



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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**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

SmartStore Architecture Overview

KV Store Monitoring with Monitoring Console    Module 9 – SmartStore Implementation    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
02 Dec 2024	Wien	CET	German	Instructor Led Online		€4,000.00
17 Mar 2025	Wien	CET	German	Instructor Led Online		€4,000.00
28 Jul 2025	Wien	CEDT	German	Instructor Led Online		€4,000.00
08 Sep 2025	Wien	CEDT	German	Instructor Led Online		€4,000.00
15 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.](#)