



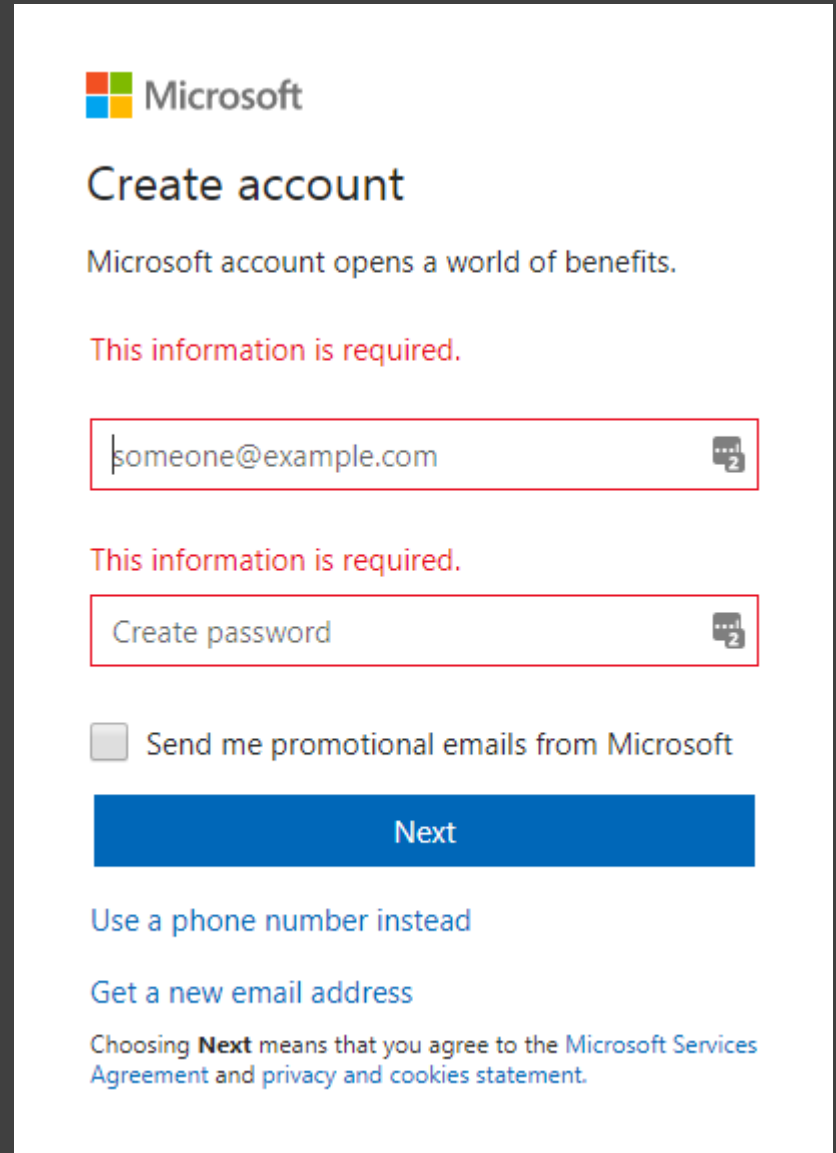
# Microsoft Azure - Setup

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# Create Microsoft Live account

- Sign up: <https://signup.live.com>



The screenshot shows the Microsoft account creation interface. At the top is the Microsoft logo. Below it is the heading 'Create account' followed by the text 'Microsoft account opens a world of benefits.' A red error message 'This information is required.' is displayed above the email input field, which contains 'someone@example.com'. Another red error message 'This information is required.' is displayed above the password input field, which contains the placeholder text 'Create password'. Below these fields is a checkbox labeled 'Send me promotional emails from Microsoft'. A blue 'Next' button is positioned below the checkbox. At the bottom, there are two links: 'Use a phone number instead' and 'Get a new email address'. A footer note states: 'Choosing **Next** means that you agree to the Microsoft Services Agreement and privacy and cookies statement.'

 Microsoft

## Create account

Microsoft account opens a world of benefits.

This information is required.

This information is required.

☐ Send me promotional emails from Microsoft

[Next](#)


[Use a phone number instead](#)

[Get a new email address](#)

Choosing **Next** means that you agree to the [Microsoft Services Agreement](#) and [privacy and cookies statement](#).



# Sign up for Azure



Home | Help | English

Hello, PEKMIL


Product Search

Faculty/Staff

Microsoft Imagine Premium VMware More Software

Software

Microsoft Azure for Students - Microsoft Imagine



Manufacturer: Microsoft Corporation

Delivery Type: Custom Delivery

Available to: Academic Users

Free

Add to Cart

Are you eligible?

## Create your Azure free account today

Get started building your next great idea with Azure

Start free

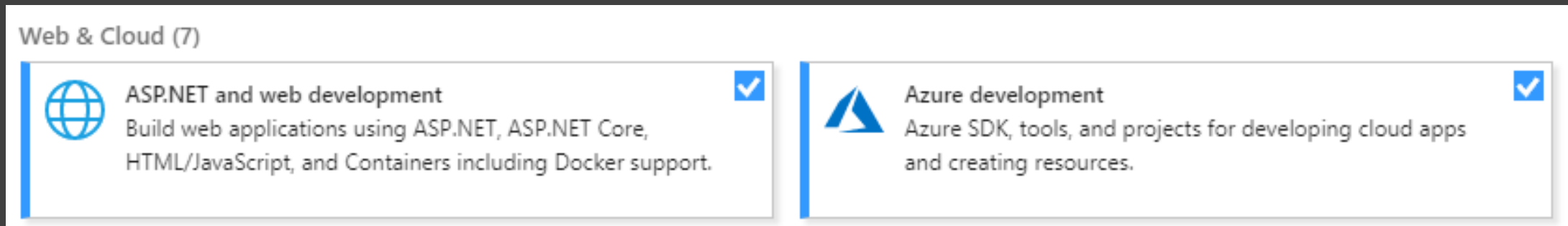
Or buy now



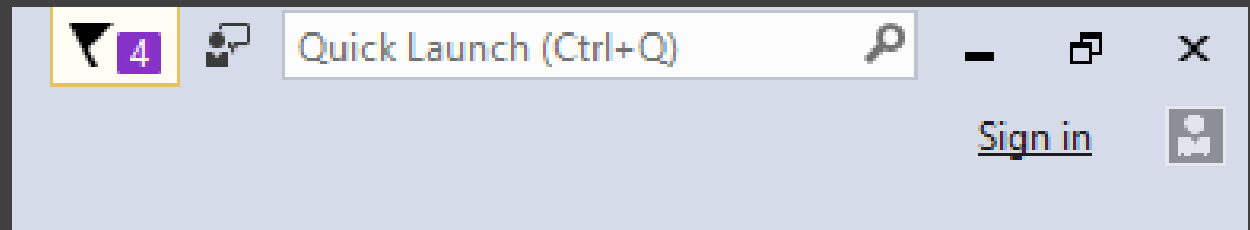


# Install Visual Studio 2017

- Tools > Get Tools and Features...
  - Web & Cloud
    - ASP.NET and web development
    - Azure development



- Sign in from Visual Studio





# Azure portal

- <https://portal.azure.com>

Microsoft Azure

Search resources, services and docs

pekmi@freemail.hu  
ALAPÉRTELMEZETT CÍMTÁR

Irányítópult

+ New dashboard Edit dashboard Share Fullscreen Clone Delete

All resources  
ALL SUBSCRIPTIONS

Refresh

AzureTestPlan	App Service plan
pekmi@storage	Storage account
pekmi@az-db	SQL database
AzureTestSql-pekmi	App Service
pekmi@az-dbserver	SQL server
AzureTest-pekmi	App Service

Azure getting started made easy!

Launch an app of your choice on Azure in a few quick steps

Create DevOps Project

Quickstart tutorials

Windows Virtual Machines  
Provision Windows Server, SQL Server, SharePoint VMs

Linux Virtual Machines  
Provision Ubuntu, Red Hat, CentOS, SUSE, CoreOS VMs

App Service  
Create Web Apps using .NET, Java, Node.js, Python, PHP

Functions  
Process events with a serverless code architecture

SQL Database  
Managed relational SQL Database as a Service

Service Health

Marketplace

Dashboard

All resources

Resource groups

App Services

Function Apps

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Storage accounts

Virtual networks

Azure Active Directory

Monitor

Advisor

Security Center

Cost Management + Billing

Help + support



# Azure portal – Create resource group

- Resource groups > Add

Home > Resource groups > Resource group


## Resource groups

Alapértelmezett címtár

**+ Add** Edit columns More

Filter by name...

NAME ↑↓



No resource groups to display

Try changing your filters if you don't see what you're looking for. [Learn more](#)

**Create resource group**

## Resource group

Create an empty resource group

\* Resource group name  
AzureTestResourceGroup ✓

\* Subscription  
Ingyenes próba

\* Resource group location  
West Europe

**Create**



# Azure portal – Create app service plan

- App Service plans > Add

The screenshot shows the 'Create App Service plan' wizard in the Azure portal. The left sidebar shows the 'App Service plans' list with a 'Create App Service plans' button. The central panel is titled 'New App Service Plan' and contains the following configuration options:

- App Service plan:** AzureTestServicePlan
- Subscription:** Ingyenes próba
- Resource Group:** AzureTestResourceGroup (Use existing)
- Operating System:** Windows
- Location:** West Europe
- Pricing tier:** S1 Standard

The right panel, titled 'Choose your pricing tier', displays a table of available plans and their features:

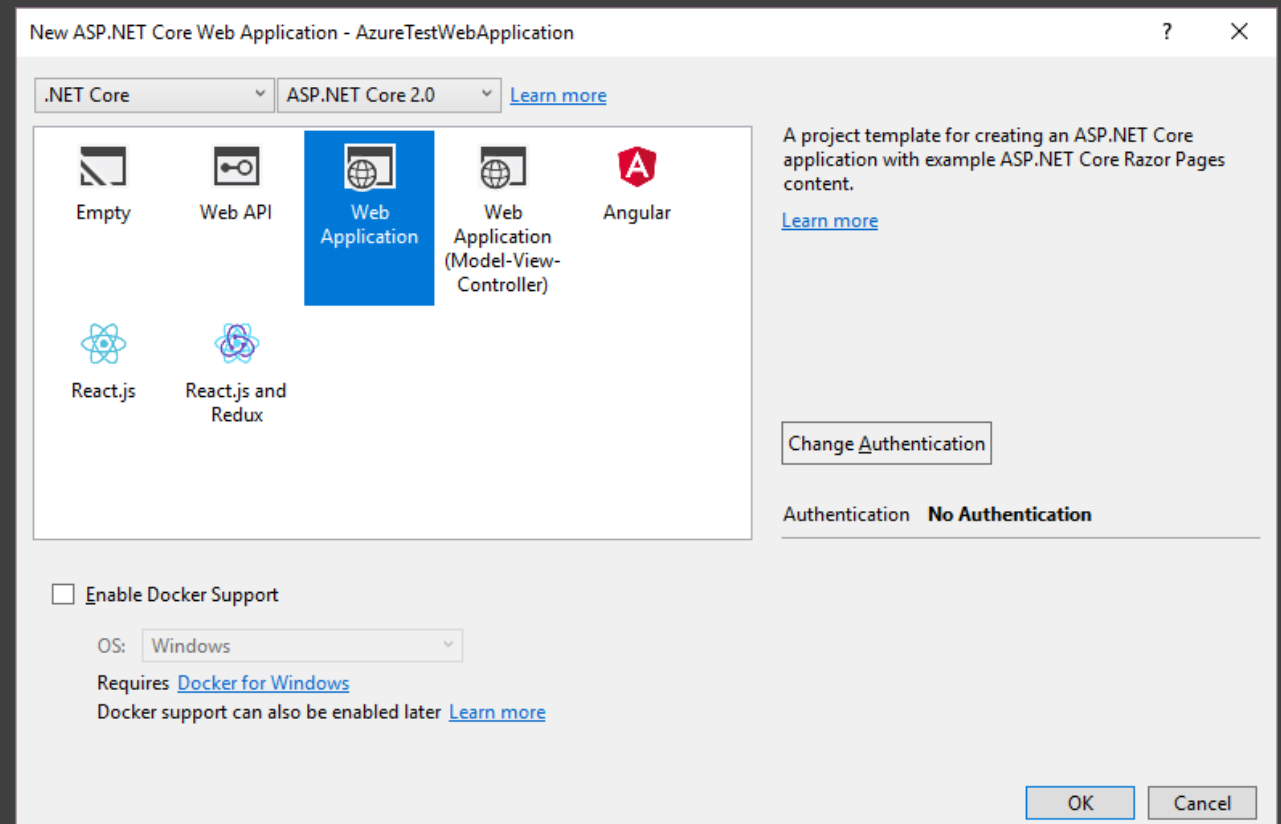
Plan	Core	RAM	Storage	Custom domains	SSL Support	Instances	Price (EUR/MONTH)
B1 Basic	1	1.75 GB	10 GB	Yes	Yes	Up to 3	47,06
B2 Basic	2	3.5 GB	10 GB	Yes	Yes	Up to 3	94,11
B3 Basic	4	7 GB	10 GB	Yes	Yes	Up to 3	188,22
F1 Free	-	-	1 GB	Yes	Yes	Up to 1	0,00
D1 Shared*	-	-	1 GB	Yes	Yes	Up to 1	8,16

The 'F1 Free' plan is highlighted with a blue border. The 'D1 Shared\*' plan is also visible. The 'Select' button is at the bottom right of the pricing tier panel.



# Hello Cloud! Sample application

- Open Visual Studio 2017
- File > New > Project...
- Visual C# > .NET Core > ASP.NET Core Web Application

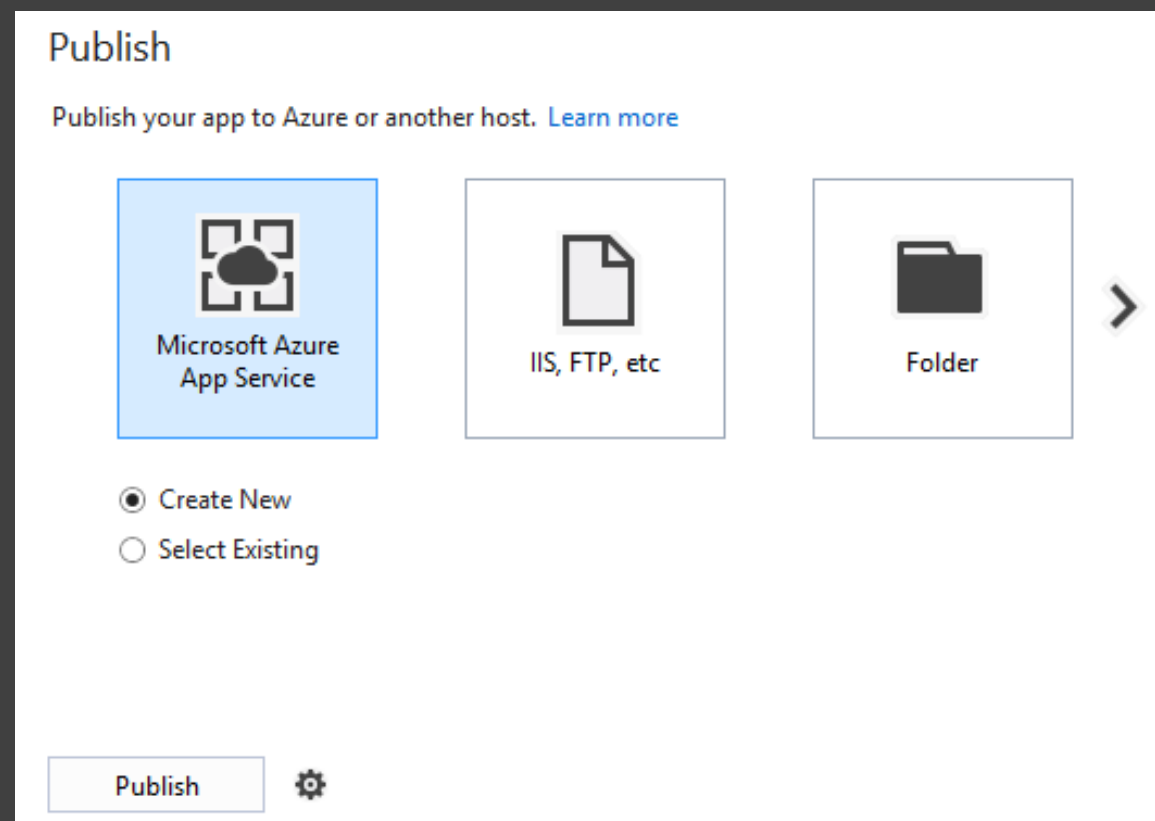






# Hello Cloud! Sample application

- Right click on the Web application project
- Click Publish...
- Select Microsoft Azure App Service





# Hello Cloud! Sample application

×

## Create App Service

Host your web and mobile applications, REST APIs, and more in Azure

Microsoft account  
pekml@freemail.hu

Hosting

Services

App Name

Change Type ▼

AzureTestWebApplication

Subscription

Ingyenes próba ▼

Resource Group

AzureTestResourceGroup (westeurope) ▼

New...

App Service Plan

AzureTestServicePlan (F1, West Europe) ▼

New...

Clicking the Create button will create the following Azure resources

[Explore additional Azure services](#)

App Service - AzureTestWebApplication

If you have removed your spending limit or you are using Pay as You Go, there may be monetary impact if you provision additional resources.  
[Learn More](#)

Export...

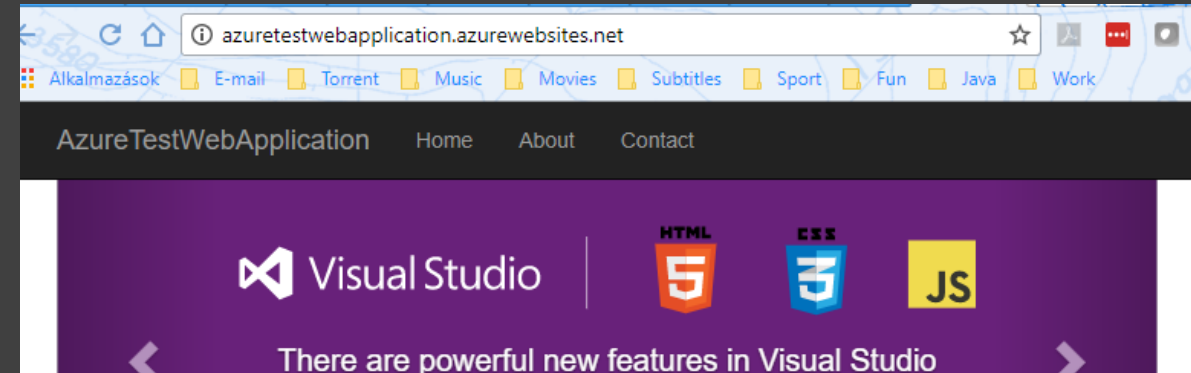
Create

Cancel



# Hello Cloud! Sample application

- After successful publish we have:
  - A working application in the cloud,
  - An App Service in the Azure portal



**App Services**  
Alapértelmezett című

**AzureTestWebApplication**  
App Service

**Stopped**

Resource group (change)  
[AzureTestResourceGroup](#)

Status  
Stopped

Location  
West Europe

Subscription (change)  
[Ingyenes próba](#)

Subscription ID  
2eb23942-4197-4b8e-b641-67f23b51bc53

URL  
<https://azuretestwebapplication.azurewebsites.net>

App Service plan/pricing tier  
[AzureTestServicePlan \(Free: 0 Small\)](#)

FTP/deployment username  
No FTP/deployment user set

FTP hostname  
<ftp://waws-prod-am2-173.ftp.azurewebsites.windows.net>

FTPS hostname  
<ftps://waws-prod-am2-173.ftp.azurewebsites.windows.net>

**Http 5xx**

100  
80  
60  
40  
20  
0

8:30 PM 8:45 PM 9 PM 9:15 PM

HTTP SERVER ERRORS 0

**Data In**

3MB  
2.5MB  
2MB  
1.5MB  
1MB  
0.5MB  
0MB

8:30 PM 8:45 PM 9 PM 9:15 PM

DATA IN 2.66 MB




# Exercise 1

1. Modify the Contact page to contain your information,
2. Modify the About page to contain information about yourself,
3. Republish your application to Azure,
4. Check the modifications in the live app.

### Publish


Publish your app to Azure or another host. [Learn more](#)

 AzureTestWebApplication - Web Deploy ▼

Publish

[Create new profile](#)

### Summary

Site URL	<a href="http://azuretestwebapplication.azurewebsites.net">http://azuretestwebapplication.azurewebsites.net</a> 	<a href="#">Settings...</a>
Resource Group	AzureTestResourceGroup	<a href="#">Preview...</a>
Configuration	Release	<a href="#">Rename profile...</a>
Username	\$AzureTestWebApplication	<a href="#">Delete profile</a>
Password	*****	



# Lesson materials

- The presentations and the sample source codes are available at:
- <https://github.com/peknil/CloudProgrammingAzure>