advanced management module (AMM). A hardware unit that provides system-management functions for all the blade servers in a BladeCenter chassis.

alternate HMC. A System z Hardware Management Console (HMC) that is paired with the primary HMC to provide redundancy.

application. A software device that provides a narrow range of functions and generally runs on a hardware platform.

application environment. The environment that includes the software and the server or network infrastructure that supports it.

ARM-instrumented application. An application in which application response measurement (ARM) calls are added to the source code to enable the performance of the application to be monitored by management systems. ARM is an Open Group standard.

Automate suite (Automate). The second of two suites of functionality associated with the IBM zEnterprise Unified Resource Manager (zManager). The Automate suite includes goal-oriented monitoring and management of resources and energy management.

blade. A hardware unit that provides application-specific services and components. The consistent size and shape (or form factor) of each blade allows it to fit in a BladeCenter chassis.

BladeCenter chassis. A modular chassis that can contain multiple blades, allowing the individual blades to share resources such as the management, switch, power, and I/O modules.

central processor complex (CPC). A physical collection of hardware that consists of main storage, one or more central processors, memory, and I/O adapters. In the Enterprise environment, the CPC consists of a System z Enterprise mainframe and an attached IBM zEnterprise BladeCenter Extension (zBX).

classification rule. A rule used by a System z workload manager firmware and software to assign a service class.

discretionary goal. A service class performance goal assigned to low priority work that does not have any specific performance goal. Work is run when system resources are available.

ensemble. A collection of one or more Enterprise nodes (including any attached zBXs) that are managed as a single logical virtualized system by the zManager, through the use of a Hardware Management Console (HMC). The zManager is intended to be used to manage a System z ensemble.

ensemble member. A zEnterprise node that has been added to a given ensemble.

firmware. Licensed Internal Code (LIC) that is shipped with hardware. Firmware is considered an integral part of the system and is loaded and runs at power on. Firmware is not open for customer configuration and is expected to run without any customer setup.

guest platform management provider (GPMP). An optional suite of applications that is installed in specific z/OS, Linux, and AIX operating systems to support platform management functions. For example, the guest platform management provider collects and aggregates performance data for virtual servers and workloads.

Hardware Management Console (HMC). A user interface through which data center personnel configure, control, monitor, and manage System z hardware and software resources. The HMC communicates with each central processor complex (CPC) through the Support Element (SE). On an IBM zEnterprise 196 (z196), the zManager on the HMC/SEs, personnel can also create and manage an ensemble.

hypervisor. A software or hardware component that controls the operating systems that run on the same hardware device. A hypervisor can run directly on the hardware, can run in an operating system, or can be imbedded in platform firmware. Examples of hypervisors include PR/SM, z/VMM, and PowerVM Enterprise Edition.

IBM System z Application Assist Processor (zAAP). A specialized processor that provides a Java execution environment, which enables Java-based web applications to be integrated with core z/OS business applications and backend databases.

IBM System z Integrated Information Processor (zIIP). A specialized processor that provides computing capacity for selected data and transaction processing workloads, and for selectednetwork encryption workloads.

IBM zEnterprise 196 (z196). The newest generation of zSeries z/OS family of servers built on a new processor chip, with enhanced memory function and capacity, security, and on demand enhancements to support existing mainframe workloads and large scale consolidation.

IBM zEnterprise BladeCenter Extension (zBX). A heterogeneous hardware infrastructure that consists of a BladeCenter chassis attached to a central processor complex (CPC) and an attached IBM zEnterprise BladeCenter Extension (zBX).

IBM zEnterprise System (zEnterprise). A heterogeneous hardware infrastructure that can consist of an IBM zEnterprise 196 (z196) and an attached IBM zEnterprise BladeCenter Extension (zBX).

IBM zManager. An optimizer that processes certain types of data warehouse queries for DB2 for z/OS.

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