

# Search Optimization

## Course Description:

This course is for power users who want to improve search performance.

The course will cover how search modes affect performance, how to create an efficient basic search, how to accelerate reports and data models, and how to use the tstats command to quickly query data.

## Course Duration:

1 Day

## Prerequisites:

To be successful, students must have completed these Splunk Education course(s) or have equivalent working knowledge:

- How Splunk works
- Creating search queries
- Creating reports and data models

## Course Outlines:

### Module 1 – Optimize Search

- Understand how search modes affect performance
- Examine the role of the Splunk Search Scheduler
- Review general search practices

### Module 2 – Report Acceleration

- Define acceleration and acceleration types
- Understand report acceleration and create an accelerated report
- Reveal when and how report acceleration summaries are created
- Search against acceleration summaries

### Module 3 – Data Model Acceleration

- Understand data model acceleration
- Accelerate a data model
- Use the datamodel command to search data models

### Module 4 – Using the tstats Command

- Explore the tstats command
- Search acceleration summaries with tstats
- Search data models with tstats
- Compare tstats and stats

## Target Audience:

- Knowledge Managers
- Users/Analysts