



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

---

**Sie erreichen uns hier**

Freistädterstraße 236, A-4040 Linz

Email: [education.ecs.at@arrow.com](mailto:education.ecs.at@arrow.com)

Phone: +43 1 370 94 40 - 34

| CODE:       | LÄNGE:            | PREIS:    |
|-------------|-------------------|-----------|
| SPL_ARCH-FT | 40 Hours (5 Tage) | €4,000.00 |

## Description

This course focuses on large enterprise deployments.

Students will learn :

- steps and best practices for planning, data collection and sizing for a distributed deployment.
  - topics and techniques for troubleshooting a standard Splunk distributed deployment using the tools available on Splunk Enterprise.
  - troubleshooting experience before attending more advanced courses. You will debug a distributed Splunk Enterprise environment using the live system. case logs.
  - the fundamental knowledge of deploying and managing Splunk Enterprise in a clustered environment. It covers installation, configuration, management, and monitoring of Splunk clusters.
- While Splunk Clusters are supported in Windows environments, the class lab environment is running Linux instances only.  
ONLY for customers with Splunk on-prem

## Lernziel

Architecting Splunk Enterprise Deployments :

Module 1 – Introduction

Overview of the Splunk deployment planning process and associated tools

Module 2 – Project Requirements

Identify critical information about environment, volume, users, and requirements

Review checklists and resources to aid in collecting requirements

Module 3 – Infrastructure Planning: Index Design

Design and size indexes

Estimate storage requirements

Identify relevant apps

Module 4 – Infrastructure Planning: Resource Planning

List sizing factors for servers

Describe how reference hardware is used to scale deployments

Identify the impact of clustering for index replication and for search heads

Module 5 - Clustering Overview

Describe the different clustering capabilities

Introduce the concepts of indexer and search head clustering

Module 6 - Forwarder and Deployment Best Practices

Review types of forwarders

Describe how to manage forwarder installation

Review configuration management for all Splunk components, using Splunk deployment tools

Provide best practices for a Splunk deployment

Module 7 - Integration

Describe integration methods

Identify common integration points

Module 8 – Performance Monitoring and Tuning

Use the Monitoring Console to track test environment performance

List options to fine tune performance for production environment

## Module 9 – Use Cases

Provide example architecture topologies  
Discuss different architecture options based on use case  
Troubleshooting Splunk Enterprise :  
Module 1 – Splunk Troubleshooting Methods and Tools  
Describe the Splunk Troubleshooting Approach  
List Splunk Diagnostic Resources and Tools  
Create and Splunk a Diag  
Use RapidDiag

## Module 2 – Indexing Problems

Discover Splunk deployment Topology and its Server Roles  
Identify Where to Check the Index-Time Pipeline Status  
Use the metrics.log to Clarify the Index-Time Problem

## Module 3 – Input Configuration Problems

Data Input issues  
Troubleshooting Inputs with the Monitoring Console

## Module 4 – Input Deployment Problems

Deployment server issues  
Forwarding and Receiving Issues  
Module 5 – Indexer Cluster Management Administration  
Peer Offline and Decommission

Master App Bundles  
Indexer Cluster Storage Utilization Options  
Site Mapping  
Monitoring Console for Indexer Cluster Environment  
Module 6 – License, Upgrade, and User Management Problems  
Installation Issues  
Upgrade Considerations  
Splunk Licensing Issues  
Splunk Roles and User Management issues

## Module 7 – Search Management Problems

Troubleshoot Distributed Search Issues  
Identify Job Scheduling Problems  
Learn to Diagnose Crashing Problems  
Describe How to Prioritize Resources for Critical Splunk Processes

## Module 7 – KV Store Collection and Lookup Management

Identify the Types of Search Problems  
Isolate and Troubleshoot Search Problems  
Splunk Enterprise Cluster Administration :  
Module 1 – Large-scale Splunk Deployment Overview  
Factors that affecting deployment design  
How Splunk Enterprise can scale  
Splunk License Master

## Module 2 – Single-site Indexer Cluster

How Splunk Single-Site Indexer Clusters Work  
Indexer Cluster Components and Terms  
Splunk Single-Site Indexer Cluster Configuration  
Splunk indexer Cluster Log Channels

## Module 3 – Multisite Indexer Cluster

How Splunk Multi-site Indexer Clusters Work  
Multi-Site Indexer Cluster Terms  
Multi-Site Indexer Cluster Configurations  
Optional Multi-Site Indexer Cluster Configurations

## Module 4 – Indexer Cluster Management and Administration

Peer offline and decommission  
Master app bundles  
Indexer Cluster Storage Utilization Options  
Site Mapping  
Monitoring Console for Indexer Cluster Environment  
Module 5 – Forwarder Management  
Indexer discovery  
Optional Indexer Discovery Configurations

## Volume-Based Forwarder Load Balancing

Module 6 – Search Head Cluster  
Splunk Search Head Cluster Overview  
Search Head Cluster Configuration

Module 7 – Search Head Cluster Management and Administration  
Search Head Cluster Deployer  
Captaincy Transfer  
Search Head Member Addition and Decommissioning  
Monitoring Console for Search Head Cluster

Module 8 – KV Store Collection and Lookup Management  
KV Store Collection in Splunk Clusters  
KV Store Monitoring with Monitoring Console

Module 9 – SmartStore Implementation  
SmartStore Architecture Overview  
Deploy and manage SmartStore

## Voraussetzungen

To be successful, students should have a solid understanding of the following courses:  
Splunk Power User Fast Start  
Splunk Enterprise Administration Fast Start

## Test und Zertifizierung

Splunk Enterprise Certified Architect (Prereq for this cert is the Splunk Core Certified Power User AND Splunk Enterprise Certified Admin)

## Kurstermine

| Datum       | Lokation | Time Zone | Sprache | Type                  | Durchführungsgarantie | PREIS     |
|-------------|----------|-----------|---------|-----------------------|-----------------------|-----------|
| 16 Mar 2026 | Wien     | CET       | German  | Instructor Led Online |                       | €4,000.00 |
| 21 Sep 2026 | Wien     | CEDT      | 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.](#)