Core Implementation

This course is an in-person, five-day instructor-led class that covers how to make Splunk Enterprise run efficiently in setting up large clustered Splunk environments using best practices. The class evaluates your ability to successfully deploy Splunk Enterprise in several scenarios, including Search Head Cluster, Indexer Cluster, and distributed environments. We also create advanced dashboards and alerts to ensure customers get the most value from their Splunk environment.

Course Topics
- Splunk architecture
- Monitoring Console
- Deployment Server
- LDAP integration
- Collecting and forwarding data
- Indexing and Searching
- Clustering indexes
- Clustering Search Heads

Course Objectives

Module 1 – Deploying Splunk
- Introduce the Splunk Validated Architectures
- Review how Splunk can grow from a standalone environment to a distributed environment with indexer and search head clustering
- Explain High Availability and Disaster Recovery
- Discuss migrating Splunk from on-premises to the Cloud
- Lab 0: Grade Me

Module 2 – Monitoring Console
- Discuss the best instance to configure as the Monitoring Console
- Configure the MC for a single or distributed environment
- Examine how the MC uses the server roles and groups assigned to instances
- Discuss health checks and how they are run
- Lab 1: Discovery

Module 3 – Configuration Management
- Define deployment apps
- Provide overview of Deployment Server
- Describe deployment system configuration
- Discuss how to manage Deployment Server at scale
- Lab 5: Scale DS

Module 4 – Access & Roles
- Discuss how to manage Deployment Server at scale
- Identify authentication methods
- Describe LDAP concepts and configuration
- Discuss SAML and SSO options
- Define roles and how they are used to protect data
- Lab 2: LDAP Integration

Module 5 – Data Collection
- Examine Splunk to Splunk (S2S) communication and the different ways data is sent from forwarder to indexer

Course Prerequisites
- Splunk Certified Architect +

Class Format
- Instructor-led lecture with labs, delivered in person.

Lab 3: Triage broken forwarder
Lab 4: Triage indexing issue
Lab 6: Upgrade Index Cluster
Lab 7: Expand Cluster & Migrate Indexer data
Module 9 – Search Head Clustering

- Provide overview of Search Head clustering
- Explain how to manage and deploy a cluster
- Describe content management using the Deployer
- Review the role of cluster members and the Captain
- Lab 8 – Install SHC

Appendix A – REST API

- Define the Splunk REST API
- Discuss requests, endpoints, and namespaces
- Examine tools and methods for using the API
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**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.

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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.

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