



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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**Sie erreichen uns unter**

Arrow ECS GmbH, Elsenheimerstraße 1, 80687 München

Email: [training.ecs.de@arrow.com](mailto:training.ecs.de@arrow.com)

Phone: +49 (0)89 930 99 168



## Developing with Splunk's REST API

**CODE:**

SPL\_DWSRA82

**LÄNGE:**

16 Hours (2 Tage)

**PREIS:**

€1,000.00

### Description

This nine hour course teaches you how to use the Splunk REST API to accomplish tasks interacting with Splunk servers. In this course, you will use curl and Python to send requests to Splunk REST endpoints and will learn how to parse and use the results. The course will show you how to create a variety of objects in Splunk, how to change properties, work with and apply security to Splunk objects, run different types of searches and parse its results, ingest data using the HTTP Event Collector and manipulate collections and KV Stores.

### Lernziel

- Introduction to the Splunk REST API
- Namespaces and Object Management
- Parsing Output
- Oneshot Searching
- Normal and Export Searching
- Advanced Searching and Job Management
- Working with KV Stores
- Using the HTTP Event Collector

### Voraussetzungen

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
- Working with Time
- Statistical Processing

- Search Under the Hood
- Introduction to Knowledge Objects  
Students should also have completed the following course:
- Splunk Enterprise Data Administration (recommended)

## Inhalt

### Module 1 – Introduction to the Splunk REST API

- Use the proper case in searches
- Introduce the Splunk development environment and its REST endpoints
- Know to which Splunk server you should be connected to accomplish a desired task
- Authenticate with a Splunk server, with and without a session

### Module 2 – Namespaces and Object Management

- Understand general CRUD with the REST API
  - Understand how a namespace affects access to objects
  - Use the servicesNS node and a namespace to access objects
  - Understand how the sharing level and access control lists affect access to objects
  - Modify the sharing level and the permissions on an object
  - Using the rest command
- ### Module 3 – Parsing Output

- Understand the general structure of Atom-based output
  - Format Atom-based JSON output
  - Write code that uses the API and parse responses
- ### Module 4 – Oneshot Searches

- Review search language syntax and search best practices
  - Execute a oneshot search
  - Execute an export search
  - Get search results
- ### Module 5–Normal and Export Searching

- Identify types of searches
  - Create normal and export searches
  - Get:
  - Search results
  - Search job status and other search job properties
- ### Module 6 – Advanced Searching and Job Management

- Executing a real time search
  - Working with large results sets
  - Working with saved searches
  - Managing search jobs
- Module 7 – Working with the KV Store

- Define the function of a KV Store
  - Define collections and records
  - Perform CRUD operations on collections and records
- Module 8 – Using the HTTP Event Collector (HEC)

- Create and use HEC tokens
- Input data using HEC endpoints
- Get indexer event acknowledgements

**Kurstermine**

Datum	Lokation	Time Zone	Sprache	Type	Durchführungsgarantie	PREIS
22 May 2024	Virtual Classroom	BST	English	Instructor Led Online		€1,000.00
01 Jul 2024	Virtual Classroom	BST	English	Instructor Led Online		€1,000.00

**Zusätzliche Information**

[Diese Schulung ist auch als Vor-Ort-Schulung verfügbar. Bitte kontaktieren Sie uns, um mehr zu erfahren.](#)