

# APPLICATION GATEWAY

This screenshot shows the 'Create virtual network' page in the Microsoft Azure portal. The page is titled 'Create virtual network' and has a breadcrumb trail: 'Home > Network foundation | Virtual networks'. A green banner at the top indicates 'Validation passed'. Below this, there are tabs for 'Basics', 'Security', 'IP addresses', 'Tags', and 'Review + create', with 'Review + create' being the active tab. The 'Basics' section contains the following information:

- Subscription: Azure subscription 1
- Resource Group: nandhini
- Name: vnet-01
- Region: Korea Central

The 'Security' section shows the following settings:

- Azure Bastion: Disabled
- Azure Firewall: Disabled
- Azure DDoS Network Protection: Disabled

The 'IP addresses' section shows the address space: 10.0.0.0/16 (65,536 addresses).

At the bottom of the page, there are buttons for 'Previous', 'Next', 'Create', and 'Download a template for automation'. A 'Give feedback' link is also present.

This screenshot shows the 'vnet-01' overview page in the Microsoft Azure portal. The page is titled 'vnet-01' and has a breadcrumb trail: 'Home > vnet-01-1770026972105 | Overview'. The page is divided into several sections:

- Overview**: This section contains a search bar and a list of actions: 'Move', 'Delete', 'Refresh', and 'Give feedback'.
- Essentials**: This section displays key information about the virtual network:

Property	Value
Resource group	nandhini
Location	Korea Central
Subscription	Azure subscription 1
Subscription ID	a3107e0d-376f-4650-b383-aa7b2b3c0c9a
Address space	10.0.0.0/16
Subnets	2 subnets
DNS servers	Azure provided DNS service
BGP community string	Configure
Virtual network ID	cf1b15a2-7859-4bf1-aaff-c97cef7a9cc

- Tags**: This section shows 'Add tags'.
- Capabilities (5)**: This section displays five capabilities that are currently 'Not configured':
  - DDoS protection: Configure additional protection from distributed denial of service attacks.
  - Azure Firewall: Protect your network with a stateful L3-L7 firewall.
  - Peerings: Seamlessly connect two or more virtual networks.
  - Microsoft Defender for Cloud: Strengthen the security posture of your environment.
  - Private endpoints: (partially visible)

At the bottom of the page, there is a note: 'Add or remove favorites by pressing Ctrl+Shift+F'.

Microsoft Azure portal showing the overview of a virtual machine named **server01**. The VM is running Linux (ubuntu 24.04) and is located in the Korea Central region. The public IP address is 20.196.208.140.

**Essentials**

Resource group (move)	: nandhini	Operating system	: Linux (ubuntu 24.04)
Status	: Running	Size	: Standard_D2s_v3
Location	: Korea Central	Primary NIC public IP	: 20.196.208.140
Subscription (move)	: Azure subscription 1	Virtual network/subnet	: vnet-koreacentral/subnet01
Subscription ID	: a3107e0d-376f-4650-b383-aa7b2b3cd9a	DNS name	: Not configured
Tags (edit)	: Add tags	Health state	: -
		Time created	: 2/2/2026, 10:22 AM UTC

**Properties** Monitoring Capabilities (7) Recommendations Tutorials

**Virtual machine**

Computer name	: server01	Public IP address	: 20.196.208.140 (Network interface server01385)
Operating system	: Linux (ubuntu 24.04)		: 1 associated public IPs

Browser window showing the URL <http://20.196.208.140>. The page displays a "Welcome to nginx!" message.

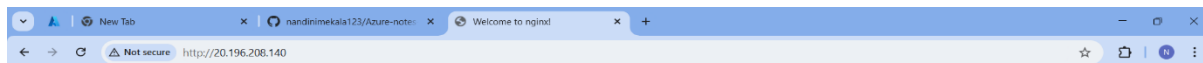
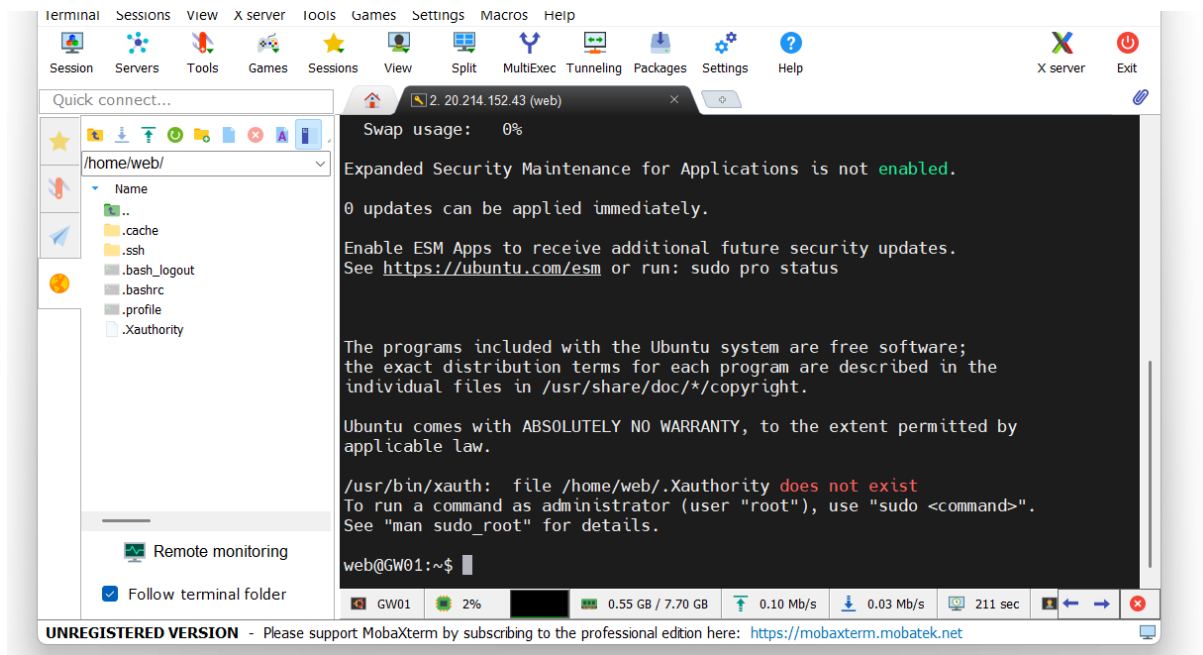
## Welcome to nginx!

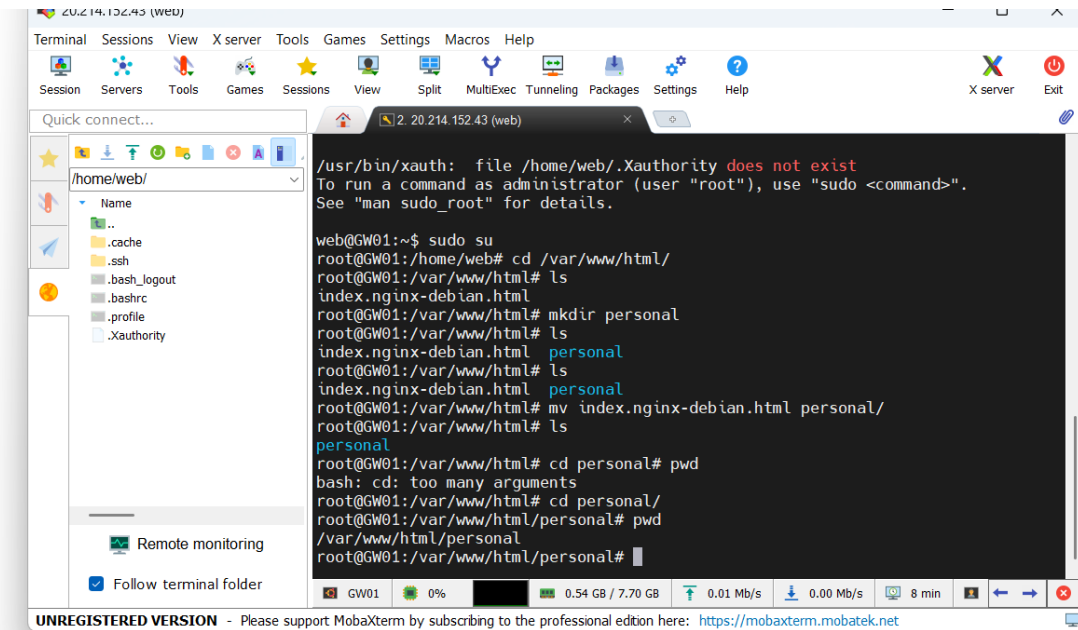
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](http://nginx.org).  
Commercial support is available at [nginx.com](http://nginx.com).

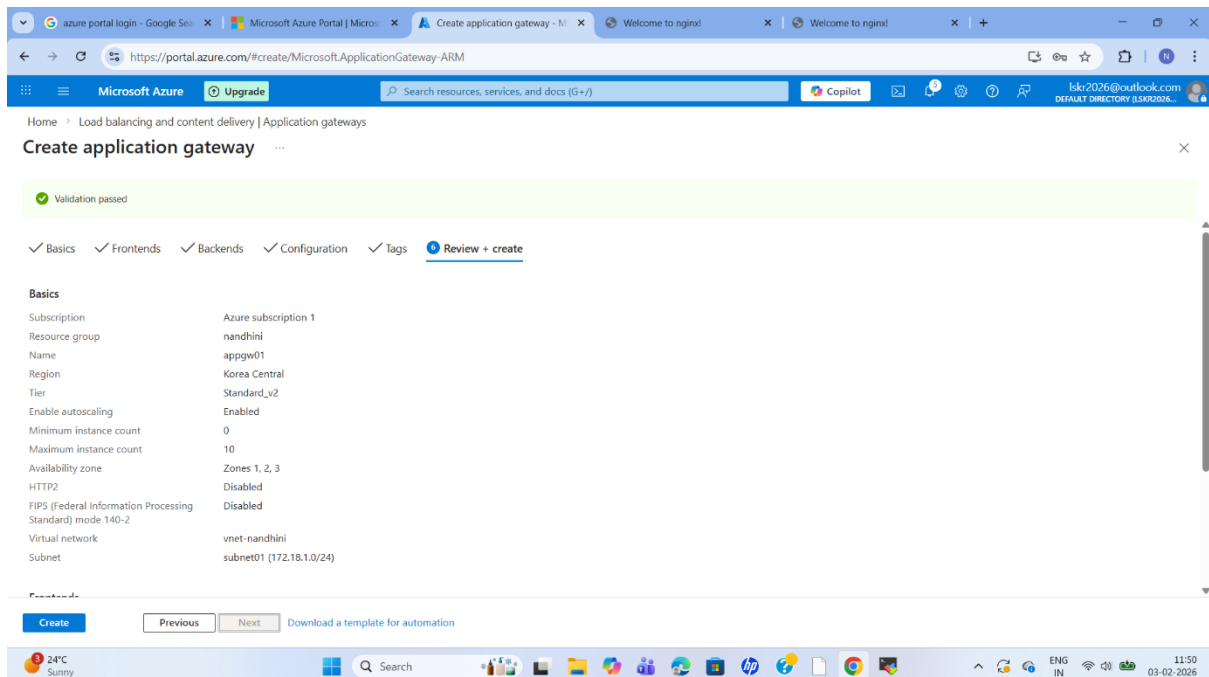
*Thank you for using nginx.*

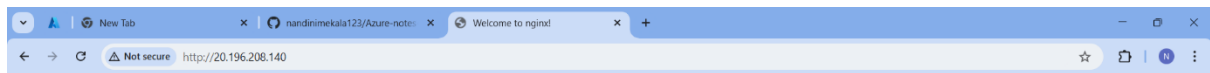
Windows taskbar showing the system clock at 15:54 on 02-02-2026, and the weather as 28°C Sunny.





## NOW CREATE APPLICATION GATEWAY



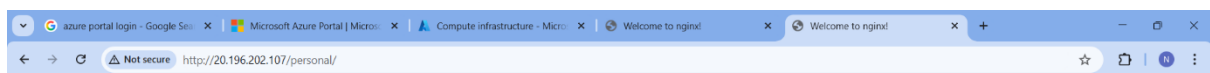


## Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](http://nginx.org).  
Commercial support is available at [nginx.com](http://nginx.com).

*Thank you for using nginx.*



## Welcome to personal bank!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](http://nginx.org).  
Commercial support is available at [nginx.com](http://nginx.com).

*Thank you for using nginx.*



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https://portal.azure.com/#create/Microsoft.ApplicationGateway-ARM

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Home > Load balancing and content delivery | Application gateways

### Create application gateway

Basics Frontends Backends **Configuration** Tags Review + create

Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second

**Frontends**

+ Add a frontend IP

Public (new) apppip

#### Add a routing rule

Configure a routing rule to send traffic from a given frontend IP address to one or more backend targets. A routing rule must contain a listener and at least one backend target.

Rule name \* ignorerule

Priority \* 808

\* Listener \* Backend targets

A listener "listens" on a specified port and IP address for traffic that uses a specified protocol. If the listener criteria are met, the application gateway will apply this routing rule.

Listener name \* ignorerelisnar

Frontend IP \* Public IPv4

Protocol HTTP HTTPS TCP TLS

Port \* 808

Listener type Basic Multi site

**Custom error pages**

Show customized error pages for different response codes generated by Application Gateway. This section lets you configure Listener-specific error pages. [Learn more](#)

Please verify that the url(s) being added here is reachable from your application gateway using the [connection troubleshoot](#) tool to prevent any deployment error.

Bad Gateway - 502 Enter Html file URL

Previous Next: Tags >

Add Cancel

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https://portal.azure.com/#@lskr2026@outlook.onmicrosoft.com/resource/subscriptions/a3107e0d-376f-4650-b383-aa7b2b3c0c9a/resourceGroups/nandhini/providers/Microsoft.Netw...

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Home > Load balancing and content delivery | Application gateways

### Load balancing and content delivery ...

Overview

Load balancing

Application gateways

Load balancers

Content delivery

DNS load balancing

Related services

Name ↑

appgw01

Sai-Azalb

sushmi-api

Showing 1 - 3 of 3. Display count: auto

Add or remove favorites by pressing Ctrl+L+Shift+F

#### appgw01

Application gateway

Suggest connectivity model for this gateway Troubleshoot connectivity issues in this gateway +1

Search

Delete Refresh Feedback

Updating

Subscription (move) Azure subscription 1

Subscription ID a3107e0d-376f-4650-b383-aa7b2b3c0c9a

Tags (edit) Add tags

Frontend private IP address -

Tier Standard V2

Availability zone 1, 2, 3

Recommendations Metrics

**Your resource is following Light best practices.**

Azure Advisor provides personalized recommendations to reduce costs, increase security, optimize performance and reliability and achieve operational excellence.

[View recommendations for all your resources in Azure Advisor](#)

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24°C Sunny Search

11:54 03-02-2026

Add backend setting

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Sai-Azalb

sushmi-api

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### Add Backend setting

Backend settings name \*

home-setting

Backend protocol

HTTP HTTPS TCP TLS

Backend port \*

80

Additional backend settings

Cookie-based affinity

Enable Disable

Connection draining

Enable Disable

Dedicated backend connection

Enable Disable

Request time-out (seconds) \*

20

Override backend path

Save Cancel

26°C Sunny 12:02 03-02-2026

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### appgw01 | Backend pools

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Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

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Private link

SSL settings

Listeners

Rules

### Add backend pool

A backend pool is a collection of resources to which your application gateway can send traffic. A backend pool can contain virtual machines, virtual machines scale sets, IP addresses, domain names, or an App Service.

Name \*

hoom-pool

Add backend pool without targets

Yes No

Backend targets

1 item

Target type	Target
Virtual machine	homepage16 (172.18.0.4)
IP address or FQDN	

Add Cancel

https://portal.azure.com/#@lskr2026outlook.onmicrosoft.com/resource/subscriptions/a3107e0d-376f-4650-b383-aa7b2b3c0c9a/resourceGroups/nandhini/providers/Microsoft.Netw... 26°C Sunny 11:57 03-02-2026

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https://portal.azure.com/#@lskr2026outlook.onmicrosoft.com/resource/subscriptions/a3107e0d-376f-4650-b383-aa7b2b3c0c9a/resourceGroups/nandhini/providers/Microsoft.Netw...

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appgw01 | Listeners Application gateway

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Add listener

appgw01

Listener name \* app-listener

Frontend IP \* Public

Protocol \* HTTP HTTPS TCP TLS

Port \* 80

Name Listener type \* Basic Multi site

SSL Policy The SSL policy defines the SSL policies or certificates that are used by the listener. This section lets you configure listener-specific error pages. Learn more

Custom error pages Show customized error pages for different response codes generated by Application Gateway. This section lets you configure listener-specific error pages. Learn more

Please verify that the url(s) being added here is reachable from your application gateway using the connection troubleshoot tool to prevent any deployment error.

Selected SSL Policy name AppGWSslPol Min protocol TLSv1.2 Cipher suites TLS\_AES\_128\_ TLS\_AES\_256\_

Bad Gateway - 502 Enter HTML file URL

Forbidden - 403

Add Cancel

26°C Sunny Search ENG IN 12:04 03-02-2026

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Showing 1 - 3 of 3. Display count: auto

Add or remove favorites by pressing Ctrl+Shift+F

Add health probe

appgw01

Name \* home-hp

Protocol \* HTTP HTTPS TCP TLS

Pick host name from backend settings Yes No

Host \* 20.196.202.107

Pick port from backend settings Yes No

Path \* /

Interval (seconds) \* 30

Timeout (seconds) \* 30

Unhealthy threshold \* 3

Use probe matching conditions Yes No

Backend settings 0 selected

I want to test the backend health before adding the health probe

Test Cancel

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### Add a routing rule

appgw01

Configure a routing rule to send traffic from a given frontend IP address to one or more backend targets. A routing rule must contain a listener and at least one backend target.

Rule name \* rule

Priority \* 100

\*Listener \* Backend targets

A listener "listens" on a specified port and IP address for traffic that uses a specified protocol. If the listener criteria are met, the application gateway will apply this routing rule.

Listener \* app-listener

Add Cancel

26°C Sunny 12:16 03-02-2026

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Listener \* app-listener

Add Cancel

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### Add a routing rule

appgw01

Configure a routing rule to send traffic from a given frontend IP address to one or more backend targets. A routing rule must contain a listener and at least one backend target.

Rule name \* rule

Priority \* 100

\* Listener \* Backend targets

Choose a backend pool to which this routing rule will send traffic. You will also need to specify a set of Backend settings that define the behavior of the routing rule. ⚙

Target type

Backend target \* hoom-pool

Backend settings \* home-setting

Path-based routing

You can route traffic from this rule's listener to different backend targets based on the URL path of the request. You can also apply a different set of Backend settings based on the URL path. ⚙

Path based rules

Path	Target name	Backend setting name	Backend pool
/personal/*	personal	GW01	ingnorebackend

Add Cancel

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Showing 1 - 3 of 3. Display count: auto

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### appgw01 | Frontend IP configurations

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Private link

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Rewrites

Health probes

Properties

Locks

Monitoring

Automation

Help

Add or remove favorites by pressing Ctrl+Shift+F

Search frontend IP configurations

Type	Status	Name	IP address	Associated
Public	Configured	appGwPublicFrontend...	20.196.226.159 (apppi...	ingnorelisi
Private	Not configured	-	-	-

26°C Sunny 12:20 03-02-2026