

AIX Performance Monitoring and Management Workshop

Skills and expertise to help you increase the business value from your Power Systems investment

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Purpose

This course is designed for System Administrators using AIX Version 7.2, 7.1 and AIX 6.1. It provides participants with the skills to monitor, analyze and tune AIX subsystems for optimal performance including concepts, strategy and the ways to implement balanced system.

Audience

This course is targeted for system administrators with at least six months experience in AIX and with other relevant education.

Prerequisites

Participants should be experienced System Administrators and should have previously attended IBM AN100 and AN120.

For additional details on all courses offered by TLC, please visit: <https://www.tlcpak.com/educ.html>

Objectives

Everyone who uses a computer has an opinion about its overall systems performance. Unfortunately, these opinions are often completely different. On successful completion of this course, students should be able to perform problem determination and analyze the root causes generating system performance issues.

Course Outlines

- Performance Overview
- System performance
- Performance tuning process
- System architecture
- Program execution hierarchy
- Components of system performance
- Processor performance
- System dynamics/attributes
- Identification of critical resources
- Tools for performance evaluation
- Standard UNIX and AIX performance tools
- Tuning CPU Usage
- Processes and threads
- The life of a process
- Scheduling policies
- The iostat, sar, ps, svmon, tprof commands
- AIX Logical Track Group Size
- Introduction to AIX PROC tools
- Administration tuning techniques
- The vmstat, ps and svmon commands
- Tuning paging space thresholds
- Memory leaks
- Logical volume attributes that affect performance by using lvmstat command
- Monitoring PV and LV usage
- Using iostat and filemon
- Logical volume fragmentation
- Using filemon and fileplace
- File fragmentation and disk placement

- JFS log
- Defragmenting an file system
- Multiple page support in AIX
- AIX Performance Work Bench
- Issues related to application problems
- Performance – Best Practices
- The Performance tuning process

After completing this course, you will learn how to

Effectively used different performance monitoring tools and learn about assessing and tuning the performance of processors, file systems, memory, disk I/O, NFS, Java, and communications I/O. This topic collection also address efficient system and application design, including their implementation.

The metrics reported by any statistics tool such as lparstat, vmstat, iostat, and mpstat, including the applications based on perfstat application program interface (API) or system performance measurement interface (SPMI) API varies to a certain extent when run in parallel with the same sampling interval at any given instance of time.

Detail Information

Course Code	:TN180
Course Duration	: 2 Day
Course Location	: Customer onsite (Karachi, Lahore and Islamabad), and Online on Zoom.
Discount	: Discounts are available for a class of 5 and 8 students
Terms & Conditions	:100% payment in advance



For additional information please write to us at: info@tlcpak.com or send us your nominations at www.tlcpak.com/nomination.html