

## Intro to z/OS Mainframe Badge Quiz

Which of these provides a common set of methods for performing functions which the operating system is going to utilize?

A: Firmware (correct)

What term is used when the operating system moves data from auxiliary storage to central storage?

D: Paging (correct)

A processor unit (PU) is an un-characterized processor in a mainframe. Which characterized processor executes commands?

D: CP (correct)

In TSO/ISPF, what is the name of a data set which contains multiple members, each of which holds a sub-data set?

B: Partitioned Data Set (correct)

What is the name of software that enables hardware on a mainframe?

A: LIC (Licensed internal code) (correct)

What is the status of the management process state when a process is waiting on the processor to handle the request?

A: Ready (correct)

Architecture is comprised of:

D: Software and Hardware (correct)

What takes source code and compiles it into machine language?

A: Compilers (correct)

What is the best definition of an address space?

A: A map of storage available to applications and users (correct)

What is the minimum number of LPARs in a Sysplex?

A: 1 (correct)

Which z/OS component manages communications between applications in a Parallel Sysplex?

C: Cross-System Coupling Facility (correct)

Which z/OS component is used for managing workload distribution, workload balancing, and distributing resources to competing workloads?

C: Workload Manager (correct)

What's the most accurate definition of a Network Interface Card (NIC)?

B: A NIC is a computer hardware component that connects a computer to a network. (correct)

What does VSAM stand for?

A: Virtual Storage Access Method (correct)

What's the best definition of an LDAP?

A: Defines a standard method to access and update information in a directory. (correct)

What does GDPS stand for?

A: Geographically Dispersed Parallel Sysplex (correct)

Which CNTLUNIT keyword specifies the address or addresses to which the control unit is attached?

B: Link address (correct)

Which channel type provides 3270 sessions to serve as a vehicle for an operating system?

C: OSC (correct)

<http://www.redbooks.ibm.com/redbooks/pdfs/sg248851.pdf>

Which of the following IOCP statements are optional?

A: All of these options (correct)

<https://www.ibm.com/support/pages/sites/default/files/inline-files/SB10-7037-09.pdf>

Which statement defines the LPARs and the logical channel subsystems?

A: Resource (correct)

<https://www.ibm.com/support/pages/sites/default/files/inline-files/SB10-7037-09.pdf>

What is the name of the process that loads the IOCDS in HSA?

A: POR (correct)

During an initial program load, what is the name of the device which contains the operating system?

C: SYSRES (correct)

Where can activation profiles be initiated from?

C: HMC and SE (correct)

Scenario: The mainframe is powered on and all 85 LPARs are IPL'ed.

Which activation profile, when activated, will crash all 85 LPARs along with their operating systems?

A: Reset (correct)

<https://www.ibm.com/support/knowledgecenter/HW11K/com.ibm.hwmca.infocenterse.doc/pfilesres/cpcoperationalcustomizationusingtheactiveiocds.html>

Which position(s) in the Load Parameter contains the information on what messages are to be displayed during IPL time?

D: 7 (correct)

[https://www.ibm.com/support/knowledgecenter/en/SSLTBW\\_2.3.0/com.ibm.zos.v2r3.ieag100/a2field.htm](https://www.ibm.com/support/knowledgecenter/en/SSLTBW_2.3.0/com.ibm.zos.v2r3.ieag100/a2field.htm)

What is the name of the process that loads operating system from the SYSRES device and loads it into main storage?

A: IPL (correct)

Which file or data set is used during an IPL and contains the hardware and software definitions of the system?

A: IODF

What allows data to be decrypted the moment it is needed?

A: Pervasive Encryption (correct)

What is another name for asymmetric encryption?

A: Public key encryption (correct)

What is the name of the high performance cryptographic engine which exists for every IBM Z processor?

A: CPACF (correct)

Applications running on an operating system through a simplified series of interfaces is referred to as Application Programming Interface (API)