SPLUNK EDUCATION

Splunk Enterprise Cluster Administration

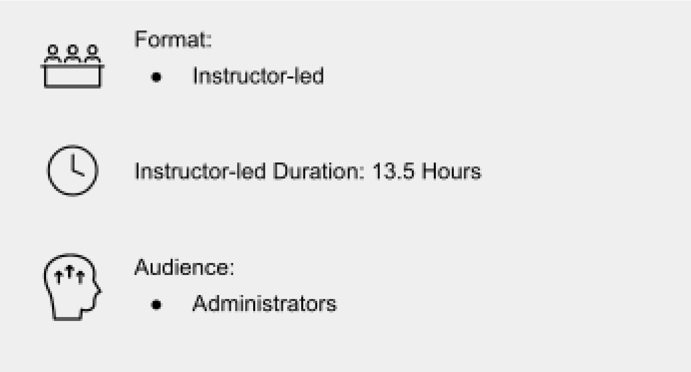
Summary

This course is for Splunk administrators.

The course provides the fundamental knowledge of deploying and managing Splunk Enterprise in a clustered environment.

Prerequisites

- To be successful, students must have completed these Splunk Education course(s) or have equivalent working knowledge:
  - Intro to Splunk
  - Using Fields
  - Introduction to Knowledge Objects
  - Creating Knowledge Objects
  - Creating Field Extractions
  - Splunk Enterprise System Administration
  - Splunk Enterprise Data Administration
  - Troubleshooting Splunk Enterprise
- Additional courses and/or knowledge in these areas are also highly recommended:
  - Enriching Data with Lookups
  - Data Models



Format:

- Instructor-led

Instructor-led Duration: 13.5 Hours

Audience:

- Administrators

Course Outline

Module 1 – Overview of Large-scale Splunk Deployment

- Identify factors that affect large-scale deployment design
- Describe approaches to scaling Splunk Enterprise
- Configure Splunk License Manager

Module 2 – Deploying Single-site Indexer Clusters

- Identify indexer cluster states
- Define replication factor and search factor
- Implement a single-site indexer cluster

Module 3 – Deploying Multisite Indexer Clusters

- Define site replication factor and site search factor
- Define search affinity
- Implement a multisite indexer cluster

Module 4 – Updating Indexer Cluster Peer Configurations

- Distribute configurations and apps across peers

Module 5 – Managing and Monitoring Indexer Clusters

- Enable replication for clustered indexes
- Configure Monitoring Console for indexer cluster environment

Module 6 – Configuring Indexer Discovery on Forwarders

- Configure indexer discovery
- Configure indexer acknowledgment
- Configure forwarder site failover

Module 7 – Deploying Search Head Clusters

- Configure a search head cluster
- Connect clustered and non-clustered indexers

Module 8 – Managing and Monitoring Search Head Clusters

- Deploy configuration bundles to search head cluster members
- Manage captaincy and member addition, removal and upgrades

Module 9 – Using KV Store in a Search Head Cluster

- Enable KV Store collection replication in a search head cluster
- Monitor KV Store status with Monitoring Console

About Splunk Education

With Splunk Education, you and your teams can learn to optimize Splunk through self-paced eLearning and instructor-led training, supported by hands-on labs. Explore learning paths and certifications to meet your goals. Splunk courses cover all product areas, supporting specific roles such as Splunk Platform Search Expert, Splunk Enterprise or Cloud Administrator, SOC Analyst or Administrator, DevOps or Site Reliability Engineer, and more. To learn more about our flexible learning options, full course catalog, and Splunk Certification, please visit http://www.splunk.com/education.

To contact us, email education@splunk.com.