



# Architecting Splunk Enterprise Deployments

This 9-hour course focuses on large enterprise deployments. Students learn steps and best practices for planning, data collection and sizing for a distributed deployment. Workshop-style labs challenge students to make design decisions about an example enterprise deployment.

## Course Topics

- Requirements definition
- Index and resource planning
- Clustering Overview
- Forwarder and Deployment
- Integration
- Performance Monitoring and Tuning
- Use Cases

## Prerequisite Knowledge

To be successful, students should have a solid understanding of the following courses:

- Fundamentals 1 & 2

Or the following single-subject courses:

- What is Splunk?
- Intro to Splunk
- Using Fields
- Introduction to Knowledge Objects
- Creating Knowledge Objects
- Creating Field Extractions

Students should also understand the following courses:

- Splunk Enterprise System Administration
- Splunk Enterprise Data Administration

## Course Format

Instructor-led lecture with labs. Delivered via virtual classroom or at your site.

## Course Objectives

### Module 1 – Introduction

- Overview of the Splunk deployment planning process and associated tools

### Module 2 – Project Requirements

- Identify critical information about environment, volume, users, and requirements
- Review checklists and resources to aid in collecting requirements

### Module 3 – Infrastructure Planning: Index Design

- Design and size indexes
- Estimate storage requirements
- Identify relevant apps

### Module 4 – Infrastructure Planning: Resource Planning

- List sizing factors for servers
- Describe how reference hardware is used to scale deployments

- Identify the impact of clustering for index replication and for search heads

### Module 5- Clustering Overview

- Describe the different clustering capabilities
- Introduce the concepts of indexer and search head clustering

### Module 6 - Forwarder and Deployment Best Practices

- Review types of forwarders
- Describe how to manage forwarder installation
- Review configuration management for all Splunk components, using Splunk deployment tools
- Provide best practices for a Splunk deployment

### Module 7 - Integration

- Describe integration methods
- Identify common integration points

### Module 8 – Performance Monitoring and Tuning

- Use the Monitoring Console to track the performance of your test environment
- List options to fine tune performance for production environment

### Module 9 – Use Cases

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

## About Splunk Education

Splunk classes are designed for specific roles such as Splunk Administrator, Developer, User, Knowledge Manager, or Architect.

### Certification Tracks

Our certification tracks provide comprehensive education for Splunk customer and partner personnel according to their areas of responsibility.

To view all Splunk Education's course offerings, or to register for a course, go to <http://www.splunk.com/education>

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