

# 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			✓	✓	✓	✓
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**

