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IBM z13 Technical Workshop  
Information

**Length:** 1.0 Day  
**\_\_\_Ref:** WRZ01G-X  
**Delivery method:** Classroom  
**Price:** EUR

Overview

Please refer to the Topics section for description information.

Public

The basic workshop will be open to clients, business partners (BPs), and IBMers. IT professionals, including technical project managers, architects, systems programmers/analysts, systems designers and application developers.

Prerequisites

You should have previous knowledge about System z.

Objective

The course participant will learn how to exploit the IBM z13 hardware and software infrastructure to effectively run modern mainframe workloads/solutions. The 1-day workshop will provide a detailed description of the new features and functions of the z13 and the IBM z Systems BladeCenter Extension (zBX) Model 004, thereby enabling clients, BPs, and IBMers to plan, implement, and operate the system environment in an expedited manner.

Topics

- Overview of the z13
- Product introduction
- Benefits
- Positioning
- z13 technical details:
  - CPC details
  - Frame + processor drawer + nodes
  - Processor Unit design
  - Memory

- Capacity and Performance
  - SMT and SIMD overview
  - PCIe drawer / PCI Gen3
  - /O features (PCIe features) Flash
  - Native PCI (zEDC and RoCE)
  - RAS / zAware enhancements
- zBX Model 004:
  - Upgrades from previous models
  - Rack
  - BladeCenter
  - Blades (DataPower, System x, and POWER)
  - Workloads / Solutions
- Software
- Operating Systems support
- z13 environmentals
- Power and cooling
- Energy monitoring
- z13 connectivity
  - Storage
  - Network
  - Coupling
- HMC/SE enhancements
- HMC / SE Backups scenarios
- HMC Data Replication
- RSF Changes
- STP enhancements
- Planning and implementation considerations
  - Installation and migration
  - Physical Planning
  - MES scenarios
- Statements of Direction