

## Cisco® Splunk for Cisco® Integrated Infrastructure (SPLUNK)

### Overview

This course will cover how Splunk software scales to collect and index hundreds of terabytes of data per day, across multi-geography, multi-datacenter and cloud based infrastructures. Using Cisco's Unified Computing System (UCS) Integrated Infrastructure for Big Data offers linear scalability along with operational simplification for single-rack and multiple-rack deployments.

### Prerequisite Comments

The knowledge and skills that a learner should have before attending this course are as follows:  
Familiarity with Cisco Products

### Target Audience

The primary audience for this course is as follows:  
System Engineers  
System Administrators  
Architects  
Channel Partners  
Data Analysts

### Course Objectives

Upon completing this course, you will be able to meet these overall objectives:  
Describe how harnessing the power of your machine data enables you to make decisions based on facts, not intuition or best guesses.  
Reduce the time you spend investigating incidents by up to 90%.  
Find and fix problems faster by learning new technical skills for real world scenarios.  
Get started with Splunk Enterprise, from installation and data onboarding to running search queries to creating simple reports and dashboards.  
Accelerate time to value with turnkey Splunk integrations for dozens of Cisco products and platforms.  
Ensure faster, more predictable Splunk deployments with a proven Cisco Validated Design and the latest Cisco UCS server.

### Course Outline

[Register Online](#)**Schedule**

Class Length: 2 Days

G2R = "Guaranteed to Run" | OLL = "Online LIVE"  
ILT = "Instructor-Led-Training"

*This course is not currently available on the public schedule. Please contact us using the information in the footer below to inquire about future dates or to schedule a private class.*

## 1 - Cisco Integrated Infrastructure for Big Data and Splunk

What is Cisco CPA?  
Architecture benefits for Splunk  
Components of IIBD and relationship to Splunk Architecture  
Cisco UCS Integrated Infrastructure for Big Data with Splunk Enterprise  
Splunk- Big Data Analytics  
NFS Configurations for the Splunk Frozen Data Storage  
NFS Client Configurations on the Indexers

## 2 - Splunk- Start Searching

Chargeback  
Reporting  
Building custom reports using the report builder

## 3 - Application Containers

Understanding Application Containers

## 4 - Understanding Advanced Tasks

Task Library & Inputs  
CLI & SSH Task  
Understanding Compound Tasks  
Custom Tasks

## 5 - Open Automation Troubleshooting

UCS Director Restart  
Module Loading  
Report Errors  
Feature Loading  
Report Registration

## 6 - REST API- Automation

UCS Director Developer Tools  
Accessing REST using a REST client  
Accessing REST using the REST API browser

## 7 - Open Automation SDK

Overview  
Open Automation vs. Custom Tasks  
Use Cases

## 8 - UCS Director PowerShell API

Cisco UCS Director PowerShell Console  
Installing & Configuring  
Working with Cmdlets

## 9 - Cloupia Script

Structure  
Inputs & Outputs  
Design  
Examples

---