



Apache Solr Overview Training

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SPJ Solutions offers an “Apache Solr Overview ” course that teaches your application developers and administrators to configure, manage, and administer Apache Solr . The course combines classroom lectures with hands-on lab exercises. Each lab can be customized to meet your specific needs, leading to higher learning retention. The course is designed for beginner and intermediate level administrators.

Apache Solr is a powerful search engine that significantly improves search result response times from databases, documents (PDF, Word), XML, and other objects (JSON, .csv). Solr uses smart index-based searches that are dramatically superior to traditional SQL queries.

Course Duration: 1/2 Day

Module 1: Introduction to Index Based Search

This module articulates the how index-based search differs from traditional SQL based queries. Students will learn how index-based search works, as well as its benefits to applications. Students will also learn the concepts of analyzers, tokenizers, and filters and how they apply to index-based search.

Module 2: Apache Solr Overview

This module covers various features of Apache Solr, including advanced full-search, indexing, faceting, spell checking, “more like this”, “grouping and clustering”, spatial search, query rethinking, transforming, suggesters, pagination and highlighting. Students will learn about the Solr architecture and its high-availability features.

Module 3: Apache Solr Configuration

This module covers the Apache Solr configuration files. Students will learn how to configure Apache Solr to index data from a database, using the DataImportHandler. Students will also receive an overview of how to deploy Solr into various J2EE containers, including Tomcat, JBoss, and WebLogic Server.

Module 4: Apache Solr Administration and Management

This module provides an overview of the Solr administration user interface and its capabilities, including analysis, data import, documents, files, ping, plugins/ Stats, query, replication, and schema browser. Students will also learn advanced capabilities such as the configuration of SSL, backing up and restoring SolrCores, logging, and production deployment.

Expected Course Outcomes

Students will have a comprehensive understanding of Apache Solr including how to configure, administer and manage applications.

For More Information

Paul Wong
pwong@spjsolutions.com
(916) 996-6438
www.spjsolutions.com
