

CompTIA ISS-001

Intel® Server Specialist Certification Exam

Version: 4.0

QUESTION NO: 1

Which of the following documents and tools would a technician use to help determine the correct parts necessary to build an Intel server? (Select TWO).

- A. Quick Start Guide
- B. Configuration Guide
- C. Intel Server Configurator Tool (SCT)
- D. Product Change Notification (PCN)
- E. Technical Product Specification (TPS)

Answer: B,C

Explanation:

QUESTION NO: 2

Below is a step in the server management configuration process. Which of the following is true about this command?

- A. This SYSCFG command, Reset Factory Settings, can be used to erase all BMC management settings. This command can be used to reset the management settings to support reconfiguration of management, without carrying over previous management settings.
- B. This SYSCFG command, Refreshes Sensors, resets the sensor values and forces the BMC to rescan all sensors to update the Sensor Data Records (SDR). This is used when a system error has been resolved, but the status remains critical in the SDR.
- C. This SYSCFG command, Restore File System, is used to restore a backup of the server management settings. This is an efficient method of restoring the BMC settings if they have been lost or deleted.
- D. This DOS command allows a super user to replace the file system within the BMC, reformatting the data area down to a low-level format prior to a system restore.

Answer: A

Explanation:

QUESTION NO: 3

A customer has asked an Intel® Server Specialist to provide them with a 1U, 2-socket server. The customer has concerns about power consumption. Which of the following configurations would offer the MOST energy efficient solution?

- A. Intel® Server System SR1695WB
- B. Intel® Server System SR1630HGP
- C. Intel® Server System SR1600URLX
- D. Intel® Server System SR2625URBRP

Answer: A

Explanation:

QUESTION NO: 4

A customer is designing a security appliance, and has asked an Intel® Server Specialist to supply them with a 1-socket rack mount server with as many Gigabit Ethernet ports as possible. Which of the following configurations would be the MOST appropriate to recommend?

- A. Intel® Server System SR1695GPRX, with Intel® Quad Port Gigabit I/O module, and an Intel® Gigabit ET2 Server Adapter.
- B. Intel® Server System SR1630GP, with an Intel® Quad Port Gigabit I/O module.
- C. Intel® Modular Server System, with additional Gigabit Ethernet mezzanine cards.
- D. Intel® Server System SR1625UR, with Intel® Quad Port Gigabit I/O module, and an Intel® PRO/1000 PT Server Adapter.

Answer: A

Explanation:

QUESTION NO: 5

Why is it important to update the FRU when first building a system?

- A. Updating the FRU enables the server administrator to remotely access the server.
- B. Updating the FRU allows the server to configure the fan speed correctly.
- C. Updating the FRU allows for the relevant part numbers to be programmed into NVRAM.
- D. Updating the FRU makes sure the Management Engine is running the most recent firmware.

Answer: C

Explanation:

QUESTION NO: 6

When updating the HSC firmware, where is the flash chip that the new firmware is written to?

- A. On the backplane
- B. On the power distribution board
- C. On the remote management module
- D. On the mainboard

Answer: A

Explanation:

QUESTION NO: 7

Which of the following items are stored in the SDR's? (Select TWO).

- A. BMC remote access settings
- B. Part number information
- C. BMC Operational Code
- D. Fan speed control settings
- E. Voltage sensor thresholds

Answer: D,E

Explanation:

QUESTION NO: 8

When the server operating system is indicating a generic hardware problem, which of the following is the BEST place to check for more information on what the root cause of the issue could be?

- A. The EFI shell
- B. The system BIOS
- C. The operating system event log
- D. The SEL

Answer: D

Explanation:

QUESTION NO: 9

A customer calls and says that a server has suffered a stop error, and intermittently fails to boot. Which of the following is the preferred FIRST step to take?

- A. Connect to the SEL via the DPC CLI.
- B. Ask the customer to return the server.
- C. Ask the customer to reseal the memory.
- D. Start a remote desktop session to the server.
- E. Connect to the remote management module if present.

Answer: E

Explanation:

QUESTION NO: 10

The Intel® Server Board S5520UR has two different headers through which front panel signals can be routed. Which of the following documents would a server technician use to identify the pin-out of each header?

- A. The Technical Product Specification
- B. The Service Guide
- C. The Quick Start Guide
- D. The Spare Parts and Configuration Guide

Answer: A

Explanation:

QUESTION NO: 11

The Intel® Server Board S5520UR has two different headers through which front panel signals can be routed. Which of the following documents would a technician use to identify the headers used in a particular chassis?

- A. The Quick Start Guide
- B. The Service Guide
- C. The Technical Product Specification
- D. The Spare Parts and Configuration Guide

Answer: B

Explanation:

QUESTION NO: 12

Which of the following chassis are compatible with the Intel® Server Board S5520UR? (Select TWO).

- A. Intel® Server Chassis SR1600
- B. Intel® Server Chassis SR1625
- C. Intel® Server Chassis SR1630
- D. Intel® Server Chassis SR1640
- E. Intel® Server Chassis SR1695

Answer: A,B

Explanation:

QUESTION NO: 13

Which of the following is MOST likely to cause a stop error on a 5520 Chipset based Server Board?

- A. CMOS checksum error
- B. PCI bus error
- C. Single drive failure in a RAID 1 set
- D. Memory ECC single bit error

Answer: B

Explanation:

QUESTION NO: 14

Which of the following RAID levels should an Intel® Server Specialist recommend to a customer who must have the highest reliability available, but only has room for four hard drives?

- A. RAID 1
- B. RAID 5
- C. RAID 6
- D. RAID 10

Answer: C

Explanation:

QUESTION NO: 15

Which of the following RAID levels should an Intel® Server Specialist recommend to a customer who needs the highest write performance, but only has room for four hard drives?

- A. RAID 1
- B. RAID 5
- C. RAID 6
- D. RAID 10

Answer: D

Explanation:

QUESTION NO: 16

An Intel® Server Board is integrated into an Intel® Server Chassis and uses the latest system update package to bring the BIOS and firmware to the most up-to-date versions. After this process, an Intel® Server Specialist finds that the system fans still spin at full speed, even when the system is idle. Which of the following is the MOST likely cause of this?

- A. The memory DIMMs in the system do not have a thermal sensor.
- B. The processor has reached the thermal throttling point.
- C. One of the system fans is connected to the wrong header.
- D. The chassis intrusion switch is malfunctioning.

Answer: C

Explanation:

QUESTION NO: 17

Most Intel servers support memory reliability features like ECC memory, memory scrubbing, mirroring, and sparing. Which of the following features gives the HIGHEST level of memory reliability?

- A. Spare channel mode
- B. Mirrored channel mode
- C. ECC memory
- D. Patrol read/scrubbing

Answer: B

Explanation:

QUESTION NO: 18

On an Intel® Server Board S5520HC, which of the following is the MAXIMUM possible memory speed that can be reached when the system is configured with 12 DIMMs and 2 Intel® Xeon® Processors X5560?

- A. 800 MHz
- B. 1066 MHz
- C. 1333 MHz
- D. 1600 MHz

Answer: B

Explanation:

QUESTION NO: 19

On an Intel® Server Board S5520HC, which of the following is the MAXIMUM possible memory speed that can be reached when the system is configured with 12 DIMMs and 2 Intel® Xeon® Processors X5650?

- A. 800 MHz
- B. 1066 MHz
- C. 1333MHz
- D. 1600 MHz

Answer: C

Explanation:

QUESTION NO: 20

Which of the following items are features of IPMI, implemented on Intel® Server Boards? (Select THREE).

- A. Built-in web server
- B. Monitoring of fan speeds
- C. Increased processor speed

- D. System event log
- E. Remote alerting via PET traps
- F. Remote keyboard ,video, mouse, and media redirection

Answer: B,D,E

Explanation:

QUESTION NO: 21

Which of the following utilities can an Intel® Server Specialist use to configure the BMC remote access settings? (Select THREE).

- A. syscfg.efi
- B. FRUSDR
- C. fwpiaupd.efi
- D. BIOS setup utility
- E. IDA
- F. OFU

Answer: A,D,E

Explanation:

QUESTION NO: 22

A customer calls and explains that after a server had been working for six months, it now seems to have developed a fault. The status LED is amber coloured and the fans are spinning at full speed. The technician does not have remote access to the system. Which of the following utilities would be the BEST to run in order to diagnose the issue?

- A. sysinfo
- B. IDA
- C. OFU
- D. selview

Answer: A

Explanation:

QUESTION NO: 23

Which of the following is a direct benefit of the Intel® AES-NI technology in the Intel® Xeon® 5600 Series Processors?

- A. Provides a secure interface for virtual machines
- B. Allows for automatic energy savings
- C. Increased encryption and decryption performance
- D. Provides an autonomous Ethernet interface

Answer: C

Explanation:

QUESTION NO: 24

A customer has a system based on an Intel® Workstation Board S5520SC, with 2 Intel® Xeon® Processors X5670 and 12x DDR3 ECC RDIMMs populated. The system is reporting memory failures on DIMM A1. The company's Specialist swaps this DIMM with a known working one, and the error remains on DIMM slot A1. Next the Specialist replaces the processor and motherboard, and the error still persists on the same slot. Which of the following is the MOST likely cause of this error?

- A. There is an issue with the operating system.
- B. The power supply is supplying an incorrect voltage on the 1.5V line.
- C. There is a motherboard standoff installed in the wrong position.
- D. The chassis has not been earthed properly.

Answer: C

Explanation:

QUESTION NO: 25

An Intel® Server Specialist has just integrated a system and has now powered it on for the first time. The monitor stays black and the specialist hears three beeps. Which of the following is the MOST likely cause of this?

- A. BMC self test failure
- B. BIOS corruption
- C. Faulty processor
- D. Incompatible memory

Answer: D