



IBM Advanced Technical Skills zManager Workshop

IBM zEnterprise
z196 + zBX + Unified Resource Manager

The workshop is part of the Advanced Technical Skills (ATS) "Wildfire Workshop" program. Wildfire workshops are designed to generate technical awareness and interest in various IBM technical offerings.

Abstract

This workshop is designed to familiarize participants with the zEnterprise Unified Resource Manager (zManager) and its management of the z196 and zBX environments.

It accomplishes this with a series of [presentations](#) and [hands-on labs](#) focused on use of the Hardware Management Console (HMC) to create virtual servers on a zBX blade and define a workload that spans that environment and z/OS on the z196. The zManager performance management function is then illustrated to show how workloads that span the elements of the zEnterprise may be managed as a single logical workload for monitoring and management.

The workshop is taught by members of IBM's Advanced Technical Skills organization from the Washington Systems Center in Gaithersburg, Maryland.

The workshop runs 2 days. There is **no fee** to attend this workshop. Enrollment of customers is performed by the IBM representative on behalf of their customers.

Topics and Hands-on Labs

- **Introduction and Overview**

A technical overview of the zEnterprise and zManager is given to set the context and provide a framework of understanding for the technical details that follow.

- **Virtual Server Environment Survey**

In this section we take a survey of the virtual server environments supported on the zBX as well as the z196. This includes virtual servers on the Power blade, the x blade as well as on z/VM.

- **Workshop Setup Review**

Some of the setup work needed to host this workshop was done in advance of workshop delivery. In this section we review what those setup tasks were and how they relate to the overall design of zEnterprise.

- **Platform Performance Management**

A key capability of the zManager is its ability to manage the performance of workloads that span virtual server platforms within the zEnterprise. In this unit we see how that's accomplished and discuss the key pieces of this capability -- Application Response Measurement (ARM) and the Guest Platform Management Provider (GPMP).

- **Usage Scenarios**

In this unit we explore ways in which virtual servers in the zBX may be utilized in cooperation with work performed on z/OS. We explore the use of a technology called "Co:Z" (from Dovetail Technologies) which allows work to be performed off z/OS in a way that appears as if it is part of the z/OS job.

