

INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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IBM LinuxONE Course

Introduction to IBM LinuxONE

- Overview of Mainframe Computing
- Introduction to IBM LinuxONE
- Features and Capabilities
- Use Cases and Applications

Architecture of IBM LinuxONE

- Architecture Overview
- Components of IBM LinuxONE
- Logical Partitioning (LPAR)
- z/VM Hypervisor

Installation and Configuration

- Pre-installation Requirements
- Installation Process
- Setting up Logical Partitions (LPARs)
- Configuring z/VM Hypervisor

Linux on IBM LinuxONE

- Introduction to Linux on Mainframe
- Supported Linux Distributions

- LinuxONE Specific Features and Optimizations
- Porting and Migrating Applications to LinuxONE

Performance and Scalability

- Performance Characteristics of IBM LinuxONE
- Scalability Features
- Performance Monitoring and Tuning
- High Availability and Fault Tolerance

Security and Compliance

- Security Features of IBM LinuxONE
- Secure Boot and Secure Execution
- Cryptographic Acceleration
- Compliance Standards (e.g., GDPR, HIPAA)

Virtualization and Resource Management

- Virtualization Features
- Managing Logical Partitions (LPARs)
- Dynamic Resource Allocation
- Capacity Planning

Workload Management

- Overview of Workload Types
- Workload Management Strategies
- Prioritizing Workloads
- Balancing Workloads

Integration with Hybrid Cloud

- Integrating IBM LinuxONE with Hybrid Cloud Environments
- Hybrid Cloud Management Tools
- Security and Data Governance in Hybrid Cloud

- Disaster Recovery in Hybrid Cloud

LinuxONE Solutions and Offerings

- IBM LinuxONE Solutions Portfolio
- IBM Z Solutions for Cloud Native Development
- LinuxONE Services and Support Offerings
- IBM LinuxONE Client Success Stories

Management and Administration

- Monitoring System Health
- System Management Tools
- Patch Management and Updates
- Backup and Recovery Strategies

Advanced Topics

- LinuxONE Docker and Kubernetes Support
- Blockchain Technology on LinuxONE
- AI and Machine Learning Workloads
- LinuxONE Integration with IBM Watson

Best Practices and Optimization

- Best Practices for IBM LinuxONE Configuration
- Performance Optimization Strategies
- Capacity Planning
- Error Handling and Troubleshooting

Case Studies and Real-world Examples

- Industry Use Cases
- Customer Case Studies
- Project Implementation Examples

Certification Preparation

- Overview of IBM LinuxONE Certifications
- Tips for Exam Preparation
- Sample Questions and Practice Exams

Community and Resources

- IBM LinuxONE Community Resources
- Online Forums and Communities
- Recommended Books and Tutorials
- Continuing Education Opportunities