



Administering Splunk Enterprise Security

This 13.5-hour course prepares architects and systems administrators to install and configure Splunk Enterprise Security (ES). It covers ES event processing and normalization, deployment requirements, technology add-ons, dashboard dependencies, data models, managing risk, and customizing threat intelligence.

Course Topics

- Provide an overview of Splunk Enterprise Security (ES)
- Customize ES dashboards
- Examine the ES Risk framework and Risk-based Alerting (RBA)
- Customize the Investigation Workbench
- Understand initial ES installation and configuration
- Manage data intake and normalization for ES
- Create and tune correlation searches
- Configure ES lookups
- Configure Assets & Identities and Threat Intelligence

Prerequisite Knowledge

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

- Using Splunk Enterprise Security
- What is Splunk?
- Intro to Splunk
- Using Fields
- Introduction to Knowledge Objects
- Creating Knowledge Objects
- Creating Field Extractions
- Enriching Data with Lookups
- Data Models
- Splunk Enterprise System Administration
- Splunk Enterprise Data Administration

Course Format

Instructor-led lecture with labs. Delivered via virtual classroom or at your site.

Course Objectives

Module 1 – Introduction to ES

- Review how ES functions
- Understand how ES uses data models
- Describe correlation searches, adaptive response actions, and notable events
- Configure ES roles and permissions

Module 2 – Security Monitoring

- Customize the Security Posture and Incident Review dashboards
- Create ad hoc notable events
- Create notable event suppressions

Module 3 – Risk-Based Alerting

- Give an overview of Risk-Based Alerting (RBA)
- Explain risk scores and how they can be changed
- Review the Risk Analysis dashboard
- Describe annotations
- View Risk Notables and risk information

Module 4 – Incident Investigation

- Review the Investigations dashboard
- Customize the Investigation Workbench
- Manage investigations

Module 5 – Installation

- Give an overview of general ES install requirements
- Explain the different add-ons and where they are installed
- Provide ES pre-installation requirements
- Identify steps for downloading and installing ES

Module 6 – General Configuration

- Set general configuration options
- Configure local and cloud domain information
- Work with the Incident Review KV Store
- Customize navigation
- Configure Key Indicator searches

Module 7 – Validating ES Data

- Verify data is correctly configured for use in ES
- Validate normalization configurations
- Install additional add-ons

Module 8 – Custom Add-ons

- Ingest custom data in ES
- Create an add-on for a custom sourcetype
- Describe add-on troubleshooting

Module 9 – Tuning Correlation Searches

- Describe correlation search operation
- Customize correlation searches
- Describe numeric vs. conceptual thresholds

Module 10 – Creating Correlation Searches

- Create a custom correlation search
- Manage adaptive responses
- Export/import content

Module 11 – Asset & Identity Management

- Review the Asset and Identity Management interface
- Describe Asset and Identity KV Store collections
- Configure and add asset and identity lookups to the interface



- Configure settings and fields for asset and identity lookups
- Explain the asset and identity merge process
- Describe the process for retrieving LDAP data for an asset or identity lookup

Module 12 – Managing Threat Intelligence

- Understand and configure threat intelligence
- Use the Threat Intelligence Management interface
- Configure new threat lists

Module 13 – Supplemental Apps

- Review apps to enhance the capabilities of ES including, Mission Control, SOAR, UBA, Cloud-based Streaming Analytics, PCI Compliance, Fraud Analytics, and Lookup File Editor

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 Splunk Education's course offerings, or to register for a course, go to <http://www.splunk.com/education>

To contact us, email Education_AMER@splunk.com

Splunk, Inc.

270 Brannan St. San Francisco, CA 94107

+1 866.GET.SPLUNK (1 866.438.7758)

[Contact sales](#)