

AIX Disk Storage Management and Recovery Procedures

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

Like many UNIX operating systems, AIX uses the concepts of Logical Volume Management (LVM) in its data management architecture. This one day workshop explains the specifics of the AIX LVM and provides some tips and best practice recommendations to get the most from your AIX disk storage management policies and administration.

A trainer who have developed IBM AIX V6 and V7 courseware and built AIX Certification papers seven times.

This course will be delivered by IBM Certified and experienced trainer imparting IBM AIX courses globally for over 25 plus years.

Purpose

This course is specially designed for AIX System Administrators. Replacing a disk is not an easy task. System administrators must know the procedures to replace and fix a disk without corrupting the systems. In essence, disk storage administration is an important part of an administration that needs sizeable consideration from management point of view.

Audience:

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

For additional details on other AIX courses, please visit: <https://www.tlcpak.com/educ.html>

Prerequisites

Participants should be experienced System Administrators and should have previously attended IBM ATN100 and TN120 or TN140 with sufficient understanding of using AIX Logical Volume Manager.

Objectives

At the end of this session, individual will be able to identify how to replace a disk under different conditions and able to recover from a total Volume Group failures.

Course Outlines

Unit 1 – Disk Management Theory

- Reviewing LVM Terms
- Volume Group Limits
- Mirroring Striping
- Mirroring and Striping with RAID
- LVM Data on Disk Control Blocks
- The Logical Volume Control Block (LVCB)
- LVM interaction with the ODM and VGDA
- ODM entries for PVs, VGs and LVs
- ODM-related LVM Problems
- Fixing ODM problems
- Mirroring and Stale Partitions
- Mirrored LVs and Mirror Write Consistency
- Mirroring rootvg

Unit 2 – Disk Management Procedures

- Disk Replacement Techniques
- Replacing a rootvg Disk
- Total Disk Failure
- Volume Group Failure
- Total non-rootvg Failure
- Disk Replacement Failures
- Importing and Exporting a Volume Group
- Import/Export Issues
- Saving and Restoring Volume Groups
- Creating a System Backup (mksysb)

- Verifying the System Backup
- Restoring a mksysb
- Changing the Partition Size in rootvg
- Removing an Alternate Disk Installation
- Saving and Restoring non-rootvg Volume Groups
- Error Logging Components
- Types of Disk Errors

After completing this course, you will learn how to:

This course provides advanced AIX system administrator skills with a focus on availability and problem determination. It provides detailed knowledge of the ODM database where AIX maintains so much configuration information.

It shows how to monitor for and deal with AIX problems. There is special focus on dealing with Logical Volume Manager problems, including procedures for replacing disks. Several techniques for minimizing the system maintenance window are covered. This course can also be attended by customers using AIX 6.1.

Detail Information

Course Code	:TN190
Course Duration	: 1 Day Workshop
Course Fee	: Obtain upon request
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/nomination1.html

