SPLUNK EDUCATION

Course Description

Transitioning to Splunk Cloud

Summary

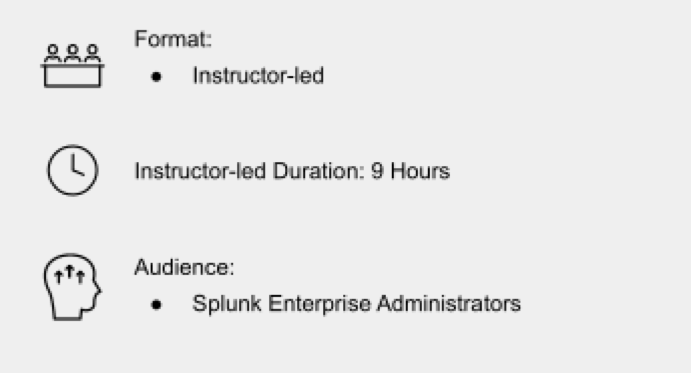
This course is for experienced on-prem administrators and anyone needing to ramp-up on Splunk Cloud to get more knowledge and experience of managing Splunk Cloud instances.

The course discusses the differentiators between on-prem Splunk and the different Splunk Cloud offerings. Modules include topics on how to migrate data collection and ingest from on-prem Splunk to Splunk Cloud as well as highlighting Splunk Cloud specific differences and best practices to manage a productive Splunk SaaS deployment. For Splunk Administrators who have undertaken the System and Data Administration learning pathways, this course highlights key differences between Splunk Enterprise deployed on-premises and Splunk Enterprise Cloud to allow them to ramp up their data and system management skills to transition to Splunk Cloud. The hands-on lab provides access to and experience of managing a Splunk Cloud instance.

Note: Splunk Cloud Administration and Transitioning to Splunk Cloud SHOULD NOT be taken together as both are designed to develop Splunk Cloud-specific skills and as such there is some overlap.

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
- Additional courses and/or knowledge in these areas are also highly recommended:
  - Enriching Data with Lookups
  - Data Models



Format:

- Instructor-led

Instructor-led Duration: 9 Hours

Audience:

- Splunk Enterprise Administrators

Course Outline

Module 1 – Splunk Cloud Overview

- Describe Splunk and Splunk Cloud features and topology
- Identify Splunk Cloud administrator tasks
- Describe Splunk Cloud purchasing options and differences between Classic and Victoria experience
- Secure Splunk deployments best practices
- Explain Splunk Cloud data ingestion strategies

Module 2 – Splunk Cloud Migration

- Understand the Splunk Cloud migration journey
- Determine Splunk Cloud migration readiness
- Identify Splunk Cloud migration preparation tasks, strategies, and possible challenges

Module 3 – Managing Users

- Identify Splunk Cloud authentication options
- Add Splunk users using native authentication
- Create a custom role
- Integrate Splunk with LDAP, Active Directory or SAML
- Use Workload Management to manage user resource usage
- Manage users in Splunk

Module 4 – Managing Indexes

- Understand cloud indexing strategy
- Define and create indexes
- Manage data retention and archiving
- Delete and mask data from an index
- Monitor indexing activities

Module 5 – Managing Apps

- Review the process for installing apps
- Define the purpose of private apps
- Upload private apps
- Describe how apps are managed

Module 6 – Configuring Forwarders

- List Splunk forwarder types
- Understand the role of forwarders
- Configure a forwarder to send data to Splunk Cloud
- Test the forwarder connection
- Describe optional forwarder settings

Module 7 – Common Inputs

- Describe forwarder inputs such as files and directories
- Create REST API inputs
- Create a basic scripted input
- Create Splunk HTTP Event Collector (HEC) agentless inputs

Module 8 – Additional Inputs

- Understand how inputs are managed using apps or add-ons
- Explore Cloud inputs using Splunk Connect for Syslog, Data Manager, Inputs Data Manager (IDM), Splunk Edge Processor, and Splunk Edge Hub

Module 9 – Using Ingest Actions

- Explore Splunk transformation methods
- Create and manage rulesets with Ingest Actions
- Mask, filter and route data with Ingest Action rules

Module 10 – Managing Splunk Cloud

- Secure ingest with Splunk Cloud Private Connectivity with AWS
- Describe Federated Search functionality
- Describe Splunk connected experience apps such as Splunk Secure Gateway
- Monitor and manage resource utilization by business units and users using Splunk App for Chargeback
- Perform self-service administrative tasks in Splunk Cloud using the Admin Config Service

Module 11 – Supporting Splunk Cloud

- Know how to isolate problems before contacting Splunk Cloud Support
- Use Isolation Troubleshooting
- Define the process for engaging Splunk Support

Appendix

- Explore Splunk security fundamentals

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.