



## **Platform LSF 6.1 Configuration & Administration with ECLIPSE Integration**

**Duration: 5 Days**

The Platform LSF 6 Configuration & Administration with Schlumberger Eclipse integration course is designed to extend the system administrator's knowledge to include advanced Platform LSF functionality and commands to configure and manipulate site-specific resources and enhance the current cluster design.

### **Who Should Attend**

The Platform LSF Configuration & Administration course has been developed for system administrators and users who will implement LSF, manage the environment and extend the role of Platform LSF in site-defined cluster resource management and implement job & resource controls. It also provides insight into the integration of Platform LSF and Schlumberger ECLIPSE.

### **Course Pre-requisite**

Attendees should be familiar with UNIX/Linux, have basic UNIX/Linux system administration and Platform LSF experience.

### **Course Content**

This course covers the following:

#### **Concepts & Commands**

- LSF Product Suite Overview
- Workload Management Concepts
- Platform LSF Concepts and Commands
- Scheduling Strategies and Policies
- Platform LSF Web GUI
- Shared Resources - how to gather and use
- End-user Authentication & Security
- Checkpointing, Rerun & Migration
- Job Modification & Controls
- Job Arrays & Dependencies

#### **Administration**

- Job Environment Management
- Advanced Queue, Host & Daemon Management
- Time-based Configuration
- Software License Management
- Platform LSF Extensibility
- Job Environment Management
- Advanced Resource and Memory Reservations

#### **Schlumberger ECLIPSE Macros**

- What do they do?
- Why Use them?
- Detailed look at each Macro
- Job Modification & Controls
- Explanation of SLB / Platform relationship



#### Schlumberger ECLIPSE with LSF

- Submitting ECLIPSE jobs to Mixed OS cluster
- Submitting ECLIPSE jobs from PC client
- What Licenses within ECLIPSE can be reserved
- Why use License Resource requirement
- How to install ELIM - External Load Information Manager
- What are Multiple ELIM's
- Troubleshooting installation
- What do SLB support and what does Platform support
- What is Enginframe?
- Demonstration of Schlumberger EF services