Understanding Workload Manager (WLM)

Course Summary

Description

This class is a lecture-workshop for experienced systems programmers and performance analysts with a focus on WLM controls and operation. The course will explore the decision-making processes employed by WLM and how they can be monitored and evaluated.

Topics

- Service Class Definitions
- Setting Exception conditions
- Service Coefficients and Options
- Applications Environment
- Scheduling Environments
- WLM Managed Initiators
- Intelligent Resource Director
- Workload Licensing Limits
- SMF Type 99 Records

Audience

This class is intended for experienced systems programmers and performance analysts with a basic understanding of WLM definitions.

Prerequisites

There are no prerequisites for this course.

Duration

Three days
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Course Outline

I. Service class definitions
   A. Importance levels
   B. Execution velocity
   C. Response time goals
   D. Performance Index
   E. Classification rules

II. Setting exception conditions
    A. Resource groups
    B. CPU/storage critical settings

III. Service coefficients and options
     A. Service coefficients
     B. I/O priority management
     C. Dynamic alias management

IV. Applications environment
    A. Specifying and managing application environments
    B. Server limits for application environment

V. Scheduling environments
   A. Specifying scheduling environments
   B. Managing resource states

VI. WLM managed initiators

VII. Intelligent Resource Director
     A. LPAR CPU Management
     B. Dynamic Channel Path Management
     C. Channel Subsystem Priority Queuing

VIII. Workload licensing limits

IX. SMF type 99 records

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