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