Architecting Splunk Enterprise Deployments

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

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This course is for architects and others tasked with implementing and managing large enterprise deployments.

The course covers Splunk deployment planning, Index and resource planning, an overview of Splunk clustering, forwarder selections and forwarder management, integration with other Splunk and third-party products, performance monitoring and tuning, and Splunk use cases.

Please note that this course may run over two days, with 4.5 hour sessions each day or, may run over one day.

About This Course

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Who Should Attend

Splunk Enterprise Architects

Prerequisites & Entry Requirements

General Prerequisites:

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

- Intro to Splunk
- Using Fields (SUF)
- Intro to Knowledge Objects
- Creating Knowledge Objects (CKO)
- Creating Field Extractions (CFE)
- Splunk Enterprise System Administration (SESA)
- Splunk Enterprise Data Administration (SEDA)
- Troubleshooting Splunk Enterprise (TSE)

Additional courses and/or knowledge in these areas are also highly recommended:

- Enriching Data with Lookups (EDL)
- Data Models (SDM)
- Splunk Enterprise Cluster Administration (SCLA)

Detailed Course Outline

Module 1 – Splunk Deployment Planning

- Define the responsibilities of a Splunk Architect
- Introduce the Splunk deployment planning process and tools
- Identify the information that is needed for deployment decisions
- Identify use cases
- Provide lists and resources to aid in collecting requirements
- Review the network topology for Buttercup Games

Module 2 – Index Design

- Define index implementation
- Design indexes
- Estimate storage requirements for indexes
- Identify relevant apps and document impact on inputs and indexes

Module 3 – Resource Planning

- Determine sizing based on Splunk usage
- Define reference server requirements for Indexers, Search heads, and other Splunk components
- Describe deployment options such as virtualization and cloud
- Describe the impact of acceleration and apps on resource sizing

Module 4 - Clustering Overview

- Review indexer clustering, including single-site and multi-site clusters
- Define clustering requirements, best practice, and SmartStore
- Review search head clustering
- Defined search head clustering requirements and best practices

Module 5 - Forwarder and Deployment Best Practices

- Review forwarder types
- Manage forwarder installation in an enterprise environment using Deployment Server, Cluster Manager, and SHC Deployer

Module 6 - Integration

- Describe and identify integration methods

Module 7 – Performance Monitoring and Tuning

- Use the Monitoring Console (MC) to track the performance of your test environment before going into production
- Identify options to optimize the production environment
- Overview of Workload Management

Module 8 – Use Cases

- Provide example architecture topologies
- Discuss different architecture options based on use case

Frequently Asked Questions

Q: What delivery options are available for Architecting Splunk Enterprise Deployments?

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 2-day Architecting Splunk Enterprise Deployments course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Architecting Splunk Enterprise Deployments training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Architecting Splunk Enterprise Deployments?

Yes, we provide corporate training, dedicated training, and closed classes for Architecting Splunk Enterprise Deployments. 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: Architecting Splunk Enterprise Deployments, Splunk Enterprise Architect, ASED

Q: Why choose Nexus Human for Architecting Splunk Enterprise Deployments?

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 Architecting Splunk Enterprise Deployments training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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