

**SPLK-ARCENTDEP8.0.1: Architecting Splunk
8.0.1 Enterprise Deployments**

Course Code: SPLK-ARCENTDEP8.0.1

Duration: 2 days

Instructor-led Training (ILT) | Virtual Instructor-
led Training (VILT)**OVERVIEW**

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.

SKILLS COVERED

- Please refer to course overview

WHO SHOULD ATTEND?

Everyone can attend.

PREREQUISITES

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

- Splunk Fundamentals 1
- Splunk Fundamentals 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 have completed the following courses:

- Splunk System Administration
- Splunk Data Administration

MODULES**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

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