Team Presentation

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What the project solves ?

Scalability

Azure App Service Provides auto-scaling to handle traffic variations efficiently.

Maintenance

Cloud-Based Hosting reduces operational costs by eliminating physical infrastructure needs.

Security

Microsoft Entra Authentication enhances security with identity and access management.

Reliability

High Availability & Redundancy in Azure ensures minimal downtime and disaster recovery options.

Management

Automated Management & Monitoring with Azure tools simplifies updates and performance tracking.

Accessibility

Cloud Accessibility allows secure remote access from anywhere, improving productivity and collaboration.

Week one process

" Creating the source environment on Azure "

Creating a "VM" on Azure	Landing on "WS 2022"	Scaling Availability
A fully configured VM with IIS services ready to host the "on-premises" website.	Windows Server 2022 image with IIS (Internet Information Services) enabled.	Three fault domains and two update domains for high availability.

Week two process

" Building the Landing Zone Website "

Creating an Azure App Service

Scaling Out

Verifying Reachability

Standard Plan (Standard S1) and ASP.NET 4.8 framework and using Microsoft Entra authentication for secure access .

Manual scaling with a maximum of three instances for flexibility.

Verified website reachability from a local machine.

Thanks!