



Architecting Splunk Enterprise Deployments

This two virtual-day 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 infrastructure planning
- Clustering Overview
- Forwarder and Deployment
- Integration
- Use Cases

Course Prerequisites

- Splunk Fundamentals 1
- Splunk Fundamentals 2
- Splunk Enterprise System Administration
- Splunk Enterprise Data Administration

Class 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 test environment performance
- 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 of Splunk Education's course offerings, or to register for a course, go to <http://www.splunk.com/goto/education>

To contact us, email Education_AMER@splunk.com

About Splunk

Splunk is software that indexes, manages and enables you to search data from any application, server or network device in real time.

Visit our website at www.splunk.com to download your own free copy.

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