Mastering Splunk Data Management Techniques

Category: AI, Data & Analytics | **Vendor:** Splunk

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Every organization opting to use Splunk needs to understand the best way to ingest data from various sources. While the most direct route to the Splunk indexers is best for the success of any Splunk deployment, in an environment where data creation is skyrocketing, you must consider intermediate-forwarding solutions to meet your unique business challenges. This Instructor-led course is designed for those with foundational knowledge in Splunk data administration who wish to deepen their expertise. It focuses on technical skills related to data management processes and will benefit professionals involved in designing, building, and optimizing Splunk data ingestion pipelines.

Note: The topics covered in this course apply to hybrid environments spanning Splunk Enterprise, Splunk Cloud, and other non-Splunk storage options.

Please note this course consists of 18 hours of content - Typically delivered over 3 days of 6 hour sessions, however, some classes may be delivered over 4 days consisting of 4.5 hour sessions each day.

About This Course

Every organization opting to use Splunk needs to understand the best way to ingest data from various sources. While the most direct route to the Splunk indexers is best for the success of any Splunk deployment, in an environment where data creation is skyrocketing, you must consider intermediate-forwarding solutions to meet your unique business challenges. This Instructor-led course is designed for those with foundational knowledge in Splunk data administration who wish to deepen their expertise. It focuses on technical skills related to data management processes and will benefit professionals involved in designing, building, and optimizing Splunk data ingestion pipelines.

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Who Should Attend

- Splunk Administrators

Prerequisites & Entry Requirements

General Prerequisites:

To be successful, you must the following prerequisites:

- On-the-job experience managing Splunk deployments including:
- Splunk ingestion pipelines
- Splunk troubleshooting methodologies
- Completed the following course:
- Splunk Cloud Administration (SCA), OR
- Splunk Enterprise System Administration (SESA) and Splunk Enterprise Data Administration (SEDA)

Detailed Course Outline

Module 1 – Splunk Data Processing Introduction

- Review and discuss the classic Splunk GDI architecture
- Highlight the benefits and the implementation parameters
- Explain how Splunk ingestion pipeline scales
- Understand the role of Splunk data ingestion processing solutions
- List the data flow attributes in inputs.conf and outputs.conf

Module 2 – Data Processing with Intermediate Forwarders

- List the benefits and challenges of processing data at the edge
- Deploy and manage intermediate forwarders
- Use classic parsing techniques to transform events
- Explore strategies for optimizing data flow

Module 3 – Data Processing with Ingest Actions

- Set up Ingest Actions in your environment
- Create pipeline rulesets with Ingest Actions
- Understand the underlying conf file attributes
- Manage and deploy ingest Actions rulesets

Module 4 – Data Processing with Edge Processor

- Describe what Edge Processor is and how it works
- Configure the Edge Processor control plane
- Set up data sources and destinations
- Deploy and manage Edge Processor instances
- Use SPL2 for ingest pipeline authoring and deployment
- Masking, filtering, enriching and routing of data
- Monitor data plane health using the control plane UI

Module 5 – Data Processing with Ingest Processor

- Describe what Ingest Processor is and how it works
- List the differences between Edge Processor and Ingest Processor
- Use SPL2 for ingest pipeline authoring and deployment
- Convert a log source into metrics and route them to Splunk Observability Cloud
- Monitor data plane health of Ingest processor pipelines

Module 6 – Data Management Solution Integration

- Identify the best practices for using Splunk ingestion solutions
- Understand how different pipelines work together in Splunk
- Identify critical events in the logs for troubleshooting
- List the steps to decommission Data Management Experience pipelines

Frequently Asked Questions

Q: What delivery options are available for Mastering Splunk Data Management Techniques?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day Mastering Splunk Data Management Techniques course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Mastering Splunk Data Management Techniques training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Mastering Splunk Data Management Techniques?

Yes, we provide corporate training, dedicated training, and closed classes for Mastering Splunk Data Management Techniques. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Mastering Splunk Data Management Techniques, Splunk Cloud Administrator, MSDMT

Q: Why choose Nexus Human for Mastering Splunk Data Management Techniques?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Mastering Splunk Data Management Techniques training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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