



# Building Splunk Apps

This 9-hour course focuses on Splunk app development. It's designed for advanced users, administrators, and developers who want to create apps for Splunk Enterprise and Splunk Cloud. Major topics include planning apps, building data generators, adding data, creating custom search commands and REST endpoints, using the KV Store, app vetting using AppInspect, and app packaging.

## Course Topics

- Planning Apps
- Creating Apps
- Adding Data
- Enhancing Apps
- Using the REST API
- Packaging Apps

## Prerequisite Knowledge

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

- Fundamentals 1 & 2
- Creating Dashboards

Or the following single-subject courses:

- What is Splunk?
- Intro to Splunk
- Using Fields
- Visualizations
- Leveraging Lookups and Sub-searches
- Correlation Analysis
- Search Under the Hood
- Introduction to Knowledge Objects
- Creating Knowledge Objects
- Creating Field Extractions
- Enriching Data with Lookups
- Introduction to Dashboards
- Dynamic Dashboards

Students should also understand the following courses:

- Advanced Dashboards & Visualizations
- System Administration (recommended)

## Course Format

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

## Course Objectives

### Topic 1 – Planning Apps

- Set up a development environment
- Improve app performance
- Identify Splunk log files
- Create a data generator

### Topic 2 – Creating Apps

- Create an app
- Configure app properties
- Create app navigation
- Add app icons and logos

### Topic 3 – Adding Data

- Identify ways to add data
- Explain modular vs scripted inputs
- Understand data normalization
- Review Add-on Builder

### Topic 4 – Enhancing Apps

- Review commonly used knowledge objects
- Learn about custom alert actions
- Build custom workflow actions
- Develop custom search commands

### Topic 5 – Using the REST API

- Describe the Splunk REST API
- Extend Splunk with custom REST endpoints
- Review the KV Store and configuration
- Maintain app state using the KV Store

### Topic 6 – Packaging Apps

- Create an app setup page
- Define config file precedence
- Validate an app for Cloud with AppInspect
- Package an app

## 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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