

## E.4.2 Summary

DPM provides simplified IBM Z hardware and virtual infrastructure management, including integrated dynamic I/O management for users that intend to run Linux on Z and the KVM hypervisor in a partition and for z/VM.

The new mode, DPM, provides partition lifecycle and dynamic I/O management capabilities by using the HMC for the following tasks:

- ▶ Create and provision: Creating partitions, assigning processors and memory, configuring I/O Adapters (Network, FCP Storage, Crypto, and Accelerators).
- ▶ Manage the environment: Modification of system resources without disrupting running workloads.
- ▶ Monitor and troubleshoot the environment: Source identification of system failures, conditions, states, or events that might lead to workload degradation.

A CPC can be in DPM mode or standard PR/SM mode. The mode is enabled before the CPC power-on reset.

DPM mode requires two OSA-Express 1000BASE-T Ethernet features for primary and backup connectivity (OSA-Express 1000BASE-T Ethernet), along with associated cabling (hardware for DPM FC0016).