



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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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.