



Using Splunk Enterprise Security

This 13.5-hour course prepares security practitioners to use Splunk Enterprise Security (ES). Students identify and track incidents, analyze security risks, use predictive analytics, and discover threats.

Course Topics

- ES concepts, features, and capabilities
- Security monitoring and Incident investigation
- Using risk-based alerting and risk analysis
- Assets and identities overview
- Creating investigations and using the Investigation Workbench
- Detecting known types of threats
- Monitoring for new types of threats
- Using analytical tools and dashboards
- Analyze user behavior for insider threats
- Use threat intelligence tools
- Use protocol intelligence

Prerequisite Knowledge

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
- Scheduling Reports and Alerts
- Visualizations
- Leveraging Lookups and Sub-searches
- Search Under the Hood
- Introduction to Knowledge Objects
- Enriching Data with Lookups
- Data Models
- Introduction to Dashboards

Course Format

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

Course Objectives

Module 1 – Introduction to ES

- Describe the features and capabilities of Splunk Enterprise Security (ES)
- Explain how ES helps security practitioners prevent, detect, and respond to threats
- Describe correlation searches, data models, and notable events
- Describe user roles in ES

- Log into Splunk Web and access Splunk for Enterprise Security

Module 2 – Security Monitoring & Incident Investigation

- Use the Security Posture dashboard to monitor ES status
- Use the Incident Review dashboard to investigate notable events
- Take ownership of an incident and move it through the investigation workflow
- Create notable events
- Suppress notable events

Module 3 – Risk-Based Alerting

- Give an overview of Risk-Based Alerting
- View Risk Notables and risk information on the Incident Review dashboard
- Explain risk scores and how to change an object's risk score
- Review the Risk Analysis dashboard
- Describe annotations
- Describe the process for retrieving LDAP data for an asset or identity lookup

Module 4 – Assets & Identities

- Give an overview of the ES Assets and Identities framework
- Show examples where asset or identity data is missing from ES dashboards or notable events
- View the Asset & Identity Management Interface
- View the contents of an asset or identity lookup table

Module 5 – Investigations

- Use investigations to manage incident response activity
- Use the Investigation Workbench to manage, visualize and coordinate incident investigations
- Add various items to investigations (notes, action history, collaborators, events, assets, identities, files and URLs)
- Use investigation timelines, lists and summaries to document and review breach analysis and mitigation efforts

Module 6 – Security Domain Dashboards

- Describe the ES security domains
- Use the Security Domain dashboards to troubleshoot various security threats
- Learn how to launch the Security Domain dashboards from Incident Review and from a notable event Action menu

Module 7 – User Intelligence

- Understand and use user activity analysis
- Use investigators to analyze events related to an asset or identity
- Use access anomalies to detect suspicious access patterns

Module 8 – Web Intelligence

- Use the web intelligence dashboards to analyze your network environment
- Filter and highlight events



Module 9 – Threat Intelligence

- Give an overview of the Threat Intelligence framework and how threat intel is configured in ES
- Use the Threat Activity dashboard to see which threat sources are interacting with your environment
- Use the Threat Artifacts dashboard to examine the status of threat intelligence information in your environment

Module 10 – Protocol Intelligence

- Explain how network data is input into Splunk events
- Describe stream events
- Give an overview of the Protocol Intelligence dashboards and how they can be used to analyze network data

Module 11 – Supplemental Apps

- Review apps to enhance the capabilities of ES including Splunk Mission Control and Splunk Security, Orchestration, Automation and Response (SOAR)

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>

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