Fundamentals of Azure Landing Zones and Networking

HIGHLIGHTS

- Comprehensive understanding of Azure Landing Zone deployment and its components.
- Practical lab experience setting up Hub and Spoke networking architecture in Azure.
- Best practices for designing secure and scalable Azure infrastructures.
- Hands-on labs for deploying Azure Landing Zones.
- Design sessions to examine Azure Landing Zone and Hub and Spoke networking requirements and considerations.

ABOUT DAYMARK

Daymark Solutions excels in creating sophisticated technology solutions, specializing in addressing complex business challenges through expertly designed systems. Their highly skilled architects are adept at crafting well-architected solutions that seamlessly integrate cloud and data center technologies. By combining these technologies, they create robust, scalable and secure systems tailored to meet their clients' unique needs.

Fast track your journey to the cloud with Microsoft Azure landing zones.

OVERVIEW

You will learn the foundational concepts and best practices necessary to set up scalable, secure, and well-governed Azure environments. The workshop begins with a focus on understanding key concepts such as governance, security, identity, networking, and management. Additionally, you will learn essential design topics, how to deploy an Azure Landing Zone and review the key components of Hub and Spoke network architecture.

Organizations are placing greater emphasis on standardization, agility, security, efficiency and operational excellence; these requirements make Azure Landing Zones an essential part of infrastructure planning and deployment. As workloads grow and flexibility becomes essential, scalable solutions like Azure Landing Zones offer pre-configured environments that allow IT teams to expand resources efficiently.

This workshop will examine foundational concepts and best practices for setting up scalable, secure, and well-governed Azure environments. Participants will review two critical components of a well-architected Azure environment: the deployment of an Azure Landing Zone and the implementation of Hub and Spoke networking architecture. This workshop combines explicit knowledge, hands-on exercises, design sessions, and a detailed review of a hypothetical Azure environment to ensure participants are equipped to design and deploy scalable, secure, and compliant Azure environments. Participants will experience an in-depth look into Azure Landing Zones, including their purpose, key components (governance, security, identity, networking, and management), and best practices for designing and deploying a scalable and secure Azure environment.

LEARNING OBJECTIVES

At the completion of the engagement, participants will:

- Understand the purpose, structure, and benefits of an Azure Landing Zone within a well-architected Azure environment.
- Acquire hands-on experience deploying Azure Landing Zones and configuring key components for security and compliance.
- Learn to design and implement Hub and Spoke networking architectures, including VNets, NSGs, and Azure Route Tables.

AGENDA

Session 1: Azure Landing Zone Review & Deployment.

- **Duration:** Up to 8 Hours
- **Objective:** Gain insights into optimizing Azure environments and establish a secure, scalable Azure Landing Zone foundation.
- **Activites:**
  - Review infrastructure to identify gaps and improvement areas.
  - Define session objectives based on the current state.
  - Understand key components (governance, security, networking) and best practices.
  - Deploy a Landing Zone, setting up management groups, policies, RBAC, and monitoring.

Session 2: Hub & Spoke Networking Deployment.

- **Duration:** Up to 8 Hours
- **Objective:** Understand and deploy a Hub and Spoke network architecture, optimizing for security and performance
- **Activities:**
  - Understand how networking fits into a Landing Zone.
  - Explore Hub and Spoke model benefits, VNets, NSGs, and Azure Bastion.
  - Configure Hub VNet, Spoke VNets, peering, Azure Bastion, and routing.
  - Discuss optimal configurations and finalize a draft network architecture plan.

Learn more about Daymark Solutions, visit **www.daymarksi.com**

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