Intellectual POINT
EXCELLENCE THROUGH EDUCATION

Splunk Enterprise Certified Architect Training Course

Splunk Enterprise Certified Architect validates expertise in architecting Splunk solutions, focusing on designing, deploying, and managing Splunk environments for optimized performance.

DATA-301

Course Outcomes

Professional, practical, & hands-on live instructor-led training

Advance your skills and graduate as a certified professional, with the skills, experience, and job-search know how to get your career moving.

▶ Start Today

Potential Career Tracks

Splunk Enterprise Architect	Data Analyst
System Administrator	Enterprise Data Manager
IT Consultant	SIEM Engineer

Taught by Industry Veterans &
World Class Instructors

Introduction to Splunk Enterprise Certified Architect ⌄

▶ Course Overview

The Splunk Enterprise Certified Architect Training Course at Intellectual Point is meticulously structured to immerse you in the essential concepts and real-world applications of managing and architecting Splunk environments. Designed for professionals aiming to master the design, implementation, and management of Splunk solutions, this course offers you a robust framework of both theoretical knowledge and practical skills. You will delve into advanced topics such as data indexing, cluster deployment, and optimizing system performance while preparing for the Splunk Enterprise Certified Architect certification. Through this comprehensive platform, you will enhance your abilities to drive insights and value from data.

Throughout the training, you will explore configuring and managing a Splunk environment, designing complex data flows, and deploying and managing Splunk clusters. The course includes hands-on labs and exercises where you will apply best practices for configuring Splunk in large-scale, distributed environments. By the end of the program, you'll be equipped to take on any architectural challenges in Splunk, ensuring maximum efficiency and performance.

⚡ Obtainable Skills

Designing Splunk Architectures	Cluster Deployment and Management	Data Indexing
System Performance Optimization	Configuring and Managing Splunk Environments
Complex Data Flow Design	Large-Scale Distributed System Management	Data Analytics
Certification Exam Preparation

Course Insights ⌄

👤 Audience Profile

This Splunk Enterprise Certified Architect course is tailored for IT professionals, data analysts, and engineers who are looking to advance their expertise in deploying and managing Splunk enterprise solutions. It is particularly suited for individuals with a background in system administration, analytics, or networking who aspire to become certified Splunk professionals. The course appeals to those interested in enhancing their careers by acquiring in-demand skills in data architecture, analytics, and enterprise data management.

📖 Course Outcomes   By the end of this course, participants will:

1. Develop and manage complex environments with efficient data architecture designs.

2. Deploy, configure, and manage Splunk clusters for large-scale enterprises.

3. Design and implement strategies to optimize system performance and data indexing.

4. Utilize advanced features for enterprise-level data analytics and reporting.

5. Gain the skills and knowledge required to pass the Splunk Enterprise Certified Architect certification.

Module by Module Learning *Outline*

6 Modules

Module 1: Introduction to Splunk Architecture

Learning Objectives:

- Understand the fundamental components of Splunk architecture.
- Learn to navigate the Splunk environment for efficient management.

Topics Covered

Overview of Splunk Components:

- Understanding Splunk architecture components: indexers, search heads, and forwarders.
- Splunk data flow and indexing basics.

Navigating the Splunk Interface:

- Familiarization with Splunk's user interface for data analysis.
- Accessing data within Splunk using basic search functionalities.

Module 2: Data Indexing and Management

Learning Objectives:

- Master the configuration and management of data inputs for efficient indexing.
- Implement strategies to manage data lifecycle within Splunk.

Topics Covered

Data Input and Configuration:

- Setting up data inputs and monitoring configurations.
- Exploring best practices for data input management.

Managing Data Lifecycle:

- Understanding data retention and archiving policies.
- Implementing solutions for data lifecycle management in Splunk.

Module 3: Designing Splunk Architectures

Learning Objectives:

- Design robust and scalable Splunk architectures.
- Learn the considerations and best practices for Splunk deployment.

Topics Covered

Scalability and Performance:

- Key principles of designing a scalable Splunk architecture.
- Performance optimization techniques for Splunk environments.

Deployment Best Practices:

- Factors influencing Splunk architectural decisions.
- Implementing deployment strategies for distributed systems.

Module 4: Cluster Deployment and Management

Learning Objectives:

- Gain proficiency in deploying and managing Splunk clusters
- Understand the complexities of cluster deployment and Splunk services.

Topics Covered

Splunk Clustering Concepts:

- Basics of Splunk's clustering: search head and indexer clusters.
- Understanding replication and data availability.

Managing Clustered Environments:

- Cluster management tools and commandline options.
- Monitoring and maintaining Splunk clusters for reliability.

Module 5: Advanced Data Flows and Optimization Techniques

Learning Objectives:

- Design complex data flows for enterpris-elevel needs.
- Apply optimization techniques for enhanced system performance.

Topics Covered

Designing Complex Data Flows:

- Strategies for creating intricate data workflows.
- Ensuring data accuracy and consistency in complex systems.

System Performance Optimization:

- Performance tuning techniques for large-scale environments.
- Analyzing and addressing performance bottlenecks.

Module 6: Preparation for Splunk Enterprise Certification

Learning Objectives:

- Prepare for the Splunk Enterprise Certified Architect certification exam.
- Review key concepts and practical skills covered throughout the course.

Topics Covered

Exam Strategies and Study Tips:

- Reviewing exam formats and question types.
- Effective study techniques for certification preparedness.

Recap and SelfAssessment:

- Recap essential topics and skills necessary for certification.
- Engage in self-assessment and practice exams