



Fundamentals of Microsoft Azure Platform as a Service

HIGHLIGHTS

- Comprehensive understanding of IaaS vs. PaaS in Azure.
- Best practices for managing Azure PaaS services to enhance scalability and cost-efficiency.
- Strategies for a smooth and efficient transition from IaaS to PaaS.
- Insights into optimizing performance and security with Azure PaaS solutions.

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.

Increase performance, scalability and redundancy with Microsoft's Platform as a Service offerings.

OVERVIEW

Your team will gain the knowledge and expertise needed to modernize Microsoft Azure infrastructure by transitioning from IaaS to PaaS. This workshop is divided into two focused sessions, each offering hands-on experience in managing essential PaaS solutions within Microsoft Azure.

Businesses are increasingly shifting from Infrastructure as a Service (IaaS) to Platform as a Service (PaaS) due to the simplified deployment, management, and cost efficiencies that PaaS offers. By providing pre-configured development environments and automated scalability, PaaS reduces the burden of infrastructure management, enabling companies to optimize resources and focus on business priorities rather than infrastructure maintenance.

The workshop begins with an introduction to Azure modernization, highlighting the key differences between IaaS and PaaS, and discussing the benefits of moving to PaaS, such as improved scalability, cost savings, and reduced management complexity. Real-world examples and case studies will offer insights into successful transitions.

Participants will also explore Azure Virtual Desktop (AVD) as a modern alternative to traditional virtual machines; learning best practices for managing and scaling AVD. The second session will cover Azure Web App, Azure SQL Server, and Azure File Share, with a focus on practical demonstrations, management strategies, and best practices for optimizing these services within a PaaS environment.

LEARNING OBJECTIVES

At the completion of the engagement, participants will:

- Comprehensive understanding of the differences between IaaS and PaaS and the benefits of transitioning to PaaS within Azure.
- Practical knowledge of managing and optimizing Azure Virtual Desktop (AVD), Azure Web App, Azure SQL Server, and Azure File Share.
- Insights into best practices for scaling and optimizing Azure PaaS services.
- Strategic considerations for planning and executing a successful transition from IaaS to PaaS.
- Knowledge of performance optimization and security best practices for Azure PaaS services

AGENDA

Session 1: Azure Modernization & Azure Virtual Desktop

- **Duration:** Up to 8 Hours
- **Objective:** Introduce foundational Azure modernization concepts by differentiating IaaS and PaaS and exploring Azure Virtual Desktop (AVD) as a scalable, cost-effective solution for virtualized environments.
- **Activities:**
 - Understand the key differences between IaaS and PaaS.
 - Explore the benefits of transitioning to PaaS: scalability, cost-efficiency, and reduced management overhead.
 - Introduction to AVD as a modern alternative to traditional virtual machines.
 - Learn best practices for managing and scaling AVD.
 - Deploy AVD, configure user settings, and manage scaling.

Session 2: Exploring Azure Web App, Azure SQL Server, and Azure File Share

- **Duration:** Up to 8 Hours
- **Objective:** Build hands-on expertise in Azure's PaaS offerings by exploring Azure Web App, Azure SQL Server, and Azure File Share, focusing on efficient management, security, and performance optimization for modern business needs.
- **Activities:**
 - Demonstration of migrating data from Azure Virtual Machines to Azure File Share.
 - Set up Azure File Share and explore its functionality.
 - Introduction to Azure Web App for hosting web applications.
 - Set up Azure Web App, configure deployment settings, and optimize performance.
 - Introduction to Azure SQL Server as a PaaS database solution.
 - Learn how to manage and optimize Azure SQL databases for cost-efficiency and performance.

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