integrata cegos

IBM ES54G - Basic z/OS Tuning Using the Workload Manager
Präsenztraining

Dauer : 4 Tage (27 Stunden)

Nr. : 36054

Preis : 3.290,00 € netto
3.915,00 € inkl. 19 % MwSt.

Inhouse-Paket : Auf Anfrage

Do you need to know how to establish a practical performance management program for your z/OS system? This course is designed for new performance analysts to learn to work with the Workload Manager (WLM) in goal mode. Learn concepts of WLM and performance management in the z/OS system using the WLM. Learn how to analyze Resource Monitoring Facility (RMF) reports and implement service definitions via the WLM Interactive System Productivity Facility (ISPF) application. The course uses both z/OS hands-on lab exercises and RMF case studies to reinforce the concepts and techniques discussed in lecture.

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Wer sollte teilnehmen:

Zielgruppe

This is an intermediate course for z/OS system programmers, z/OS performance analysts, and z/OS performance administrators new to performance management for their z/OS system.
Note: ES54 is intended for individuals new to WLM and the z/OS performance area.

Voraussetzungen

Understand basic MVS / z/OS operation, such as job flow through JES, job scheduling paging, swapping, dispatching controls, I/O scheduling.
Have a basic knowledge of the purpose of the Workload Manager´s function in managing system workloads.

Be familiar with using TSO and ISPF to manage data sets and run batch jobs

z/OS Basisausbildung (ES10D3DE)

z/OS Facilities (ES15D0DE)

z/OS - Grundlagen für Systemprogrammierer - Praktikum (ES40D2DE)

Trainingsprogramm

Tuning methodology
describe the basc terms in the process of tuning and system structure

outline the tuning methodology, including the factors affecting performance and the individual steps in analyzing

system performance

SMF and RMF

set up collection and utilize SMF data

implement and analyze RMF measurements for Monitors I, II, and III

utilize the RMF Spreadsheet Reporter and RMF Performance Management

CPU performance when running in a shared LPAR environment

utilize zSeries processor metrics and LPAR weights

analyze RMF CPU and LPAR reports

describe the functionality of zAAP processors

Basic system workload management

use WLM dialog to create/modify service definitions

create service class goals and classification rules to manage a complex z/OS workload

WLM commands, internals and services

understand the behavior and operation of WLM services, including enclaves, application environments, execution delay monitoring, and their use by DB2, WebSphere and CICS

optimize the use of WLM-managed initiators

Measure and tune z/OS DASD and processor storage

understand DASD configurations in order to analyze RMF DASD reports

interpret RMF paging and virtual storage reporting

Additional Topics - Coupling Facility, Intelligent Resource Director (IRD), Global Resource Serialization (GRS), Workload License Charges (WLC), and Enterprise Workload Manager (EWLM)

analyze RMF coupling facility reports through an understanding of how a CF operates in a parallel sysplex

understand the basic functionality, terminology and benefits of Intelligent Resource Director (IRD)

state how GRS operations can be tuned for optimal z/OS performance

utilize WLC, defined capacity, and the sub-capacity reporting tool to optimize software charges

describe how WLM implements soft capping

understand the operation and usage of EWLM and its relationship to z/OS WLM

Schulungsmethode

presentation, discussion, hands-on exercises, demonstrations on the system

Hinweis

Class language is German, student notebooks in English.