

Splunk MLTK Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The Splunk Machine Learning Toolkit (MLTK) training by Multisoft Systems is a comprehensive program designed to equip participants with the skills to leverage machine learning within the Splunk platform. This training provides an in-depth understanding of how to apply advanced analytics and predictive modeling in Splunk, enabling professionals to analyze and interpret complex data effectively. The course covers key aspects of the MLTK, including data preparation, algorithm selection, model training, and evaluation.

Module 1: Introduction

- ✓ Overview of Splunk MLTK
- ✓ Key features and capabilities
- ✓ Installation and configuration

Module 2: Data Preparation

- ✓ Data ingestion in Splunk
- ✓ Data cleaning and pre-processing
- ✓ Feature extraction and transformation

Module 3: Basic Concepts of Machine Learning

- ✓ Supervised vs. Unsupervised Learning
- ✓ Overview of common algorithms
- ✓ Model training and evaluation metrics

Module 4: Splunk MLTK Algorithms

- ✓ Exploration of built-in algorithms
- ✓ Use cases and applications
- ✓ Custom algorithm integration

Module 5: Building Models in Splunk

- ✓ Utilizing the Splunk MLTK Assistant
- ✓ Model training and parameter tuning
- ✓ Model validation and testing

Module 6: Operationalizing Models

- ✓ Deploying machine learning models
- ✓ Scheduling and automating model retraining
- ✓ Monitoring and managing models

Module 7: Use Case Implementation

- ✓ Walkthrough of specific use cases (e.g., IT operations, security, business analytics)
- ✓ Building custom analytics and visualizations
- ✓ Integrating machine learning insights into dashboards

Module 8: Advanced Topics

- ✓ Deep learning in Splunk
- ✓ Integrating with external machine learning platforms and tools
- ✓ Scaling and optimizing machine learning in Splunk

Module 9: Best Practices

- ✓ Security and privacy considerations
- ✓ Performance optimization
- ✓ Troubleshooting and support

Module 10: Hands-on Labs and Projects

- ✓ Real-world data analysis challenges
- ✓ Implementing end-to-end machine learning solutions
- ✓ Evaluating and presenting results