# Planning and Deploying SAP on Azure (AZ-120T00) Training

Duration: **3 Day**

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**Planning and Deploying SAP on Azure (AZ-120)** is a specialized training program designed for IT professionals responsible for migrating, deploying, and managing **SAP workloads on Microsoft Azure**. The course provides practical guidance on planning, implementing, and operating SAP environments within Azure infrastructure while ensuring performance, scalability, and security.

Participants will gain hands-on experience with **SAP on Azure**, **Azure Infrastructure as a Service (IaaS)**, **Azure Virtual Machines**, **Azure Networking**, **Azure Storage**, **Azure Active Directory (Azure AD)**, and **SAP Workload Migration** strategies. Through real-world scenarios and practical labs, learners will develop the skills required to successfully deploy and manage enterprise SAP environments in the cloud.

The course also covers critical operational areas including **High Availability**, **Disaster Recovery**, identity management, monitoring, and performance optimization.

## Prerequisites

Participants should ideally have:

- Experience working with SAP solutions
- Basic to intermediate knowledge of **Microsoft Azure**
- Understanding of networking, storage, and virtualization technologies
- Experience with cloud infrastructure and system administration

## Who Should Attend

This course is ideal for:

- **Azure Administrators**
- **Cloud Administrators**
- **SAP Basis Consultants**
- **Infrastructure Engineers**
- **Cloud Architects**
- **Systems Engineers**
- IT professionals managing SAP environments on Azure
- Cloud migration specialists

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## What You Will Learn

By the end of this course, learners will be able to:

- Understand the architecture of **SAP Workloads on Azure**.
- Plan and deploy SAP environments within Azure infrastructure.
- Configure **Azure Virtual Machines**, networking, and storage for SAP solutions.
- Implement identity and access management using **Azure Active Directory**.
- Design **High Availability** and **Disaster Recovery** solutions for SAP systems.
- Migrate SAP workloads to Azure efficiently.
- Monitor and troubleshoot SAP environments running on Azure.
- Evaluate licensing, pricing, and operational costs.

## Training Outline

### Exploring SAP Workloads on Azure

- Introduction to **SAP on Azure**
- SAP and Azure terminology
- SAP-certified Azure configurations
- **SAP NetWeaver** on Azure
- **SAP S/4HANA** on Azure
- Azure services for SAP workloads

### Foundations of Azure IaaS for SAP

#### Azure Compute

- **Azure Virtual Machines**
- Compute resources for SAP
- VM sizing and performance planning
- Scaling strategies

#### Azure Networking

- Virtual network architecture
- **Azure Virtual Network (VNet)**
- Network security design
- Hybrid connectivity solutions
- SAP RISE networking concepts

#### Azure Storage

- Azure storage services
- SAP storage strategies
- Capacity and performance planning

#### Azure Databases

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- SAP database platforms
- Database performance optimization
- Enterprise database management

## Identity and Governance for SAP on Azure

- **Azure Active Directory (Azure AD)**
- Hybrid identity management
- **Role-Based Access Control (RBAC)**
- Remote management tools
- Governance and compliance policies
- Operational management practices

## Deploying SAP on Azure

- Single-instance SAP deployments
- Two-tier and three-tier architectures
- SAP NetWeaver implementations
- **Azure Center for SAP Solutions**
- SAP deployment best practices

## Business Continuity and Disaster Recovery

- **High Availability (HA)** solutions
- SAP redundancy strategies
- **Disaster Recovery (DR)** planning
- Azure backup solutions
- Recovery procedures
- Business continuity management

## Migrating SAP Workloads to Azure

- Migration planning processes
- SAP deployment checklists
- Azure migration methodologies
- **Very Large Database (VLDB)** migrations
- SAP modernization strategies

## Monitoring and Troubleshooting SAP on Azure

- Monitoring requirements for SAP workloads
- **Azure Monitor**
- **Azure Enhanced Monitoring Extension for SAP**
- Performance monitoring and analysis
- Troubleshooting methodologies
- Operational visibility

## Licensing, Pricing, and Support

- SAP licensing models
- Azure cost optimization
- Pricing considerations
- Microsoft and SAP support services

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- Operational best practices