

Felhőszolgáltatás telepítése és beállítása

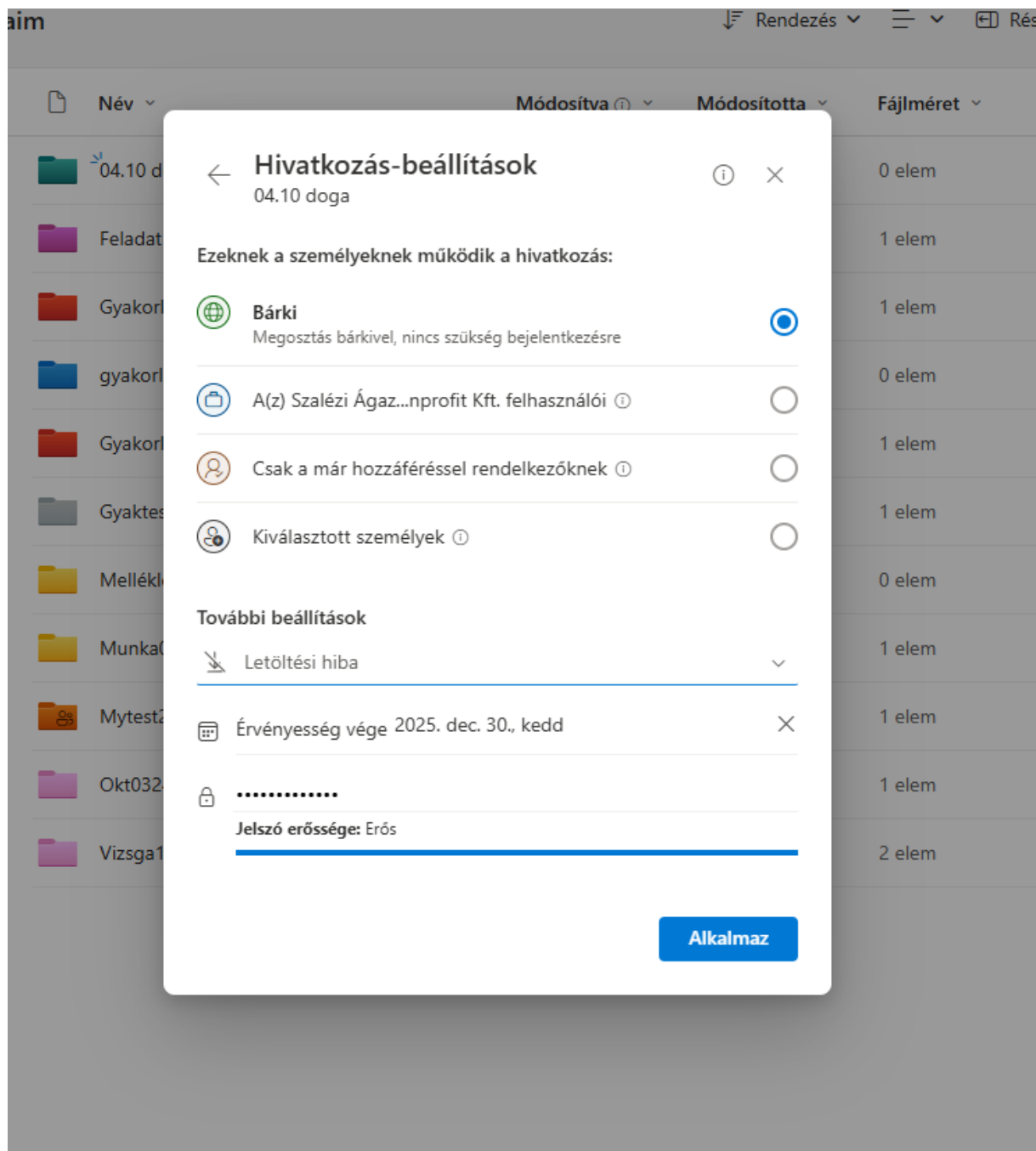
A csoport

Megjegyzés:

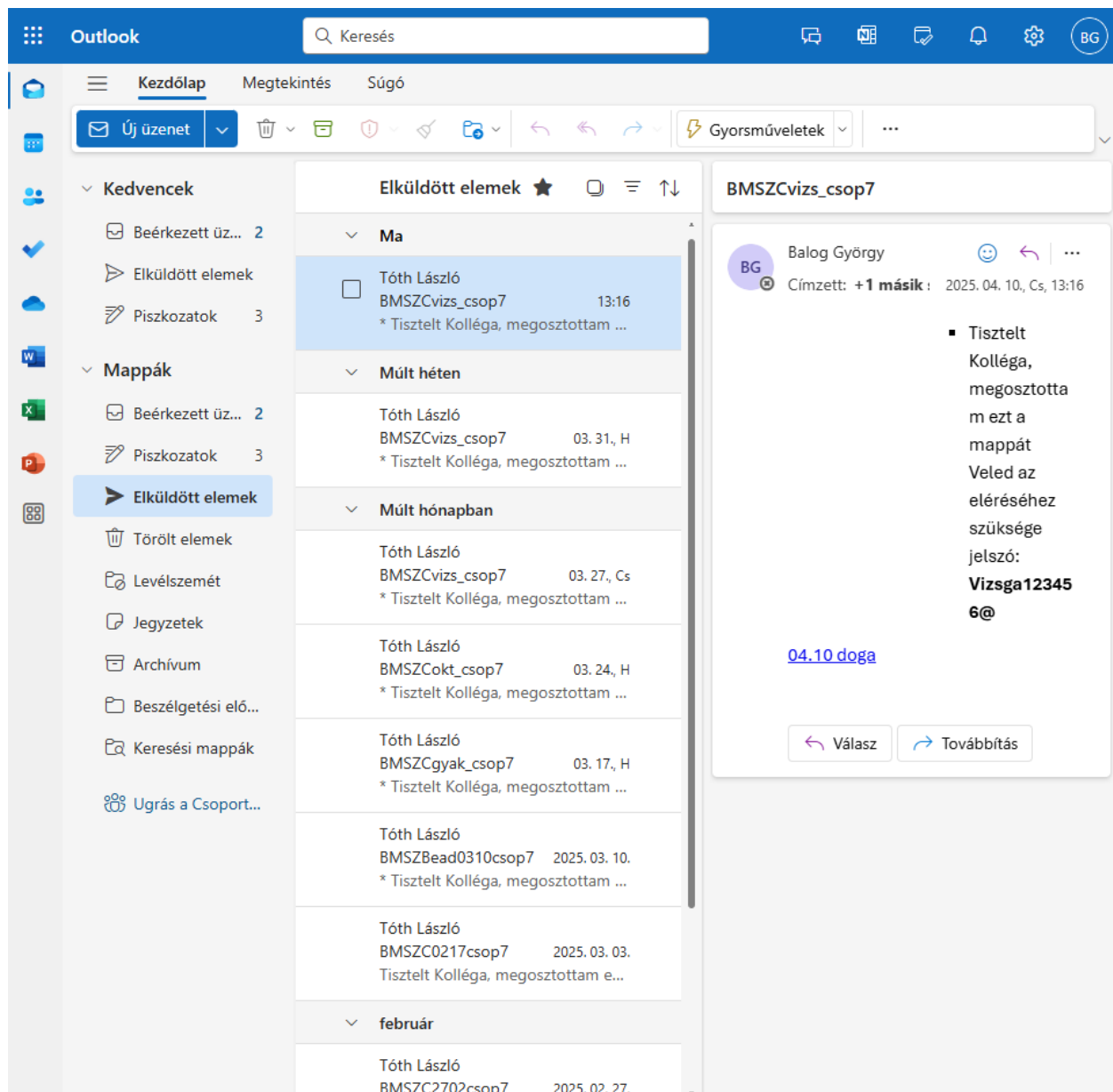
A ToLa vagy tola jelzés helyett minden esetben a saját monogramját használja
Figyelmesen olvassa el a feladatokat, minden feladathoz, a megoldásról egy képernyő képét
kérek.

Felhívom a figyelmet arra, hogy ha nem használja a Create funkciót, akkor
nem lesz az Azure-ban fogyasztás arra feladat részen, ha nincs Azure-ban fogyasztás **NEM
TUDOM ELFOGADNI A FELADAT AZON RÉSZÉT HIÁBA VANNAK KÉPEK
RÓLA!!!!**

1. Készítsen egy **Vizsga0402ToLa**mappát a OneDrive fiókjában és végezze el a következő
műveleteket:
 - a. Készítsen egy **megosztási Linket** az alábbi beállításokkal:
 - A link birtokosa csak **olvasási joggal** rendelkezzen
 - Állítson be lejáratí idót: **2025. 12. 30.**
 - Védje le az alábbi jelszóval: **Vizsga123456@**
 - **Engedélyezze** a letöltést.



- b. Kérem, hogy ezt a linket **külön levélben** küldje el az alábbi szöveggel a **tothl@dk.akkszalezi.hu**-ra:
- Tisztelt Kolléga, megosztottam ezt a mappát Veled az eléréséhez szüksége jelszó: **Vizsga123456@**
 - Tárgy: **BMSZCvizs_csop2 (csop azonosítód)**



Lépjen be a portal.azure.com rendszerébe és készítse az alábbi erőforrásokat beállításokkal együtt.

1. Készítsen egy virtuális hálózatot
 - a. Alap beállítások
 - i. Hálózat neve: tola-vnet (tola a saját monogrammod)
 - ii. Regio: **North Europe**

Create virtual network ...



Basics Security IP addresses Tags Review + create

Azure Virtual Network (VNet) is the fundamental building block for your private network in Azure. VNet enables many types of Azure resources, such as Azure Virtual Machines (VM), to securely communicate with each other, the internet, and on-premises networks. VNet is similar to a traditional network that you'd operate in your own data center, but brings with it additional benefits of Azure's infrastructure such as scale, availability, and isolation.
[Learn more.](#)

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *	<div>Subscription 4</div>
Resource group *	<div>BALOG-RGcsop7</div>

[Create new](#)

Instance details

Virtual network name *	<div>bagyo-vnet</div>
Region * ⓘ	<div>(Europe) North Europe</div>

[Deploy to an Azure Extended Zone](#)

b. IP beállítások

- address space: 192.168.12.0/24
- subnet (default): 192.168.12.0/28

Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

Home > Virtual machines

Create virtual machine

Basics

Security

Configure your virtual network

Define the address space and subnets

Assign the resources to the virtual network

+

Add address space

192.168.12.0/24

192.168.12.0 - 192.168.12.255

192.168.12.0

/28 (16 addresses)

192.168.12.0 - 192.168.12.15

Subnet

default

+

Add IPv4 address space

Previous

Save

Cancel

Give feedback

Edit subnet

×

Select an address space and configure your subnet. You can customize a default subnet or select from subnet templates if you plan to add select services later. [Learn more](#)

Subnet purpose

Default

Name *

default

IPv4

Include an IPv4 address space

192.168.12.0/24

192.168.12.0 - 192.168.12.255

192.168.12.0

/28 (16 addresses)

192.168.12.0 - 192.168.12.15

IPv6

Include an IPv6 address space

This virtual network has no IPv6 address ranges.

Private subnet

Private subnets enhance security by not providing default outbound access. To enable outbound connectivity for virtual machines to access the internet, it is necessary to explicitly grant outbound access. A NAT gateway is the recommended way to provide outbound connectivity for virtual machines in the subnet. [Learn more](#)

Enable private subnet (no default outbound access)

Security

Simplify internet access for virtual machines by using a network address translation gateway. Filter subnet traffic using a network security group. [Learn more](#)

NAT gateway

None

Create new

A NAT gateway is recommended for outbound internet access from subnets. Edit the subnet to add a NAT gateway. [Learn more](#)

2. Készítsen egy virtuális gépet:

a. Alap beállítások:

- Virtuális gép neve: **win22vizscoreiistl** (tl a monogrammod)
- Regio: **Mint a hálózati beállításnál**
- Security típusa: **Standard**
- Zóna: **ahol elérhető az erőforrások**
- Az operációs rendszer típusa: **Windows 2022 Core server (small disk)**

Home > Compute infrastructure | Virtual machines >

Create a virtual machine

Help me create a low cost VM | Help me create a VM optimized for high availability | Help me choose the right VM size for my workload

Availability options ⓘ Availability zone

Zone options ⓘ

- ☒ Self-selected zone
Choose up to 3 availability zones, one VM per zone
- ☐ Azure-selected zone (Preview)
Let Azure assign the best zone for your needs

Availability zone * ⓘ Zone 2

✔ You can now select multiple zones. Selecting multiple zones will create one VM per zone. [Learn more](#)

Security type ⓘ Standard

✔ Trusted launch virtual machine is required when using 1P Gallery images.

Image * ⓘ [smalldisk] Windows Server 2022 Datacenter: Azure Edition Core - x64 Gen1

[See all images](#) | [Configure VM generation](#)

✔ This image is compatible with additional security features. [Click here to swap to the Trusted launch security type.](#)

VM architecture ⓘ

- ☐ Arm64
- ☒ x64

✔ Arm64 is not supported with the selected image.

Run with Azure Spot discount ⓘ ☐

Size * ⓘ Standard_B1s - 1 vcpu, 1 GiB memory (11,17 USD/month)

[See all sizes](#)

Enable Hibernation ⓘ ☐

✔ Hibernation is not supported by the size that you have selected. Choose a size that is compatible with Hibernation to enable this feature. [Learn more](#)

Administrator account

vi. A lemezkép típusa: **Standard_B1s - 1 vcpu, 1 GiB memory**

Figyelmesen állítsa be!!!

vii. felhasználó név: **winadministrator**

viii. jelszó: **Vizsga123456789@**

b. Lemez beállítása:

i. Standard SSD **Figyelmesen állítsa be!!!**

ii. **Törölődjön** le a virtuális géppel együtt

Home > Compute infrastructure | Virtual machines >

Create a virtual machine ...

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

Availability options ⓘ Availability zone ▼

Zone options ⓘ

- ☒ Self-selected zone
Choose up to 3 availability zones, one VM per zone
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Let Azure assign the best zone for your needs

Availability zone * ⓘ Zone 2 ▼

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Security type ⓘ Standard ▼

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[See all images](#) | [Configure VM generation](#)

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[See all sizes](#)

Enable Hibernation ⓘ ☐

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Administrator account

c. Hálózati beállítások

- tola-vnet (az első feladatban beállítások szerint)
- Törölődjön le a virtuális géppel együtt
- Legyen külső eléréssel

Create a virtual machine ...



Help me create a low cost VM

Help me create a VM optimized for high availability

Help me choose the right VM size for my workload

Network interface

When creating a virtual machine, a network interface will be created for you.

Virtual network * ⓘ

bagyo-vnet

[Create new](#)

Subnet * ⓘ

default (192.168.12.0/28)

[Manage subnet configuration](#)

Public IP ⓘ

(new) win22vizscoreiisbgy-ip

[Create new](#)

NIC network security group ⓘ

☐ None

☒ Basic

☐ Advanced

Public inbound ports * ⓘ

☐ None

☒ Allow selected ports

Select inbound ports *

RDP (3389)



This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

Delete public IP and NIC when VM is deleted ⓘ



Enable accelerated networking ⓘ



The selected VM size does not support accelerated networking.

Load balancing

d. Egyéb beállítások:

- Kapcsoljon ki minden nap **este 16 órakor** magyar idő szerint
- Ne küldjön előtt E-mailt

Create a virtual machine ...



Help me create a low cost VM

Help me create a VM optimized for high availability

Help me choose the right VM size for my workload

Configure management options for your VM.

Microsoft Defender for Cloud

Microsoft Defender for Cloud provides unified security management and advanced threat protection across hybrid cloud workloads. [Learn more](#)

✓ Your subscription is protected by Foundational Cloud Security Posture Management Free Plan.

Identity

Enable system assigned managed identity ⓘ

☐

Microsoft Entra ID

Login with Microsoft Entra ID ⓘ

☐

ⓘ RBAC role assignment of Virtual Machine Administrator Login or Virtual Machine User Login is required when using Microsoft Entra ID login. [Learn more](#)

Auto-shutdown

Enable auto-shutdown ⓘ

☒

Shutdown time ⓘ

4:00:00 PM

⚠ Invalid value was discarded for previously known valid entry.

Time zone ⓘ

(UTC) Coordinated Universal Time

Notification before shutdown ⓘ

☐

Guest OS updates

Enable periodic assessment ⓘ

☐

Képmetsző

Képernyőkép a vágólapra másolva
Automatikusan mentve a képernyőképek mappába.

e. Egyéb beállítások:

i. Diagnosztika kikapcsolása

Create a virtual machine ...



Help me create a low cost VM

Help me create a VM optimized for high availability

Help me choose the right VM size for my workload

Basics Disks Networking Management **Monitoring** Advanced Tags Review + create

Configure monitoring options for your VM.

Alerts

Enable recommended alert rules ⓘ ☐

Diagnostics

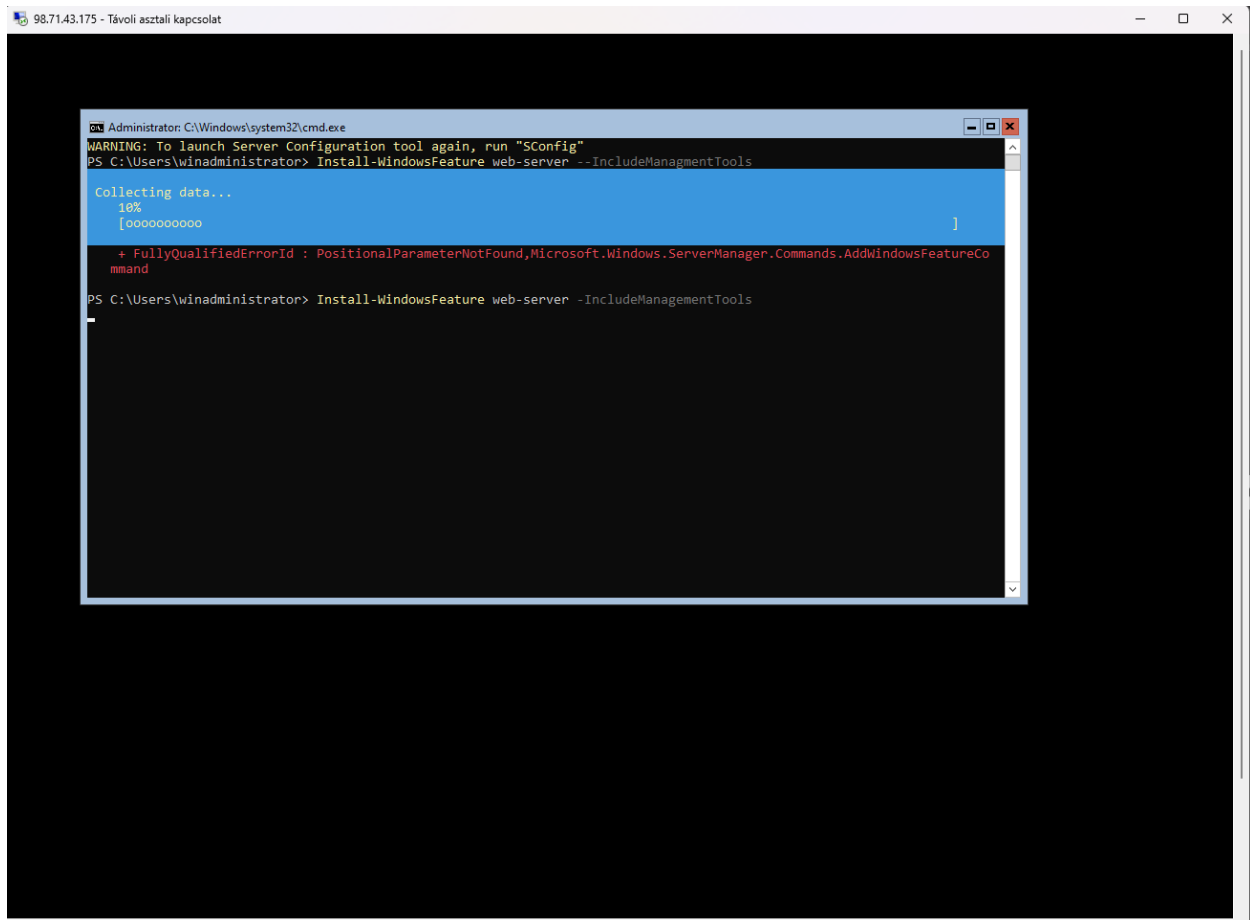
Boot diagnostics ⓘ ☐ Enable with managed storage account (recommended)
☐ Enable with custom storage account
☒ Disable

Enable OS guest diagnostics ⓘ ☐

Health

Enable application health monitoring ⓘ ☐

3. Telepítse fel az Azure-ban működő Windows 2022 core server az alábbi szolgáltatásokat:
 - a. Webserver alkalmazást telepítése:



Home > Compute infrastructure | Virtual machines >

Create a virtual machine

Help me create a low cost VM

Help me create a VM optimized for high availability

Help me choose the right VM size for my workload

Run with Azure Spot discount

☐

Size *

Standard_B1s - 1 vcpu, 1 GiB memory (8,25 USD/month)

See all sizes

Enable Hibernation

☐

Hibernate is not supported by the size that you have selected. Choose a size that is compatible with Hibernation to enable this feature. [Learn more](#)

Administrator account

Authentication type

☐ SSH public key

☒ Password

Username *

asdasd1

Password *

.....

Confirm password *

.....

Inbound port rules

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports *

☐ None

☒ Allow selected ports

Select inbound ports *

SSH (22)

This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

< Previous

Next : Disks >

Review + create

Give feedback

i. Készítsen a kezdő oldalt, amin a **Hello World 2024. 12.** Készítette:

Vizsgazo Neve jelenjen meg.

4. Oldja meg, hogy ez a weboldalt el lehessen érni külső hálózatról is.

Create Web App ...



Subscription * ⓘ Subscription 4

Resource Group * ⓘ BALOG-RGcsop7

[Create new](#)

Instance Details

Name bgy-web

.azurewebsites.net

☒ Secure unique default hostname on. [More about this update](#)

Publish * ☐ Code ☒ Container

Operating System * ☒ Linux ☐ Windows

Region * North Europe

Not finding your App Service Plan? Try a different region or select your App Service Environment.

Pricing plans

App Service plan pricing tier determines the location, features, cost and compute resources associated with your app. [Learn more](#)

Linux Plan (North Europe) * ⓘ (New) ASP-BALOGRGcsop7-9882

[Create new](#)

Pricing plan Basic B1 (100 total ACU, 1.75 GB memory, 1 vCPU)

[Explore pricing plans](#)

Zone redundancy

An App Service plan can be deployed as a zone redundant service in the regions that support it. This is a deployment time only decision. You can't make an App Service plan zone redundant after it has been deployed [Learn more](#)

Zone redundancy ☐ **Enabled:** Your App Service plan and the apps in it will be zone redundant. The minimum App Service plan instance count will be three.

[Review + create](#)

[< Previous](#)

[Next : Database >](#)

5. Mutassa be a weboldalt az Azure-ral generált domain névvel.

Hello World 2024

Készítette: Balog György



6. Készítsen egy web app környezetet és futtasson benne egy docker imaget.
 - a. Hozzon létre egy web app szolgáltatást
 - i. Név: **linuxwebapptl**
 - ii. Publish: **container**
 - iii. Operációs rendszer: **Linux**
 - iv. Régió: **North Europe**
 - v. Erőforrás (plan): **B1 legolcsóbb prémium**

Microsoft Azure Search resources, services, and docs (G+/) Copilot

Home > All resources >

bgy-web Web App

Search

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[Microsoft Defender for Cloud](#)
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[Essentials](#)
[JSON View](#)

[Resource group \(move\)](#)
[BALOG-RGcsop7](#)

[Status](#)
 Running

[Location \(move\)](#)
 North Europe

[Subscription \(move\)](#)
[Subscription 4](#)

[Subscription ID](#)
 c92445d7-e309-46a9-9118-5693b8d06e30

[Tags \(edit\)](#)
[Add tags](#)

[Properties](#)
[Monitoring](#)
[Logs](#)
[Capabilities](#)
[Notifications \(0\)](#)
[Recommendations](#)

Web app

Name: bgy-web
 Publishing model: Container
 Container Image: index.docker.io/tutum/hello-word

Domains

Default domain: [bgy-web-b5bch5d5eafyhbb7.northeurope-01.azurewebsites.net](#)
 Custom domain: [Add custom domain](#)

Hosting

Plan Type: App Service plan

Add or remove favorites by pressing Ctrl+Shift+F

b. A konténer beállítása

- i. image forrása: **Docker HUB**
- ii. docker image: **tutum/hello-word**

[Home](#) > [App Services](#) >

Create Web App ...



Basics Database Container Networking Monitor + secure Tags Review + create

Select your preferred source for container images. You can change these settings and other dependencies after creating the app. [Learn more](#)

Sidecar support ☒ Enhanced configuration with sidecar support off [Learn More](#)

Image Source *

- ☐ Quickstart
- ☐ Azure Container Registry
- ☒ Other container registries

Docker hub options

Access Type *

- ☒ Public
- ☐ Private

Registry server URL *

Image and tag * ✓

Startup Command ⓘ

[Review + create](#)

[< Previous](#)

[Next : Networking >](#)

7. Dokumentálás után Töröljön le minden erőforrást. (ellenőrizze többször, hogy minden erőforrás eltűnt-e) **Figyelmesen!!!! Kérek róla képet**

Microsoft Azure

Search resources, services, and docs (Ctrl)

Copilot

Home >

All resources

Scaled Agazul Képzésközpont Nonprofit Kft.


+ Create | Manage view | Refresh | Export to CSV | Open query | Assign tags | Delete

Filter for any field... | Subscription equals all | Resource group equals all | Type equals all | Location equals all | Add filter

0 Unsecure resources | 0 Recommendations | - Changed resources

No grouping | List view

Name	Type	Resource group	Location	Subscription
------	------	----------------	----------	--------------



No resources match your filters

Try changing or clearing your filters.

+ Create resources | Clear filters

[Learn more](#)

[Give feedback](#)

8. A kész dokumentumot tölts fel az első feladatban megosztott mappába is.