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

Duration: 3 days
Audience: Professionnel TI

Who is this training for?

This course is for Azure Administrators who migrate and manage SAP solutions on Azure. Azure Administrators manage the cloud services that span storage, networking, and compute cloud capabilities, with a deep understanding of each service across the full IT lifecycle. They take end-user requests for new cloud applications and make recommendations on services to use for optimal performance and scale, as well as provision, size, monitor and adjust as appropriate. This role requires communicating and coordinating with vendors. Azure Administrators use the Azure Portal and as they become more proficient they use PowerShell and the Command Line Interface.

Training objectives

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

- Migrate SAP workloads to Azure

  Design and implement an infrastructure to support SAP workloads on Azure
- Design and implement high availability and disaster recovery (HA/DR)
- Maintain SAP workloads on Azure

Summary

This course teaches IT Professionals experienced in SAP solutions how to leverage Azure resources that include deployment and configuration of virtual machines, virtual networks, storage accounts, and Azure AD that includes implementing and managing hybrid identities. Students of this course will learn through concepts, scenarios, procedures, and hands-on labs how to best plan and implement migration and operation of an SAP solution on Azure. Your will receive guidance on subscriptions, create and scale virtual machines, implement storage solutions, configure virtual networking, back up and share data, connect Azure and on-premises sites, manage network traffic, implement Azure Active Directory, secure identities, and monitor your solution.

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Course outline

Learning Path 1 — Explore Azure for SAP workloads

- Module 1 — Explore Azure for SAP workloads
- Module 2 — Discover common terms and meanings for SAP on Azure
- Module 3 — Identify SAP certified configurations
- Module 4 — Examine SAP NetWeaver with AnyDB on Azure VMs
- Module 5 — Examine SAP S/4HANA on Azure VMs

Learning Path 2 — Explore the foundations of IaaS

- Module 1 — Explore Azure for SAP compute
- Module 2 — Explore Azure for SAP networking
- Module 3 — Explore Azure for SAP storage
- Module 4 — Explore Azure for SAP databases

Learning Path 3 — Explore the foundations of identity and governance

- Module 1 — Explore identity services for SAP on Azure
- Module 2 — Explore remote management for SAP on Azure
- Module 3 — Explore governance and manageability for SAP on Azure

Learning Path 4 — Deploy SAP on Azure

- Module 1 — Deploy single instance implementations of SAP on Azure (2 tier and 3 tier)
- Module 2 — Implement HA SAP NetWeaver with AnyDB on Azure VMs
- Module 3 — Explore Azure Center for SAP solutions

Learning Path 5 — Ensure business continuity and implement disaster recovery for SAP solutions on Azure

- Module 1 — Implement high availability for SAP workloads in Azure
- Module 2 — Implement disaster recovery for SAP workloads in Azure
- Module 3 — Perform backups and restores for SAP workloads on Azure

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Learning Path 6 — Migrate SAP workloads to Azure

- Module 1 — Use the planning and deployment checklist for SAP workloads on Azure
- Module 2 — Explore migration options for SAP on Azure
- Module 3 — Migrate very large databases (VLDB) to Azure for SAP

Learning Path 7 — Monitor and troubleshoot Azure for SAP workloads

- Module 1 — Explore monitoring requirements of Azure for SAP workloads
- Module 2 — Configure the Azure Extension for SAP
- Module 3 — Explore licensing, pricing, and support for SAP on Azure virtual machines

Approach and methodology

Practical and structured approach combining focused theory and guided workshops. Participants plan and progressively deploy SAP solutions in Azure through real-world exercises inspired by business scenarios, promoting immediate application of learnings.

They learn how to design adapted architectures, migrate SAP environments and optimize performance, availability and security on Azure.

Led by a Microsoft certified trainer, the training focuses on interactivity and the development of directly transferable technical skills to deploy and administer SAP in the cloud in a professional context.

Prerequisites

Students should have the Following knowledge and experience before attending this course:

- Understanding of on premises and cloud virtualization technologies, including VMs, virtual networking, and virtual hard disks
- Understanding of network configuration, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies
- Understanding of Active Directory concepts
- Experience with Linux/Unix environments
- Understanding of SAP HANA deployment and configuration

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- Hands on experience with SAP HANA administration

Recommendations

Review: SAP Architecture Basics Cloud Infrastructure (IaaS) Concepts

Familiarize With: Microsoft Azure Portal Compute, Network, and Storage Services

Identify your Goals: SAP Migration to the Cloud Optimization of Legacy High Availability and Performance Environments

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