

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

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
