

VMware vSAN: Plan and Deploy V7

This two-day, hands-on training course provides you with the knowledge, skills, and tools to plan and deploy a VMware vSAN™ cluster. In this course, you are taught the many considerations that the vSAN configuration has on the initial planning of the vSAN datastore. You also manually configure a vSAN cluster.

Course Contents

- Course Introduction
- Introduction to vSAN
- Planning a vSAN Cluster
- Deploying a vSAN Cluster
- vSAN Storage Policies
- Introduction to Advanced vSAN Configurations
- vSAN Stretched and Two-Node Clusters

E-Book You will receive the documentation of VMware in English language as an e-book.

Target Group

- Experienced VMware vSphere® administrators

Prerequisites

You should have the following understanding or knowledge:

- Understanding of concepts presented in the VMware vSphere: Install, Configure, Manage course
- Knowledge of basic storage concepts
- Experience using vSphere Client to perform administrative tasks on vSphere clusters

This Course in the Web



You can find the up-to-date information and options for ordering under the following link:

www.expertech-training.com/go/VSPD

Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

Status 05/07/2025

Training		Prices, excl. of V.A.T.
Classes in Germany	2 Days	€ 1,395
Online Training	2 Days	€ 1,395
Date/course venue		Course language German
21/07-22/07/25	München	06/10-07/10/25 Hamburg
21/07-22/07/25	Online	06/10-07/10/25 Online



Table of Contents

VMware vSAN: Plan and Deploy V7

1 Course Introduction

Introductions and course logistics

Course objectives

2 Introduction to vSAN

Describe vSAN architecture

Describe the advantages of object-based storage

Describe the difference between All-Flash and Hybrid vSAN architecture

Explain the key features and use cases for vSAN

Discuss the vSAN integration and compatibility with other VMware technologies

Identify vSAN objects and components

Describe a vSAN object

Describe how objects are split into components

Explain the purpose of witness components

Explain how vSAN stores large objects

View object and component placement on the vSAN datastore

3 Planning a vSAN Cluster

Identify requirements and planning considerations for vSAN clusters

Apply vSAN cluster planning and deployment best practices

Determine and plan for storage consumption by data growth and failure tolerance

Design vSAN hosts for operational needs

Identify vSAN networking features and requirements

Describe ways of controlling traffic in a vSAN environment

Recognize best practices for vSAN network configurations

4 Deploying a vSAN Cluster

Deploy and configure a vSAN cluster using the Cluster QuickStart wizard

Manually configure a vSAN cluster using vSphere Client

Explain and configure vSAN fault domains

Using VMware vSphere® High Availability with vSAN

Understand vSAN cluster maintenance capabilities

Describe the difference between implicit and explicit fault domains

Create explicit fault domains

5 vSAN Storage Policies

Explain how storage policies work with vSAN

Explain the role of storage policies in planning a vSAN cluster

Define and create virtual machine storage policies

Apply and modify virtual machine storage policies

Change virtual machine storage policies dynamically

Identify virtual machine storage policy compliance status

6 Introduction to Advanced vSAN Configurations

Define and configure compression and deduplication in the vSAN cluster

Define and configure encryption in the vSAN cluster

Understand the remote vSAN datastore topology

Identify the operations involved in managing the remote vSAN datastore

Configure the vSAN iSCSI target service

7 vSAN Stretched and Two-Node Clusters

Describe the architecture and use cases for stretched clusters

Detail the deployment and replacement of a vSAN witness node

Describe the architecture and use cases for two-node clusters

Explain the benefits of vSphere HA and VMware Site Recovery Manager™ in a vSAN stretched cluster

Explain storage policies for vSAN stretched cluster

