Running Web Applications and APIs in Azure



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Overview



Understanding App Service Concepts
Selecting an App Service Plan
Creating App Services
Considering App Service Environments



What is a Cloud?







Infrastructure as a Service

Platform as a Service

Software as a Service



Azure App Service is a PaaS Offering







Infrastructure as a Service

Platform as a Service

Software as a Service



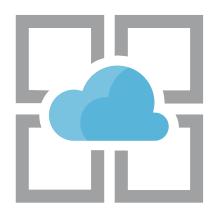
Azure App Service



App Service Plan



App Service



App Service Environments



App Service Plan



Determines hosting model and scale

Conditional feature selection

Contains varying instance size options



Plans Determine Hosting



Free / Shared

Shared compute with other customers



Basic / Standard / Premium

Isolated compute + shared network



Isolated

Isolated compute and network



Features by Plan

	Free	Shared	Basic	Standard	Premium	Isolated
SSL			$\langle \langle \rangle$	$\langle \langle \rangle$		
Custom Domain						
Deployment Slots						
Auto Scale						
Max Instances			3	10	30	100
Apps	10	100	Unlimited	Unlimited	Unlimited	Unlimited



Is An App Service Plan a Web Server?



Ability to host multiple sites

Determines host specs

But can also scale to multiple instances

Is An App Service Plan a Web Farm?



Easily add and remove duplicate instances

Load balancing across instances

But easily scale instance size up or down

But automatic healing, code deployment and seemingly limitless resources



App Service



Underlying operating system

Deployment model (code/container)

Site configuration (settings, TLS, domain)



App Service Environment



Isolated environment for hosting at scale

Useful for organizations with many sites

Base cost + isolated app service plans



Summary



App Service Plans are flexible

App Services host code or containers

App Service Environments for large scale

