 Boot Mode

Do the following:

1. Connect the screen, keyboard, and optionally, mouse to the server, as shown in Figure 1.
2. Reboot the connected server by using **<Ctrl>+<Alt>+**.



Note: The reboot process takes about 5 minutes to complete.

3. When the Dell logo and the text `F2=System Setup` is shown, press **F2**.

`System Setup` is shown.

4. Select `System BIOS`.
5. Select `Boot Settings`.
6. Set the `Boot Mode` as needed. By default, it is set to `BIOS`. If the operating system supports Unified Extensible Firmware Interface (UEFI), you can set this option as such.

Attention!

Make sure the boot mode setting here matches what is used during the installation of the operating system. A mismatch can prevent the system from booting.

Note: The recommended hypervisor OS is Ubuntu 14.04.

7. Continue with Section 2.2 on page 3.

2.2 System Time and System Date

This section is only applicable at CEE installation. System Time and System Date values are synchronized with the NTP servers during normal operation.

Do not perform the steps in this section in case of server replacement or CEE region expansion.

1. Navigate one level up within `System BIOS`, and select `Miscellaneous Settings`.
2. Navigate to `System Time`, and use the **Space**, **+**, and **-** buttons to change the displayed value, and set the current local time.
3. Repeat the previous step for `System Date`.