



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

Sie erreichen uns hier

Freistädterstraße 236, A-4040 Linz

Email: education.ecs.at@arrow.com

Phone: +43 1 370 94 40 - 34

| CODE: | LÄNGE: | PREIS: |
|-------------|-------------------|-----------|
| SPL_POWER-U | 32 Hours (4 Tage) | €4,000.00 |

Description

This course is for Splunk Power Users who want to become experts on the following Splunk topics :

Working with Time :

for power users who want to become experts at using time in searches. Topics will focus on searching and formatting time in addition to using time commands and working with time zones.

Statistical Processing :

to identify and use transforming commands and eval functions to calculate statistics on their data. Topics will cover data series types, primary transforming commands, mathematical and statistical eval functions, using eval as a function, and the rename and sort commands.

Comparing Values :

to learn how to compare field values using eval functions and eval expressions. Topics will focus on using the comparison and conditional functions of the eval command, and using eval expressions with the field format and where commands

Result Modification :

to use commands to manipulate output and normalize data. Topics will focus on specific commands for manipulating fields and field values, modifying result sets, and managing missing data. Additionally, students will learn how to use specific eval command functions to normalize fields and field values across multiple data sources.

Correlation Analysis :

to learn how to calculate co-occurrence between fields and analyze data from multiple datasets. Topics will focus on the transaction, append, appendcols, union, and join commands.

Creating Knowledge Objects :

to learn how to create knowledge objects for their search environment using the Splunk web interface. Topics will cover types of knowledge objects, the search-time operation sequence, and the processes for creating event types, workflow actions, tags, aliases, search macros, and calculated fields.

Creating Field Extractions :

to learn about field extraction and the Field Extractor (FX) utility. Topics will cover when certain fields are extracted and how to use the FX to create regex and delimited field extractions.

Data Models :

to learn how to create and accelerate data models. Topics will cover datasets, designing data models, using the Pivot editor, and accelerating data models.

Lernziel

Working with Time Statistical Processing Comparing Values Result Modification Correlation Analysis Creating Knowledge Objects
Creating Field Extractions Data Models

Voraussetzungen

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

How Splunk works
Creating search queries

Prerequisites can be obtain with free elearning :

What is Splunk (SSC) : https://www.splunk.com/en_us/training/courses/what-is-splunk.html

Intro to Splunk (SSC) : https://www.splunk.com/en_us/training/courses/intro-to-splunk.html

Using Fields (SSC) : https://www.splunk.com/en_us/training/courses/using-fields.html

Visualizations (SSC) : https://www.splunk.com/en_us/training/courses/visualizations.html

Intro to Knowledge Objects (SSC) : https://www.splunk.com/en_us/training/courses/intro-to-knowledge-objects.html

Search Under the Hood (SSC) : https://www.splunk.com/en_us/training/courses/search-under-the-hood.html

Or ask Arrow Education Team for Prerequisites Fast Start bundle (SPL_PREREQ)

Inhalt

Working with Time : Module 1 - Searching with Time Understand the `_time` field and timestamps
View and interact with the Event Timeline Use the earliest and latest time modifiers Use the `bin` command with the `_time` field
Module 2 - Formatting Time Use various date and time eval functions to format time Module 3 - Using Time Commands
Use the `timechart` command Use the `timewrap` command Module 4 - Working with Time Zones
Understand how time and timezones are represented in your data Determine the time zone of your server
Use `strftime` to correct timezones in results Statistical Processing : Module 1 - What is a Data Series Introduce data series
Explore the difference between single-series, multi-series, and time series data series Module 2 - Transforming Data
Use the `chart`, `timechart`, `top`, `rare`, and `stats` commands to transform events into data tables
Module 3 - Manipulating Data with eval Command Understand the eval command
Explore and perform calculations using mathematical and statistical eval functions
Perform calculations and concatenations on field values Use the eval command as a function with the `stats` command
Module 4 - Formatting Data Use the `rename` command Use the `sort` command Comparing Values
Module 1 - Using eval to Compare Understand the eval command Explain evaluation functions
Identify and use comparison and conditional functions Use the `fieldformat` command to format field values
Module 2 - Filtering with where Use the `where` command to filter results Use wildcards with the `where` command
Filter fields with the information functions, `isnull` and `isnotnull` Result Modification Module 1 - Manipulating Output
Convert a 2-D table into a flat table with the `untable` command Convert a flat table into a 2-D table with the `xyseries` command
Module 2 - Modifying Result Sets Append data to search results with the `appendpipe` command
Calculate event statistics with the `eventstats` command Calculate "streaming" statistics with the `streamstats` command
Modify values to segregate events with the `bin` command Module 3 - Managing Missing Data
Find missing and null values with the `fillnull` command Module 4 - Modifying Field Values Understand the eval command
Use conversion and text eval functions to modify field values Reformat fields with the `foreach` command
Module 5 - Normalizing with eval Normalize data with eval functions Identify eval functions to use for data and field normalization
Correlation Analysis Module 1 - Calculate Co-Occurrence Between Fields Understand transactions
Explore the transaction command Module 2 - Analyze Multiple Data Sources Understand subsearch
Use the `append`, `appendcols`, `union`, and `join` commands to combine, analyze, and compare multiple data sources
Creating Knowledge Objects Topic 1 – Knowledge Objects & Search-time Operations
Understand role of knowledge objects for enriching data Define search-time operation sequence Topic 2 – Creating Event Types
Define event types Create event types using three methods Tag event types Compare event types and reports
Topic 3 – Creating Workflow Actions Identify what are workflow actions Create a GET, POST, and search workflow action
Test workflow actions Topic 4 – Creating Tags and Aliases Describe field aliases and tags Create field aliases and tags
• Search with field aliases and tags Topic 5 – Creating Search Macros Explain search macros
Create macros with and without arguments Validate macro arguments Use and preview macros at search time
Create and use nested macros Use macros with other knowledge objects Topic 6 – Creating Calculated Fields
Explain calculated fields Create a calculated field Use a calculated field in search Creating Field Extractions
Module 1 - Using the Field Extractor Understand types of extracted fields and when they are extracted
Explore the Splunk Web Field Extractor (FX) Module 2 - Creating Regex Field Extractions
Identify basics of regular expressions (regex) Understand the regex field extraction workflow Edit regex for field extractions
Module 3 - Creating Delimited Field Extractions Identify delimited field values in event data
Understand the delimited field extraction workflow Data Models Module 1 - Introducing Data Model Datasets
Understand data models Add event, search, and transaction datasets to data models Identify event object hierarchy and constraints
Add fields based on eval expressions to transaction datasets Module 2 - Designing Data Models Create a data model
Add root and child datasets to a data model Add fields to data models Test a data model Define permissions for a data model
Upload/download a data model for backup and sharing Module 3 - Creating a Pivot Identify benefits of using Pivot
Create and configure a Pivot Visualize a Pivot Save a Pivot Use Instant Pivot Access underlying search for Pivot
Module 4 - Accelerating Data Models Understand the difference between ad-hoc and persistent data model acceleration
Accelerate a data model Describe the role of `tsidx` files in data model acceleration
Review considerations about data model acceleration

Test und Zertifizierung

Certification : Splunk Core Certified Power User

Weitere Informationen

NOTE: Make sure to complete a module within a 4 hour time range, do not start a module one day and then end the next day)
Network Security Data Intelligence AI Cloud

Kurstermine

| Datum | Lokation | Time Zone | Sprache | Type | Durchführungsgarantie | PREIS |
|-------------|----------|-----------|---------|-----------------------|-----------------------|-----------|
| 24 Feb 2025 | Wien | CET | German | Instructor Led Online | | €4,000.00 |
| 19 May 2025 | Wien | CEDT | German | Instructor Led Online | | €4,000.00 |
| 01 Sep 2025 | Wien | CEDT | German | Instructor Led Online | | €4,000.00 |
| 01 Dec 2025 | Wien | CET | German | Instructor Led Online | | €4,000.00 |

Zusätzliche Information

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