# splunk>

# Architecting and Deploying Splunk 6

This nine-hour course focuses on large enterprise deployments. Students will 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
- Data collection
- Forwarders
- Managing deployments
- Data comprehension
- Search considerations
- Operations and management

## Course Prerequisites

- Using Splunk
- Searching and Reporting with Splunk
- Creating Splunk Knowledge Objects
- Splunk Administration
- Strongly recommended:
   - Advanced Dashboards and Visualizations

## 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 – Initial Requirements Definition**

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

**Module 3 – Apps and Index Design**

- Design and size indexes
- Estimate storage requirements
- Plan app deployment

**Module 4 – Infrastructure**

- Learn sizing factors for servers
- Understand how reference hardware is used to scale deployments
- Identify the impact of clustering for index replication and for search heads

**Module 5 - Data Collection**

- Compare agent-based and agentless data collection methods
- Discuss data inputs
- Compare remote collection methods

**Module 6 - Forwarders and Deployment Management**

- Review types of forwarders
- Understand how to manage forwarder installation
- Understand configuration management for all Splunk components, using Splunk deployment tools

**Module 7 - Data Comprehension and Enrichment**

- Identify the six things you must get correct at index time
- Discuss Common Information Model
- Discuss Data Models and data model design
- Discuss data enrichment, including lookups and KV Store

**Module 8 – Search Considerations**

- Discuss search performance
- Discuss differences between summarization methods

**Module 9 – Integration**

- Describe integration methods
- Identify common integration points

**Module 10 - Operations and Management**

- Identify ongoing tasks in a Splunk deployment
- Identify backup and archiving methods
- Discuss onboarding processes
- Review monitoring tools and apps

## 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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