# Splunk Enterprise Certified Architect

**The Splunk Enterprise Certified Architect exam is the final step towards completion of the Splunk Enterprise Certified Architect certification.**

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| 85 Questions | Expert-Level | 90* Minutes |

**Total exam time* ***includes 3 minutes*** *to review the* ***exam agreement.***

## Exam Content

The following topics are general guidelines for the content likely to be included on the exam; however, other related topics may also appear on any specific delivery of the exam. In order to better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

### 1.0 Introduction 2%

1.1 Describe a deployment plan
1.2 Define the deployment process

### 2.0 Project Requirements 5%

2.1 Identify critical information about environment, volume, users, and requirements
2.2 Apply checklists and resources to aid in collecting requirements

### 3.0 Infrastructure Planning: Index Design 5%

3.1 Understand design and size indexes
3.2 Estimate non-smart store related storage requirements
3.3 Identify relevant apps

## 4.0 Infrastructure Planning: Resource Planning 7%

4.1 List sizing considerations
4.2 Identify disk storage requirements
4.3 Define hardware requirements for various Splunk components
4.4 Describe ES considerations for sizing and topology
4.5 Describe ITSI considerations for sizing and topology
4.6 Describe security, privacy, and integrity measures

## 5.0 Clustering Overview 5%

5.1 Identify non-smart store related storage and disk usage requirements
5.2 Identify search head clustering requirements

## 6.0 Forwarder and Deployment Best Practices 6%

6.1 Identify best practices for forwarder tier design
6.2 Understand configuration management for all Splunk components, using Splunk deployment tools

## 7.0 Performance Monitoring and Tuning 5%

7.1 Use limits.conf to improve performance
7.2 Use indexes.conf to manage bucket size
7.3 Tune props.conf
7.4 Improve search performance

## 8.0 Splunk Troubleshooting Methods and Tools 5%

8.1 Splunk diagnostic resources and tools

## 9.0 Clarifying the Problem 5%

9.1 Identify Splunk’s internal log files
9.2 Identify Splunk’s internal indexes

## 10.0 Licensing and Crash Problems 5%

10.1 License issues
10.2 Crash issues

## 11.0 Configuration Problems 5%

11.1 Input issues

## 12.0 Search Problems 5%

12.1 Search issues
12.2 Job inspector

## 13.0 Deployment Problems 5%

13.1 Forwarding issues
13.2 Deployment server issues

## 14.0 Large-scale Splunk Deployment Overview 5%

14.1 Identify Splunk server roles in clusters
14.2 License Master configuration in a clustered environment

## 15.0 Single-site Indexer Cluster 5%

15.1 Splunk single-site indexer cluster configuration

## 16.0 Multisite Indexer Cluster 5%

16.1 Splunk multisite indexer cluster overview
16.2 Multisite indexer cluster configuration
16.3 Cluster migration and upgrade considerations

## 17.0 Indexer Cluster Management and Administration 7%

17.1 Indexer cluster storage utilization options
17.2 Peer offline and decommission
17.3 Master app bundles
17.4 Monitoring Console for indexer cluster environment

## 18.0 Search Head Cluster 5%

18.1 Splunk search head cluster overview
18.2 Search head cluster configuration

## 19.0 Search Head Cluster Management and Administration 5%

19.1 Search head cluster deployer
19.2 Captaincy transfer
19.3 Search head member addition and decommissioning

## 20.0 KV Store Collection and Lookup Management 3%

20.1 KV Store collection in Splunk clusters

## Exam Preparation

Candidates may reference the Splunk How-To YouTube Channel, Splunk Docs, and draw from their own Splunk experience to prepare for the exam.

**The prerequisite courses and labs for this certification are**:

□ Architecting Splunk Enterprise Deployments

□ Troubleshooting Splunk Enterprise

□ Splunk Enterprise Cluster Administration

□ Splunk Enterprise Deployment Practical Lab

**The prerequisite exams for this certification are:**

- ☐ Splunk Core Certified Power User
- ☐ Splunk Enterprise Certified Admin

The prerequisite courses and exams can also be found in the **Enterprise Certified Architect Learning Path**.

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