Using ES

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
- Assets and identities
- Security monitoring and Incident investigation
- Use risk-based alerting and risk analysis
- Use investigation workbench, timelines, list and summary tools
- Detecting known types of threats
- Monitoring for new types of threats
- Using analytical tools
- Analyze user behavior for insider threats
- Use threat intelligence tools
- Use protocol intelligence and live stream data

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 – Getting Started with 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 and 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 – 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 5 – Using Security Domain Dashboards
- Use ES to inspect events containing information relevant to active or past incident investigation
- Identify security domains in ES
- Use ES security domain dashboards
- Launch security domain dashboards from Incident Review and from action menus in search results

Module 6 – Web Intelligence
- Use the web intelligence dashboards to analyze your network environment
- Filter and highlight events

Module 7 – User Intelligence
- Evaluate the level of insider threat with the user activity and access anomaly dashboards
- Understand asset and identity concepts
- Use the Asset and Identity Investigators to analyze events
- Use the session center for identity resolution
- Discuss Splunk User Behavior Analytics (UBA) integration

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Module 8 – 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 9 – 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

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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