

```
~/Documents/Spring/core-spring-labfiles/lab — ping 8.8.8.8
sk$ curl http://57.152.86.182
Welcome to VM1
sk$ curl http://57.152.86.182
Welcome to VM1
sk$ curl http://57.152.86.182
Welcome to VM1
sk$ curl http://57.152.86.182
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>IIS Windows Server</title>
<style type="text/css">
<!--
body {
    color:#000000;
    background-color:#0072C6;
    margin:0;
}

#container {
    margin-left:auto;
    margin-right:auto;
    text-align:center;
}

a img {
    border:none;
}

-->
</style>
</head>
<body>
<div id="container">
<a href="http://go.microsoft.com/fwlink/?LinkId=66138&clcid=0x409"></a>
</div>
</body>
</html>sk$
```

Модуль 5. Контент | Add - AnkiWeb | app.landings | HTTP - Micro | Azure Compute | ChatGPT | IIS Windows | 48.216.241.1 | +

portal.azure.com/#@ukrsiteukr.onmicrosoft.com/resource/subscriptions/bf75502e-bab2-4709-9623-046fbddb39b7/resource... Copilot | 5 | S | Microsoft Azure | Upgrade | Search resources, services, and docs (G+/-) | Copilot | uksite@ukr.net | DEFAULT DIRECTORY

Home > Virtual machines > MyWindowsVM-1

Virtual machines

Default Directory

+ Create | Switch to classic | ...

Filter for any field... Name ↑

MyLinuxVM-1

MyWindowsVM-1

... | ...

Overview | Activity log | Access control (IAM) | Tags | Diagnose and solve problems | Connect | Connect | Bastion | Windows Admin Center | Networking | **Network settings** | Load balancing | Application security groups | Network manager | Settings | Availability + scale

Page 1 of 1 >

MyWindowsVM-1 | Network settings

This is a new experience.

HTTP
MyWindowsVM-1-nsg

Source Any

Source port ranges * *

Destination Any

Service **HTTP**

Destination port ranges 80

Protocol

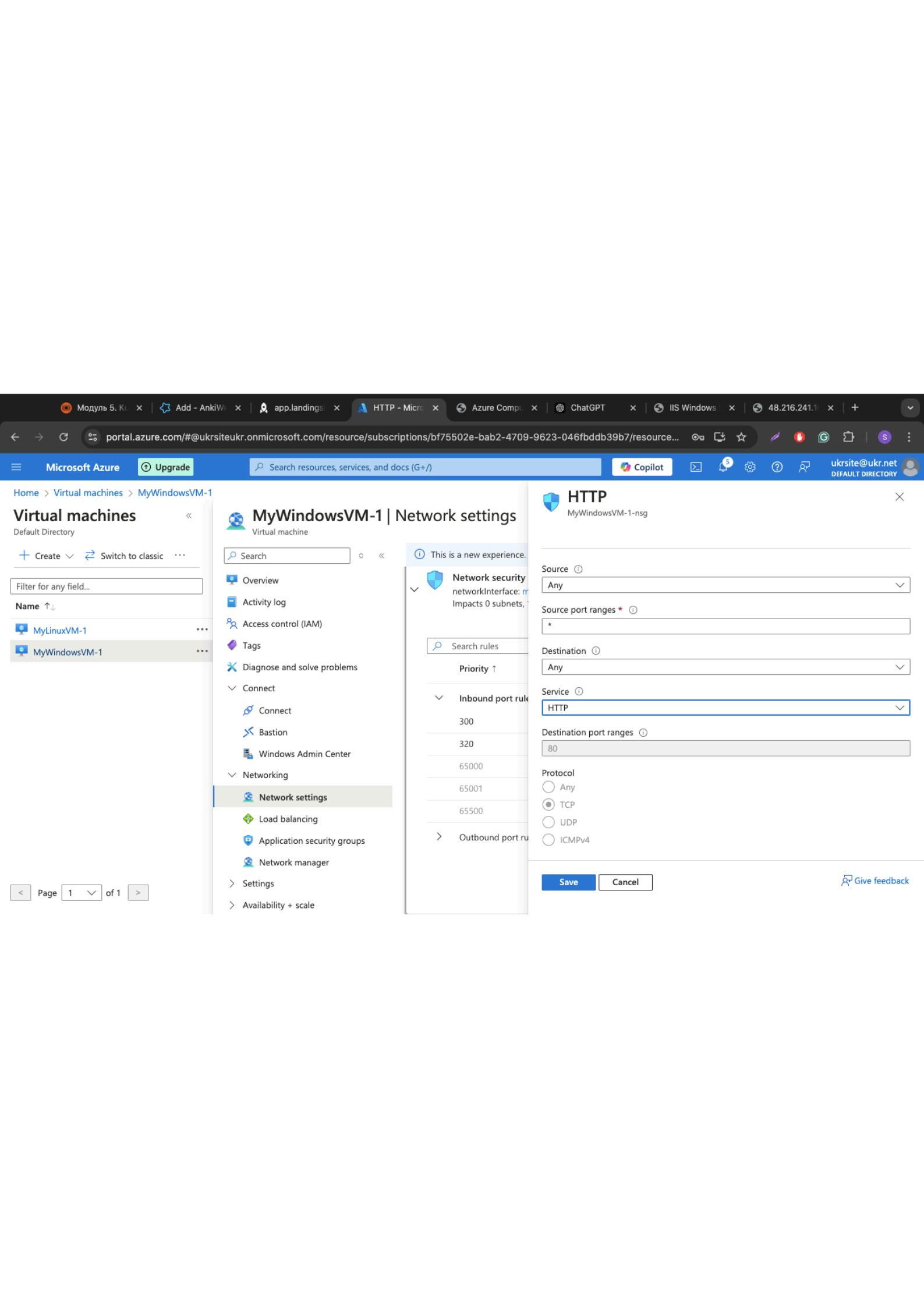
Any

TCP

UDP

ICMPv4

Save | Cancel | Give feedback



Модуль 5. К... | Add - AnkiW... | app.landings | Virtual machi... | Azure Comp... | ChatGPT | IIS Windows | 48.216.241.1 | +

portal.azure.com/#browse/Microsoft.Compute%2FVirtualMachines

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

Copilot

ukrsite@ukr.net DEFAULT DIRECTORY

Home >

Virtual machines

Default Directory

+ Create Switch to classic Reservations Manage view Refresh Export to CSV Open query Assign tags Start Restart Stop Delete ...

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

No grouping List view

Name	Subscription	Resource group	Location	Status	Operating system	Size	Public IP address	Disk
<input type="checkbox"/> MyLinuxVM-1	Azure subscription 1	RS1	East US	Running	Linux	Standard_B1s	48.216.241.167	1
<input type="checkbox"/> MyWindowsVM-1	Azure subscription 1	RS1	East US	Running	Windows	Standard_DS1_v2	172.174.244.63	1

< Previous Page 1 of 1 Next > Give feedback

Модуль 5. К... | Add - AnkiW... | app.landings... | MyLoadBalanc... | Azure Compute... | ChatGPT | IIS Windows... | 48.216.241.1 | +

portal.azure.com/#@ukrsiteukr.onmicrosoft.com/resource/subscriptions/bf75502e-bab2-4709-9623-046fbddb39b7/resource... Copilot | 5 | Copilot | Search resources, services, and docs (G+/) | Microsoft Azure | Upgrade | ukrsite@ukr.net DEFAULT DIRECTORY

Home > Load balancing | Load Balancer >

MyLoadBalancer

Load balancer

Search

Move Delete Refresh Give feedback

Overview

Activity log Access control (IAM) Tags Diagnose and solve problems Settings

Frontend IP configuration Backend pools Health probes Load balancing rules Inbound NAT rules Outbound rules Properties Locks Monitoring Automation

Resource group (move) : RS1 Location : East US Subscription (move) : Azure subscription 1 Subscription ID : bf75502e-bab2-4709-9623-046fbddb39b7 SKU : Standard

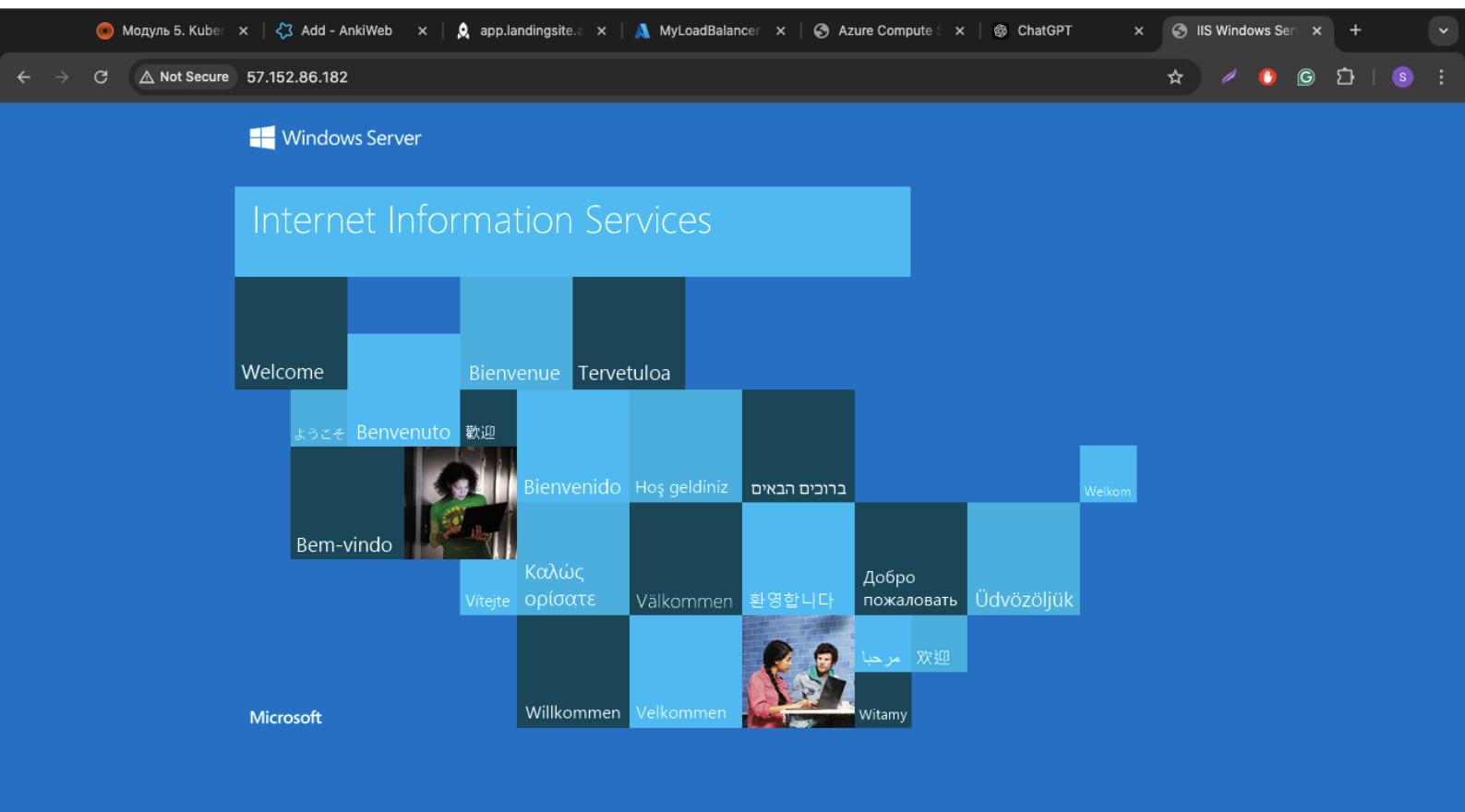
Backend pool : MyPool (2 virtual machines) Load balancing rule : MyLBRule (Tcp:80) Health probe : myHealthProbe (Tcp:80) NAT rules : 0 inbound Tier : Regional Public IP address : 57.152.86.182 (MyFrontLBIP)

JSON View

Configure high availability and scalability for your applications

Create highly-available and scalable applications in minutes by using built-in load balancing for cloud services and virtual machines. Azure Load Balancer supports TCP/UDP-based protocols and protocols used for real-time voice and video messaging applications. [Learn more](#)

Balance IPv4 and IPv6 addresses Build highly reliable applications Secure your networks



Модуль 5. Kubernetes | Add - AnkiWeb | app.landsite.ai/web | MyLoadBalancer - Microsoft Azure Compute Service | ChatGPT | +

portal.azure.com/#@ukrsiteukr.onmicrosoft.com/resource/subscriptions/bf75502e-bab2-4709-9623-046fbddb39b7/resource... Copilot | 4 | ⚙️ | ⓘ | 🌐 | S | ukrsite@ukr.net DEFAULT DIRECTORY

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

Home > Microsoft.LoadBalancer-20250116122351 | Overview >

MyLoadBalancer

Load balancer

Search Move Delete Refresh Give feedback

Overview

Activity log Access control (IAM) Tags Diagnose and solve problems Settings

Frontend IP configuration Backend pools Health probes Load balancing rules Inbound NAT rules Outbound rules Properties Locks Monitoring Automation

Resource group (move) : RS1 Location : East US Subscription (move) : Azure subscription 1 Subscription ID : bf75502e-bab2-4709-9623-046fbddb39b7 SKU : Standard Backend pool : MyPool (2 virtual machines) Load balancing rule : MyLBRule (Tcp:80) Health probe : myHealthProbe (Tcp:80) NAT rules : 0 inbound Tier : Regional Public IP address : 57.152.86.182 (MyFrontLBIP)

See less JSON View

Configure high availability and scalability for your applications

Create highly-available and scalable applications in minutes by using built-in load balancing for cloud services and virtual machines. Azure Load Balancer supports TCP/UDP-based protocols and protocols used for real-time voice and video messaging applications. [Learn more](#)

Balance IPv4 and IPv6 addresses Build highly reliable applications Secure your networks

Модуль 5. Kubernetes | Add - AnkiWeb | app.landsite.ai/web | Microsoft.LoadBalanc... | Azure Compute Servi... | ChatGPT | +

portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2Fbf75502e-bab2-4709-96... Copilot | 4 | ⚙️ | ⓘ | 🌐 | S | uksite@ukr.net DEFAULT DIRECTORY

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

Home > Microsoft.LoadBalancer-20250116122351 | Overview

Deployment

Search | Delete | Cancel | Redeploy | Download | Refresh

Overview | Inputs | Outputs | Template

Deployment is in progress

Deployment name : Microsoft.LoadBalancer-202501161223... Start time : 1/16/2025, 12:56:52 PM
Subscription : Azure subscription 1 Correlation ID : f7c48ed6-d577-42fe-8b63-e6d707859...
Resource group : RS1

Deployment details

Resource	Type	Status	Operation details
NicUpdate-7b47a1	Deployment	Created	Operation details
NicUpdate-b36bfc!	Deployment	Created	Operation details
MyLoadBalancer	Load balancer	Created	Operation details
MyFrontLBIP	Public IP address	OK	Operation details

Give feedback | Tell us about your experience with deployment

Microsoft Defender for Cloud | Secure your apps and infrastructure | Go to Microsoft Defender for Cloud >

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Модуль 5. Kubernetes | Add - AnkiWeb | app.landsite.ai/web | Create load balancer | Azure Compute Service | ChatGPT | +

portal.azure.com/#create/Microsoft.LoadBalancer-ARM

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Home > Load balancing | Load Balancer >

Create load balancer

Validation passed

Basics Frontend IP configuration Backend pools Inbound rules Outbound rules Tags Review + create

Basics

Subscription	Azure subscription 1
Resource group	RS1
Name	MyLoadBalancer
Region	East US
SKU	Standard
Tier	Regional
Type	Public

Frontend IP configuration

Frontend IP configuration name	MyIPConf
Frontend IP configuration IP address	To be created

Backend pools

Create

< Previous Next > Download a template for automation Give feedback

Модуль 5. Kubernetes | Add - AnkiWeb | app.landsite.ai/web | Add load balancing rule | Azure Compute Service | ChatGPT | +

portal.azure.com/#create/Microsoft.LoadBalancer-ARM

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Home > Load balancing | Load Balancer >

Create load balancer

Basics Frontend IP configuration Backend pools **Inbound rules** Outbound rules Tags Review + create

Load balancing rule

A load balancing rule distributes incoming traffic that is sent to a selected IP address and port combination across a group of backend instances are eligible to receive traffic.

+ Add a load balancing rule

Name ↑↓	Frontend IP configuration ↑↓	Backend pool ↑↓	Health probe ↑↓
Add a rule to get started			

Inbound NAT rule

An inbound NAT rule forwards incoming traffic sent to a selected IP address and port combination to a specific virtual machine.

+ Add an inbound nat rule

Name ↑↓	Frontend IP configuration ↑↓	Service ↑↓
Add a rule to get started		

Add load balancing rule

MyLoadBalancer

Port * 80

Backend port * ① 80

Health probe * ① (new) myHealthProbe (TCP:80) Create new

Session persistence ① None

Idle timeout (minutes) * ① 4

Enable TCP Reset

Enable Floating IP

(Recommended) Use outbound rules to provide backend pool members access to the internet. Learn more. ↗

Use default port allocation to provide backend pool members with a minimal set of SNAT ports. This is not recommended because it can cause SNAT port exhaustion. Learn more. ↗

Save Cancel Give feedback

Модуль 5. Kubernetes | Add - AnkiWeb | app.landsite.ai/web | Add load balancing rule | Azure Compute Service | ChatGPT | +

portal.azure.com/#create/Microsoft.LoadBalancer-ARM

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

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Home > Load balancing | Load Balancer >

Create load balancer

Basics Frontend IP configuration Backend pools **Inbound rules** Outbound rules Tags Review + create

Load balancing rule

A load balancing rule distributes incoming traffic that is sent to a selected IP address and port combination across a group of backend instances are eligible to receive traffic.

+ Add a load balancing rule

Name ↑	Frontend IP configuration ↑↓	Backend pool ↑↓	Health probe ↑↓
Add a rule to get started			

Inbound NAT rule

An inbound NAT rule forwards incoming traffic sent to a selected IP address and port combination to a specific virtual machine.

+ Add an inbound nat rule

Name ↑↓	Frontend IP configuration ↑↓	Service ↑↓
Add a rule to get started		

Review + create < Previous Next : Outbound rule > Download a template for automation Give feedback

Add load balancing rule

MyLoadBalancer

Version 1 ID: A

Health probes are used to check the status of a backend pool instance. If the health probe fails to get a response from a backend instance then no new connections will be sent to that backend instance until the health probe succeeds again.

Name * myHealthProbe

Protocol * TCP

Port * 80

Interval (seconds) * 5

Used by * Not used

Save Cancel

Health probe NO EXISTING PROBES Create new

Session persistence None

Idle timeout (minutes) * 4

Enable TCP Reset

Save Cancel

Give feedback

Модуль 5. Kubernetes | Add - AnkiWeb | app.landsite.ai/web | Add load balancing rule | Azure Compute Service | ChatGPT | +

portal.azure.com/#create/Microsoft.LoadBalancer-ARM

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Home > Load balancing | Load Balancer >

Create load balancer

Basics Frontend IP configuration Backend pools **Inbound rules** Outbound rules Tags Review + create

Load balancing rule

A load balancing rule distributes incoming traffic that is sent to a selected IP address and port combination across a group of backend instances are eligible to receive traffic.

+ Add a load balancing rule

Name ↑↓	Frontend IP configuration ↑↓	Backend pool ↑↓	Health probe ↑↓
Add a rule to get started			

Inbound NAT rule

An inbound NAT rule forwards incoming traffic sent to a selected IP address and port combination to a specific virtual machine.

+ Add an inbound nat rule

Name ↑↓	Frontend IP configuration ↑↓	Service ↑↓
Add a rule to get started		

Add load balancing rule

MyLoadBalancer

Name * MyLBRule

IP Version * IPv4 IPv6

Frontend IP address * MyIPConf (To be created)

Backend pool * MyPool

Protocol TCP UDP

Port * 80

Backend port * 80

Health probe * No existing probes [Create new](#)

Session persistence None

Save Cancel Give feedback

Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landingsite.ai/website-cl x | Add backend pool - Microsoft Azure Compute Services Pre x | +

portal.azure.com/#view/Microsoft_Azure_Network/RegionalLBBackendPoolManage.ReactView/loadBalancerId~/null/expandedL...

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

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Home > Load balancing | Load Balancer > Create load balancer >

Add backend pool

Name * MyPool

Virtual network MyLinuxVM-1-vnet (RS1)

Backend Pool Configuration

NIC

IP address

IP configurations

IP configurations associated to virtual machines and virtual machine scale sets must be in same location as the load balancer and be in the same virtual network.

+ Add | X Remove

Resource Name	Resource group	Type	IP configuration	IP Address	Availabi...
MyLinuxVM-1	RS1	Virtual machine	ipconfig1	10.2.0.4	-
MyWindowsVM-1	RS1	Virtual machine	ipconfig1	10.2.0.5	-

Save Cancel Give feedback

Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landingsite.ai/website-cl x | Add IP configurations to back... x | Azure Compute Services Pra x | +

portal.azure.com/#view/Microsoft_Azure_Network/RegionalLBBackendPoolManage.ReactView/loadBalancerId~/null/expandedL...

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

Home > Load balancing | Load Balancer Add IP configurations to backend pool

Add backend pool

IP configurations associated to virtual machines and virtual machine scale sets must be in same location as the load balancer and be in the same virtual network.

Name *

Virtual network ⓘ

Backend Pool Configuration

IP configurations

IP configurations associated to virtual machines and virtual machine scale sets must be in same location as the load balancer and be in the same virtual network.

+ Add | X Remove

Resource Name

Resource Name	Resource group	Type	IP configurati...	IP Address	Availability set	Tags
MyLinuxVM-1	RS1	Virtual machine	ipconfig1	10.2.0.4	-	-
MyWindowsVM-1	RS1	Virtual machine	ipconfig1	10.2.0.5	-	-

Save Cancel Give feedback Add Cancel

Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landingsite.ai/website-cl x | Add backend pool - Microsoft Azure x | Azure Compute Services Pre x | +

portal.azure.com/#view/Microsoft_Azure_Network/RegionalLBBackendPoolManage.ReactView/loadBalancerId~/null/expandedL...

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

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Home > Load balancing | Load Balancer > Create load balancer >

Add backend pool

Name * MyPool

Virtual network MyLinuxVM-1-vnet (RS1)

Backend Pool Configuration

NIC

IP address

IP configurations

IP configurations associated to virtual machines and virtual machine scale sets must be in same location as the load balancer and be in the same virtual network.

+ Add | X Remove

Resource Name	Resource group	Type	IP configuration	IP Address	Availabi...
---------------	----------------	------	------------------	------------	-------------

Save Cancel Give feedback

Модуль 5. Kubernetes в дії | x | Add - AnkiWeb | x | app.landingsite.ai/website-cl | x | Add frontend IP configuration | x | Azure Compute Services Pra | x | +

portal.azure.com/#create/Microsoft.LoadBalancer-ARM

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Home > Load balancing | Load Balancer >

Create load balancer

Basics **Frontend IP configuration** Backend pools Inbound rules Outbound rules Tags Review + create

A frontend IP configuration is an IP address used for inbound and/or outbound communication as defined within load balancing, in

+ Add a frontend IP configuration

Name ↑↓	IP address ↑↓
Add a frontend IP to get started	

Add frontend IP configuration

Name * MyLoadBalancer

IP version IPv4 IPv6

IP type IP address IP prefix

Public IP address * (new) MyFrontLBIP [Create new](#)

Gateway Load balancer None

Save Cancel Give feedback

Модуль 5. Kubernetes в дії | x | Add - AnkiWeb | x | app.landingsite.ai/website-cl | x | Add frontend IP configuration | x | Azure Compute Services Pra | x | +

portal.azure.com/#create/Microsoft.LoadBalancer-ARM

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Home > Load balancing | Load Balancer >

Create load balancer

Basics Frontend IP configuration Backend pools Inbound rules Outbound rules Tags Review + create

A frontend IP configuration is an IP address used for inbound and/or outbound communication as defined within load balancing, in

+ Add a frontend IP configuration

Name ↑ IP address ↑

Add a frontend IP to get started

Add frontend IP configuration

Name * MyIPConf

IP version IPv4 IPv6

Add a public IP address

Name * MyFronLBIP

SKU Standard

Tier Regional

Static IPs are assigned at the time the resource is created and released when the resource is deleted. Dynamic IPs are assigned when associating the IP to a resource and is released when you stop, restart, or delete a resource. Dynamic is only available for Basic SKU.

Assignment Dynamic Static

Availability zone * Zone-redundant

Routing preference ⓘ Microsoft network Internet

Save Cancel

Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landingsite.ai/website-cl x | Create load balancer - Micro x | Azure Compute Services Pra x | +

portal.azure.com/#create/Microsoft.LoadBalancer-ARM

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Home > Load balancing | Load Balancer >

Create load balancer

Subscription * Azure subscription 1

Resource group * RS1 [Create new](#)

Instance details

Name * MyLoadBalancer

Region * East US

SKU * Standard (Distribute traffic to backend resources)
 Gateway (Direct traffic to network virtual appliances)
 Basic (Retiring on September 30, 2025)

Type * Public
 Internal

Tier * Regional
 Global

[Review + create](#) [< Previous](#) [Next : Frontend IP configuration >](#) Download a template for automation [Give feedback](#)

Модуль 5. Kubernetes в дії | x | Add - AnkiWeb | x | app.landingsite.ai/website-cl | x | Add IP configurations to back... | x | Azure Compute Services Pra | x | +

portal.azure.com/#view/Microsoft_Azure_Network/RegionalLBBackendPoolManage.ReactView/loadBalancerId~/null/expandedL...

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

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Home > Load balancing | Load Balancer Add IP configurations to backend pool

Add backend pool

IP configurations associated to virtual machines and virtual machine scale sets must be in same location as the load balancer and be in the same virtual network.

Name * Filter by name... Location : eastus Virtual network : MyLinuxVM-1-vnet Add filter

Show resources that are not available for selection

Resourc...	Resourc...	Type	IP config...	IP Addr...	Availabi...	Tags
------------	------------	------	--------------	------------	-------------	------

+ Add | Remove

Resource Name

Save Cancel Give feedback Add Cancel

Give feedback

Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landingsite.ai/website-cl x | A Add backend pool - Microsoft Azure Compute Services Pre x | +

portal.azure.com/#view/Microsoft_Azure_Network/RegionalLBBackendPoolManage.ReactView/loadBalancerId~/null/expandedL...

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Home > Load balancing | Load Balancer > Create load balancer >

Add backend pool

Name *

Virtual network ⓘ MyLinuxVM-1-vnet

IP configurations

IP configurations associated to virtual machines and virtual machine scale sets must be in same location as the load balancer and be in the same virtual network.

+ Add | X Remove

Resource Name	Resource group	Type	IP configuration	IP Address	Available...
---------------	----------------	------	------------------	------------	--------------

Save Cancel Give feedback

Модуль 5. Kubernetes в дії | x | Add - AnkiWeb | x | app.landingsite.ai/website-cl | x | Add frontend IP configuration | x | Azure Compute Services Pra | x | +

portal.azure.com/#create/Microsoft.LoadBalancer-ARM

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Home > Load balancing | Load Balancer >

Create load balancer

Basics **Frontend IP configuration** Backend pools Inbound rules Outbound rules Tags Review + create

A frontend IP configuration is an IP address used for inbound and/or outbound communication as defined within load balancing, in

+ Add a frontend IP configuration

Name ↑↓	IP address ↑↓	Virtual network
Add a frontend IP to get started		

✖ At least 1 frontend IP needs to be added for creating a Load Balancer

Add frontend IP configuration

MyLoadBalancer

Name *

IP version IPv4 IPv6

Virtual network *

Subnet *

Assignment Dynamic Static

Save Cancel

Give feedback

Review + create < Previous Next : Backend pools > Download a template for automation Give feedback

Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | Create load balancer - Micro x | Azure Compute Services Pre x | +

portal.azure.com/#create/Microsoft.LoadBalancer-ARM

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Home > Load balancing | Load Balancer >

Create load balancer

Basics **Frontend IP configuration** Backend pools Inbound rules Outbound rules Tags Review + create

A frontend IP configuration is an IP address used for inbound and/or outbound communication as defined within load balancing, inbound NAT, and outbound rules.

+ Add a frontend IP configuration

Add a frontend IP configuration

Name ↑↓	IP address ↑↓	Virtual network ↑↓	Subnet ↑↓
---------	---------------	--------------------	-----------

Add a frontend IP to get started

Review + create < Previous Next : Backend pools > Download a template for automation Give feedback

Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landingsite.ai/website-cl x | Create load balancer - Micro x | Azure Compute Services Pra x | +

portal.azure.com/#create/Microsoft.LoadBalancer-ARM

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

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Home > Load balancing | Load Balancer >

Create load balancer

[Create new](#)

Instance details

Name *: MyLoadBalancer

Region *: East US

SKU *: Basic (Retiring on September 30, 2025)

Microsoft recommends using the Standard SKU load balancer for production workloads. New Basic SKU instances cannot be deployed after March 31, 2025. Basic SKU will be retired on September 30, 2025. [Learn more](#).

Type *: Internal

Tier *: Regional

[Review + create](#) [< Previous](#) [Next : Frontend IP configuration >](#) Download a template for automation [Give feedback](#)

Server Manager ▶ Dashboard

Add Roles and Features Wizard

WELCOME TO SERVER MANAGER

Select role services

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results

Select the role services to install for Web Server (IIS)

Role services

- Web Server**
 - Common HTTP Features
 - Default Document
 - Directory Browsing
 - HTTP Errors
 - Static Content
 - HTTP Redirection
 - WebDAV Publishing
 - Health and Diagnostics
 - HTTP Logging
 - Custom Logging
 - Logging Tools
 - ODBC Logging
 - Request Monitor
 - Tracing
 - Performance
 - Static Content Compression
 - Dynamic Content Compression
 - Security

DESTINATION SERVER
MyWindowsVM-1

Description

Web Server provides support for HTML Web sites and optional support for ASP.NET, ASP, and Web server extensions. You can use the Web Server to host an internal or external Web site or to provide an environment for developers to create Web-based applications.

1

< Previous Next > Install Cancel

1/16/2025 10:23 AM 1/16/2025 10:23 AM 10:23 AM 1/16/2025

Server Manager ▶ Dashboard

Add Roles and Features Wizard

WELCOME TO SERVER MANAGER

DESTINATION SERVER
MyWindowsVM-1

Select features

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results

Select one or more features to install on the selected server.

Features

- .NET Framework 3.5 Features
- .NET Framework 4.6 Features (2 of 7 installed)
- Background Intelligent Transfer Service (BITS)
- BitLocker Drive Encryption (Installed)
- BitLocker Network Unlock
- BranchCache
- Client for NFS
- Containers
- Data Center Bridging
- Direct Play
- Enhanced Storage (Installed)
- Failover Clustering
- Group Policy Management
- Host Guardian Hyper-V Support
- I/O Quality of Service
- IIS Hostable Web Core
- Internet Printing Client
- IP Address Management (IPAM) Server
- iSNS Server service

Description

.NET Framework 3.5 combines the power of the .NET Framework 2.0 APIs with new technologies for building applications that offer appealing user interfaces, protect your customers' personal identity information, enable seamless and secure communication, and provide the ability to model a range of business processes.

< Previous Next > Install Cancel

1 / 1

10:22 AM 1/16/2025

Server Manager ▶ Dashboard

Manage Tools View Help

WELCOME TO SERVER MANAGER

Add Roles and Features Wizard

DESTINATION SERVER
MyWindowsVM-1

Select server roles

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results

Select one or more roles to install on the selected server.

Roles

- Active Directory Certificate Services
- Active Directory Domain Services
- Active Directory Federation Services
- Active Directory Lightweight Directory Services
- Active Directory Rights Management Services
- Device Health Attestation
- DHCP Server
- DNS Server
- Fax Server
- File and Storage Services (1 of 12 installed)
 - Host Guardian Service
 - Hyper-V
 - MultiPoint Services
 - Network Controller
 - Network Policy and Access Services
 - Print and Document Services
 - Remote Access
 - Remote Desktop Services
 - Volume Activation Services
 - Web Server (IIS)

Description

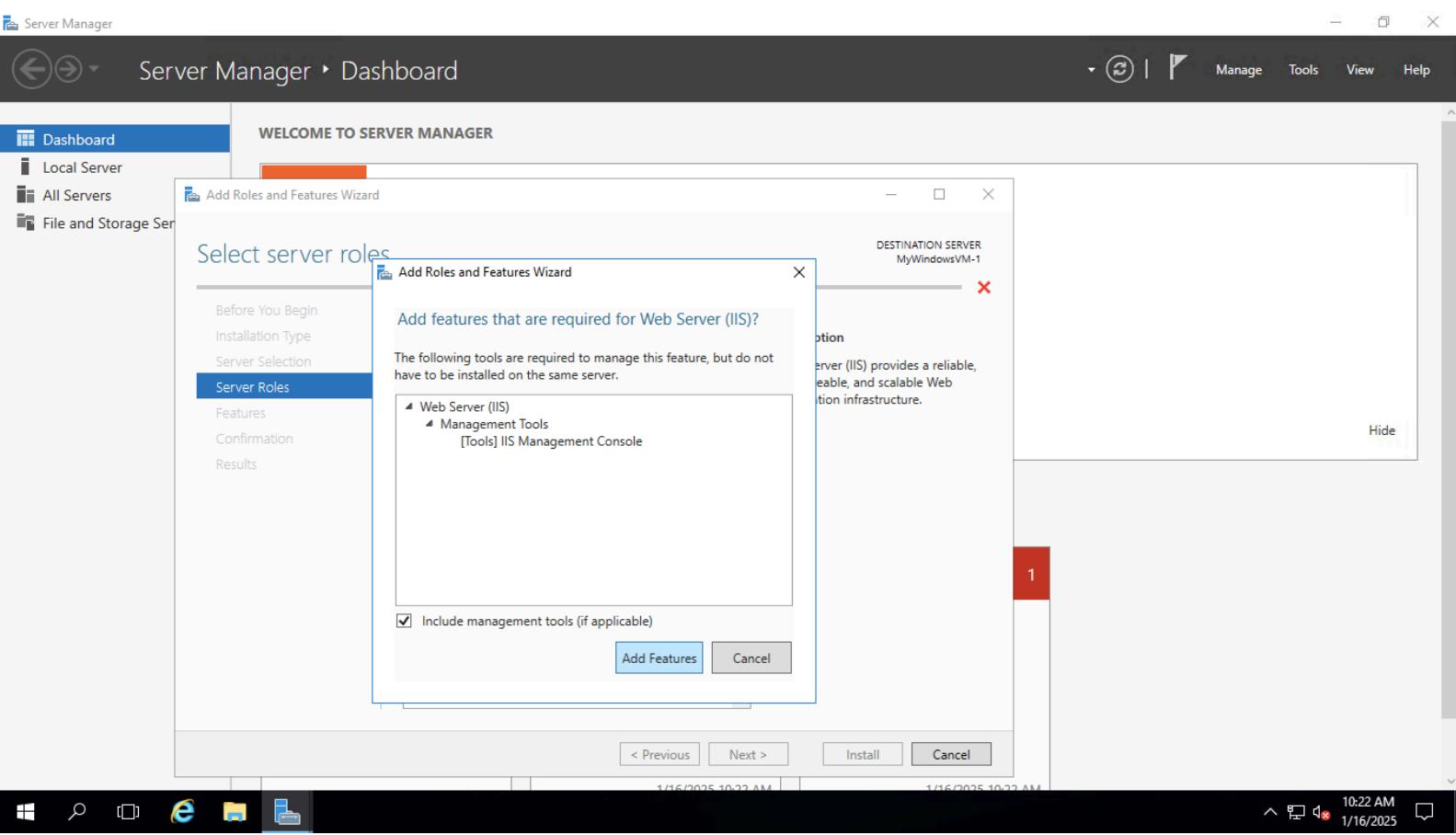
Web Server (IIS) provides a reliable, manageable, and scalable Web application infrastructure.

Hide

1

< Previous Next > Install Cancel

1/16/2025 10:22 AM 1/16/2025 10:22 AM 10:22 AM 1/16/2025



Dashboard

Local Server

All Servers

WELCOME TO SERVER MANAGER

QUICK START

- 1 Configure this local server
- 2 Add roles and features
- 3 Add other servers to manage
- 4 Create a server group
- 5 Connect this server to cloud services

WHAT'S NEW

LEARN MORE

Hide

ROLES AND SERVER GROUPS

Roles: 0 | Server groups: 1 | Servers total: 1

Local Server

1

Manageability

- Events
- Services
- Performance
- BPA results

All Servers

1

Manageability

- Events
- Services
- Performance
- BPA results

Native RDP

Connect from your local machine (Windows)

Prerequisites configured

Port 3389 access
Port 3389 on this virtual machine is accessible from the local machine IP (91.210.250.95). [Learn more](#)

Public IP address: 172.174.244.63
A public IP address is required to connect via this connection method.

Configured

Open Remote Desktop Connection (on Windows)
Open Remote Desktop Connection. Or change your local machine operating system to view more instructions. [Learn more](#)

Download and open the RDP file
Download and open the RDP file to connect to the virtual machine.

Username: [Download RDP file](#)

Other Information

- Forgot password? [Reset password](#)

More ways to connect

Close [Troubleshooting](#) [Give feedback](#)

A screenshot of a Microsoft Azure Cloud Shell interface. The top navigation bar shows tabs for "Modуль 5. Kubernetes в дії", "Add - AnkiWeb", "app.landingsite.ai/website-cl", "SSH using Azure CLI - Micro", and "Azure Compute Services Pra". The main area is a terminal window titled "Microsoft Azure" with an "Upgrade" button. The terminal shows a PowerShell session with the following command and output:

```
$ echo "Welcome to VM1" | sudo tee /var/www/html/index.html
Welcome to VM1
$
```

Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landingsite.ai/website-cl x | SSH using Azure CLI - Micro x | Azure Compute Services Pra x | +

portal.azure.com/#@ukrsiteukr.onmicrosoft.com/resource/subscriptions/bf75502e-bab2-4709-9623-046fbddb39b7/resource... Copilot | 3 | Settings | Help | S: Microsoft Azure Upgrade Search resources, services, and docs (G+/)

Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

3 updates can be applied immediately.
3 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See <https://ubuntu.com/esm> or run: sudo pro status

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

```
$ sudo apt update
Hit:1 http://azure.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu noble-security InRelease
Hit:5 https://packages.microsoft.com/repos/microsoft-ubuntu-noble-prod noble InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
9 packages can be upgraded. Run 'apt list --upgradable' to see them.
$ sudo apt update & sudo apt install nginx -y
```

Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landsite.ai/website-cl x | SSH using Azure CLI - Micro x | Azure Compute Services Pre x | +

portal.azure.com/#@ukrsiteukr.onmicrosoft.com/resource/subscriptions/bf75502e-bab2-4709-9623-046fbddb39b7/resource...

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SSH using Azure CLI - Microsoft Compute Services Preview

ukrsite@ukr.net DEFAULT DIRECTORY

Home > Virtual machines > MyLinuxVM-1

Virtual machines

Default Directory

+ Create Switch to classic ...

Filter for any field... Name ↑

MyLinuxVM-1 MyWindowsVM-1

MyLinuxVM-1 | Connect

Virtual machine

azureuser Port (change) 22 Check access Just-in-time policy Unsupported by plan

Search

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Connect

SSH using Azure CLI

Quickly connect in browser authentication. Private key n Public IP address (48.216.24

Select

Recommended

Most common

Configure prerequisites for SSH using Azure CLI

Azure needs to configure some features in order to connect to the VM.

1 Ready for configuration

System assigned managed identity

Azure will configure a system-assigned managed identity in order to enable the Microsoft Entra ID login extension. [Learn more](#)

Microsoft Entra ID SSH Login Extension

The Microsoft Entra ID based SSH Login extension will securely connect to the VM using Microsoft Entra ID instead of SSH or a username and password. [Learn more](#)

Virtual machine user or administrator login

A virtual machine administrator login role on the resource group will allow login to the virtual machine via CloudShell. [Learn more](#)

Port 22 access

Port 22 is accessible on this virtual machine for all configured IPs. [Learn more](#)

Change the port for connecting to this virtual machine on the Connect page of the virtual machine.

Public IP address: 48.216.241.167

A public IP address is required to connect via this connection method.

I understand just-in-time policy on the virtual machine may be re-configured to allow any source IP to request just-in-time access to port 22.

Configure + connect

Close Troubleshooting Give feedback

Page 1 of 1 >

Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landingsite.ai/website-cl... x | MyLinuxVM-1 - Microsoft Az... x | Azure Compute Services Pre... x | +

portal.azure.com/#@ukrsiteukr.onmicrosoft.com/resource/subscriptions/bf75502e-bab2-4709-9623-046fbddb39b7/resource... Copilot | 3 | ⚙️ | 🌐 | ? | ukrsite@ukr.net DEFAULT DIRECTORY

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Home > Virtual machines > MyLinuxVM-1

Virtual machines

Default Directory

+ Create Switch to classic

Filter for any field...

Name	...
MyLinuxVM-1	...
MyWindowsVM-1	...

Page 1 of 1

MyLinuxVM-1 | Connect

Virtual machine

Search

azureuser
Port (change)
22 [Check access](#)

Just-in-time policy
Unsupported by plan

Recommended

SSH using Azure CLI

Quickly connect in browser. Supports Microsoft Entra ID authentication. Private key not required.

Public IP address (48.216.241.167)

Select

Most common

Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landsite.ai/website-cl x | CreateVm-MicrosoftWindows x | Azure Compute Services Pra x | +

portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2Fbf75502e-bab2-4709-96... Copilot 3 S uksite@ukr.net DEFAULT DIRECTORY

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Home > CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250116120721 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview Inputs Outputs Template

Deployment is in progress

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsS... Start time: 1/16/2025, 12:09:22 PM
Subscription: Azure subscription 1 Correlation ID: 3dee36bd-e851-4785-bd9c-73c301
Resource group: RS1

Correlation ID:3dee36bd-e851-4785-bd9c-73c3063fbf76CMD+C to clipboard

Deployment details

Resource	Type	Status	Operation details
MyWindowsVM-1-nsg	Microsoft.Network/network... Microsoft.Network/publiccl...	Created	Operation details
MyWindowsVM-1-ip	Microsoft.Network/publiccl...	Created	Operation details

Give feedback [Tell us about your experience with deployment](#)

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Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landingsite.ai/website-cl x | Create a virtual machine - M x | Azure Compute Services Pra x | +

portal.azure.com/#create/Microsoft.VirtualMachine

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Home > 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

Virtual network * MyLinuxVM-1-vnet Create new

Subnet * default (10.2.0.0/24) Manage subnet configuration

Public IP (new) MyWindowsVM-1-ip Create new

NIC network security group None Basic Advanced

Public inbound ports * None Allow selected ports

Select inbound ports * HTTP (80), RDP (3389)

⚠ This will allow all IP addresses to access your virtual machine. This is only

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Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landingsite.ai/website-cl x | Create a virtual machine - M x | Azure Compute Services Pra x | +

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

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Home > CreateVm-canonical.ubuntu-24_04-lts-server-20250116115417 | Overview >

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

Administrator account

Username * ✓

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 *

ⓘ All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.

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Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landsite.ai/website-cl x | Create a virtual machine - M x | Azure Compute Services Pra x | +

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Home > CreateVm-canonical.ubuntu-24_04-lts-server-20250116115417 | Overview >

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 security features

Image * ⓘ Windows Server 2016 Datacenter - x64 Gen2 (free services eligible) ▾

See all images | Configure VM generation

VM architecture ⓘ

Arm64 x64

Arm64 is not supported with the selected image.

Run with Azure Spot discount ⓘ

You are in the free trial period. Costs associated with this VM can be covered by any remaining credits on your subscription.
[Learn more](#)

Size * ⓘ Standard_DS1_v2 - 1 vcpu, 3.5 GiB memory (86.87 \$/month) ▾

See all sizes

Enable Hibernation ⓘ

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Home > CreateVm-canonical.ubuntu-24_04-lts-server-20250116115417 | Overview >

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

Subscription × Azure subscription 1

Resource group * RS1 Create new

Instance details

Virtual machine name * MyWin-1

Region * (US) East US

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
(i) Using an Azure-selected zone is not supported in region 'East US'.

Availability zone * Zone 2

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

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Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landingsite.ai/website-cl x | CreateVm-canonical.ubuntu x | Azure Compute Services Pre x | +

portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2Fbf75502e-bab2-4709-96... Copilot | S: uksite@ukr.net DEFAULT DIRECTORY

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Home > CreateVm-canonical.ubuntu-24_04-Its-server-20250116115417 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview Inputs Outputs Template

Your deployment is complete

Deployment name: CreateVm-canonical.ubuntu-24_04-Its-server-... Start time: 1/16/2025, 11:59:18 AM
Subscription: Azure subscription 1 Correlation ID: cb4f4166-8d0b-4e16-86fb-a129287
Resource group: RS1

Deployment details

Next steps

Setup auto-shutdown Recommended
Monitor VM health, performance and network dependencies Recommended
Run a script inside the virtual machine Recommended

Go to resource Create another VM

Give feedback Tell us about your experience with deployment

Deployment succeeded Deployment 'CreateVm-canonical.ubuntu-24_04-Its-server-20250116115417' to resource group 'RS1' was successful.

Go to resource Pin to dashboard

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portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2Fbf75502e-bab2-4709-96... Copilot | S | Microsoft Azure Upgrade Search resources, services, and docs (G+/) Copilot | uksite@ukr.net DEFAULT DIRECTORY

Home > CreateVm-canonical.ubuntu-24_04-lts-server-20250116115417 | Overview

Deployment

Search

Deployment

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name: CreateVm-canonical.ubuntu-24_04-lts-server-... Start time: 1/16/2025, 11:59:18 AM
Subscription: Azure subscription 1 Correlation ID: cb4f4166-8d0b-4e16-86fb-a129287
Resource group: RS1

Deployment details

Resource	Type	Status	Operation details
MyLinuxVM-1-vnet	Microsoft.Network/virtual...	Created	Operation details
MyLinuxVM-1-nsg	Microsoft.Network/network...	Created	Operation details
MyLinuxVM-1-ip	Microsoft.Network/publiccl...	OK	Operation details

Give feedback

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Home > 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

Network interface

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

Virtual network * (new) MyLinuxVM-1-vnet Create new

Subnet * (new) default (10.2.0.0/24)

Public IP (new) MyLinuxVM-1-ip Create new

NIC network security group (new) None Basic Advanced

Public inbound ports * (new) None Allow selected ports

Select inbound ports * HTTP (80), SSH (22)

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Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landingsite.ai/website-cl x | Create a virtual machine - M x | Azure Compute Services Pra x | +

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

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Home > 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

Username * ✓

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 *

HTTP (80), SSH (22)

HTTP (80)
 HTTPS (443)
 SSH (22)

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Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landingsite.ai/website-cl x | Create a virtual machine - M x | Azure Compute Services Pra x | +

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

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Home > 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

Image * Ubuntu Server 24.04 LTS - x64 Gen2 (free services eligible) See all images | Configure VM generation

VM architecture Arm64 x64

Run with Azure Spot discount

Info You are in the free trial period. Costs associated with this VM can be covered by any remaining credits on your subscription. [Learn more](#)

Size * Standard_B1s - 1 vcpu, 1 GiB memory (7.59 \$/month) (free services eligible) See all sizes

Enable Hibernation
Info Hibernate does not currently support Trusted launch and Confidential virtual machines for Linux images. [Learn more](#)

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Модуль 5. Kubernetes в дії | x | Add - AnkiWeb x | app.landingsite.ai/website-cl x | Create a virtual machine - M x | Azure Compute Services Pra x | +

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

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Home > 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

your resources.

Subscription * ⓘ Azure subscription 1 (New) RS1 Create new

Resource group * ⓘ

Instance details

Virtual machine name * ⓘ MyLinuxVM-1

Region * ⓘ (US) East US

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

ⓘ Using an Azure-selected zone is not supported in region 'East US'.

Availability zone * ⓘ Zone 2

< Previous Next : Disks > Review + create Give feedback