



IBM Spectrum LSF Advanced Administration and Configuration for Linux  
Information

**Length:** 24.0 Hours  
**Ref:** H023G  
**Delivery method:** Classroom  
**Price:** AUD

Overview

This course teaches IBM Platform LSF 10.1 version.  
The course is designed to extend the system administrator's knowledge to include advanced LSF functionality and commands to configure and manipulate site-specific resources and enhance the current cluster design. The workshops provide valuable experience with the gathering of site-defined shared resources such as licenses, the configuration of job submission and execution environments, dynamic cluster configurations, etc. The system administrator will also learn helpful hints and tips and develop fundamental troubleshooting skills.

Public

This advanced course is for system administrators and advanced end-users who are responsible in extending the role of LSF in site-defined cluster resource management and who require the implementation of job and resource controls.

Prerequisites

You should have taken:

- IBM Platform LSF Basic Configuration and Administration **or** have equivalent working experience with LSF

You should:

- be familiar with UNIX/Linux **and**
- have basic UNIX/Linux system administration experience

Objective

Please refer to Course Overview for description information.

Topics

- Platform LSF site-defined resources

#### Platform LSF and shared resources

- Platform LSF checkpoint, rerun, and migration
- External job submission and execution controls
- Job groups and job dependencies
- Platform LSF resource reservations
- Platform LSF job environment
- Application profiling
- Dynamic servers and floating clients
- Managing multiple Platform LSF clusters
- Patch installer
- LSF session scheduler
- Live reconfiguration
- Compute unit
- CPU/Memory/Affinity -new feature
- LSF Alternative Resource Requirements - new feature
- Guarantee SLA capabilities