



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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**Sie erreichen uns hier**

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# Splunk Architect Fast Track

<b>CODE:</b>	<b>LÄNGE:</b>	<b>PREIS:</b>
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 Sep 2024	Wien	CEDT	German	Instructor Led Online		€4,000.00
04 Nov 2024	Wien	CET	German	Instructor Led Online		€4,000.00
02 Dec 2024	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.](#)