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Exam : **D-PEXE-IN-A-00**

Title : Dell PowerEdge XE9680 and XE8640 Install

Version : DEMO

1.A deployment engineer goes on-site to install a mix of XE systems in a customer testing and development data center. The customer engineering group is stress testing the PowerEdge XE servers to determine the best XE server for their software applications. As one of the first steps, they must ensure the correct server rails are on-site.
Which three options are a correct matching of rail type with server type?
A. XE9640 and B27
B. XE9680 and B25
C. XE9640 and B25
D. XE8640 and B27
E. XE9680 and B28
Answer: BCE
Explanation:
To ensure the correct server rails are on-site for the installation of PowerEdge XE servers, it's essential to match the server model with the appropriate rail type.
Based on the Dell Enterprise Systems Rail Sizing and Rack Compatibility Matrix, the following matches are correct:
XE9680 and B25: The XE9680 server is compatible with the B25 rail type, which is designed to support the size and weight of this particular server model1.
XE9640 and B25: Similarly, the XE9640 server can also utilize the B25 rail type for secure mounting in a rack1.
XE9680 and B28: Additionally, the XE9680 server is compatible with the B28 rail type, providing an alternative mounting solution1.
It's important to note that the rail types are specific to the server models and are designed to ensure a secure and stable installation in the customer's rack. The Dell Rail Sizing and Rack Compatibility Matrix provides detailed information on the compatibility of different server models with their respective rail types. This document should be consulted to verify the correct rail type for each server model before proceeding with the installation1.

2.A deployment engineer is installing an XE9680 server. The network connectivity has 24 optical cables that route to switches in the data center. The administrator questions the use of a cable management arm (CMA).
What are two items to consider when installing a CMA?
A. The CMA can be installed to open on either the left or right side of the server.
B. Do not route optical cables through the CMA.
C. A CMA can only be installed with a strain relief bar.
D. The XE9680 does not support a CMA.
Answer: AB
Explanation:
When installing a Cable Management Arm (CMA) on the Dell PowerEdge XE9680 server, there are specific considerations to ensure proper installation and operation: CMA Orientation:
Installation Flexibility: The CMA for the XE9680 can be installed to open on either the left or right side of the server. This flexibility allows for better management of space within the rack and ensures that the CMA can accommodate the specific layout of your data center (Dell) (Dell). Cable Routing:
Avoid Routing Optical Cables Through the CMA: Optical cables are typically more sensitive and less

flexible compared to other types of cables. Routing them through the CMA can lead to bending, twisting, or other stresses that may damage the cables and affect network performance. Therefore, it is advised not to route optical cables through the CMA(Dell)(Dell). Installation Process:
Align and Install the CMA: Attach the CMA to the designated mounting points on the server rails. Ensure that it is securely fastened and aligned properly to avoid any issues when extending or retracting the server from the rack.
Organize Cables: Use the provided cable management features to route and secure other cables, ensuring they are not pinched or overly stressed. Avoid including optical cables in the CMA to prevent potential damage.
Post-Installation Checks:
Verify Movement: Ensure that the server can be smoothly extended and retracted with the CMA in place without any cables getting caught or strained.
Secure Connections: Double-check all cable connections to ensure they are secure and functioning correctly.
These steps are crucial for maintaining the integrity and performance of the server and the connected network infrastructure. Proper cable management not only ensures safety but also enhances the reliability and maintainability of the data center setup.
Reference: Dell PowerEdge XE9680 Installation and Service Manual (Dell).
Dell XE9680 Rack Rail with Cable Management Arm Information (Dell)(Dell).

3.What must be considered regarding stab-in rails with installing a PowerEdge XE server?
A. Enable a vertical installation of the server with the use of J-slots.
B. Do not support extending the server from the rack.
C. Only used in 4-post, square hole racks.
D. Inner rail must be installed on the server before installing in rack.
Answer: C
Explanation:
Understanding Stab-in Rails:
Stab-in rails are designed to simplify the server installation process. These rails enable a quick and straightforward installation of the server into the rack.
Compatibility and Usage:
Stab-in rails are specifically designed for use in 4-post racks with square holes. This compatibility ensures stability and proper fitting within the rack structure.
Installation Process:
Before initiating the installation, verify that the rack is a 4-post, square hole type.
Position the stab-in rails to align with the square holes on the rack. Typically, stab-in rails have tabs that fit precisely into these square holes.
Mounting the Server:
Once the rails are securely attached to the rack, the server can be mounted. The design of the stab-in rails facilitates a smooth insertion of the server, ensuring it is securely held in place. Ensuring Proper Fit: After the server is mounted, check to ensure that it is level and securely attached. This step is crucial to prevent any movement or displacement that could occur due to vibrations or physical disturbances.
Reference: Dell EMC PowerEdge XE9680 and XE8640 Installation and Service Manual: This manual provides detailed instructions on the use and installation of stab-in rails, including compatibility with

specific rack types.
Dell EMC Technical Specifications Guide: Offers comprehensive specifications and compatibility information for different mounting and installation hardware used with Dell PowerEdge servers.

4.A deployment engineer is connecting the network cables on an XE9680 server. The data center administrator wants to know why the server does not have an OCP card for network connectivity.
How should the engineer respond to the administrator's query?
A. An OCP card is required for the server to achieve POST when powered on.
B. The LOM card acts as an OCP card and supports OCP 3.0.
C. The OCP card is an optional component.
D. The server does not support an OCP card.
Answer: C
Explanation:
Overview of OCP Cards:
Open Compute Project (OCP) cards are network interface cards designed to provide high-speed networking capabilities. They are often used in data center environments to enhance network performance and flexibility.
OCP Card on Dell PowerEdge XE9680:
For the Dell PowerEdge XE9680 server, an OCP card is not a mandatory component. The server can achieve Power-On Self-Test (POST) and function normally without an OCP card.
Optional Component:
The OCP card is considered an optional component for the XE9680 server. This means it can be added based on specific networking needs but is not essential for the server's basic operations. Networking Alternatives:
The XE9680 server is equipped with various other network interface options. For instance, it has integrated network ports (LAN on Motherboard, or LOM) which provide necessary network connectivity out-of-the-box.
Customization and Upgrades:
The optional nature of the OCP card allows data center administrators to customize their servers based on their network performance requirements. If high-speed or specific networking features are needed, the OCP card can be added accordingly.
Communicating with the Administrator:
The deployment engineer should explain to the data center administrator that while the OCP card is not included by default, it can be added as per the data center's specific networking needs. The server's design supports flexibility in network configurations.
Reference: Dell EMC PowerEdge XE9680 Installation and Service Manual: This manual provides detailed information on the components and optional upgrades available for the XE9680 server.
Dell EMC Networking Guide: This guide outlines various networking options and configurations available for Dell PowerEdge servers, including the role and installation of OCP cards.

5.A deployment engineer is installing a PowerEdge XE8640 server in a rack with round holes. They cannot get the outer rail portion to fit flush with the rack frame.
What is the reason the outer rail is not flush with the frame?
A. The rail latch is not engaged.

B. The PowerEdge XE8640 does not support a round-hole rack.
C. A small offset is expected between the rail mounting post and the rack.
D. Weight has not been applied to the rail.
Answer: C
Explanation:
Understanding Rail Types and Compatibility:
Dell PowerEdge servers, including the XE8640, come with rail kits designed for specific types of racks. The rail kits are tailored to fit racks with square holes or threaded holes, depending on the model and configuration.
Compatibility with Round-Hole Racks:
The PowerEdge XE8640 does not support installation in round-hole racks. The rail kits provided with the XE8640 are designed for 4-post racks with square holes or 4-post threaded racks. Attempting to install these rails in a round-hole rack will result in improper fitment and stability issues. Common Installation Issues:
If the outer rail portion does not fit flush with the rack frame, it is often due to a compatibility issue with the rack type. Round-hole racks require specific rail kits that are different from those used for square or threaded hole racks.
Verifying Rack Type:
Before installation, verify the type of rack being used. Ensure that it matches the specifications outlined in the server's installation guide. Using the correct rack type ensures proper fitment and structural integrity.
Alternative Solutions:
If the current rack is a round-hole type, consider using a compatible rack with square or threaded holes for the XE8640. Alternatively, there might be adapters or conversion kits available that allow the use of standard rails in round-hole racks, although these are not typically recommended due to potential stability issues.
Reference and Documentation:
Refer to the Dell EMC PowerEdge XE8640 Installation and Service Manual for detailed information on rail and rack compatibility. This manual provides specifications for supported rack types and instructions for proper installation.
Reference: Dell EMC PowerEdge XE8640 Installation and Service Manual: This document provides comprehensive guidelines on the correct installation procedures and compatible rack types for the XE8640 server.
Dell EMC Technical Specifications Guide: Offers detailed specifications on the rack compatibility and rail options for Dell PowerEdge servers, ensuring proper installation and fitment.