

LOAD BALANCING

The screenshot displays the Microsoft Azure portal interface for a virtual machine named 'salaar-vm2'. The left sidebar shows the navigation menu with options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Resource visualizer, Connect, Networking, Network settings, Load balancing, Application security groups, Network manager, Settings, Availability + scale, and Security. The main content area is divided into several sections:

- Overview:** Shows the VM's status as 'Running' and provides links to connect, start, restart, stop, hibernate, capture, delete, refresh, open in mobile, feedback, and CLI/PS.
- Essentials:** Displays key information about the VM, including its resource group, location, subscription, and operating system.
- Properties:** A tab that provides detailed specifications for the VM, including its name, operating system, VM generation, architecture, agent status, agent version, hibernation settings, host group, host, proximity placement group, colocation status, capacity reservation group, and disk controller type.
- Networking:** Shows the public IP address (23.100.89.211) and the network interface (salaar-vm2489).
- Size:** Displays the VM's size (Standard D2s v3) and its hardware specifications (2 vCPUs, 8 GiB RAM).

The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying the date and time (13:25, 30-01-2026).

Microsoft Azure portal interface showing the 'Virtual machines' page. The left sidebar lists virtual machines: 'salaar-vm1', 'salaar-vm2', 'Vlapp01', and 'Vwebser01'. The main pane shows the 'Overview' tab for 'salaar-vm1'. The 'Essentials' section displays key information: Resource group (salaar), Status (Running), Location (East Asia), Subscription (Azure subscription 1), Subscription ID (5d75b66d-66bf-44e0-8d7e-7e61e4b043d7), Operating system (Linux (ubuntu 22.04)), Size (Standard D2s v3 (2 vcpus, 8 GiB memory)), Primary NIC public IP (20.205.0.220), Virtual network/subnet (vnet-eastasia/snet-eastasia-1), DNS name (Not configured), Health state (-), Time created (1/30/2026, 7:36 AM UTC), and Tags (Add tags). The bottom of the screenshot shows a web browser window displaying the 'Welcome to nginx!' page, indicating that the nginx web server is successfully installed and working.

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.
Commercial support is available at nginx.com.

Thank you for using nginx.

Windows taskbar showing the system tray area. The taskbar includes the Start button, a search bar, and several pinned application icons. The system tray on the right shows the date and time as 16:07 on 30-01-2026, along with icons for network, volume, and power.



Welcome to nginx!

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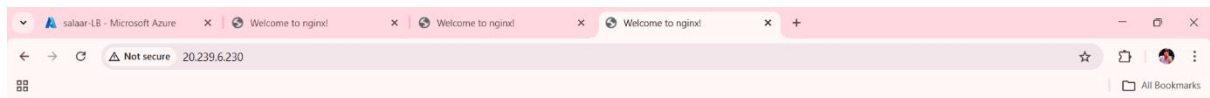
For online documentation and support please refer to nginx.org.
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Thank you for using nginx.

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the 'Microsoft Azure' logo, a search bar, and a 'Copilot' button. The main content area displays the 'Overview' page for a Load Balancer named 'salaar-LB'. The page includes a sidebar with navigation options like 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Resource visualizer', 'Settings', 'Monitoring', 'Automation', and 'Help'. The main content area shows the 'Essentials' section with a table of properties:

Property	Value
Resource group	salaar
Location	East Asia
Subscription	Azure subscription 1
Subscription ID	5d75b66d-66bf-44e0-8d7e-7e61e4b043d7
SKU	Standard
Tier	Regional
Tags	Add tags

Below the table, there is a section titled 'Configure high availability and scalability for your applications' with a description and a 'Learn more' link. At the bottom, there are three cards: 'Balance IPv4 and IPv6 addresses', 'Build highly reliable applications', and 'Secure your networks', each with a brief description and a 'Learn more' link. The bottom of the page shows a taskbar with various application icons and system status information.



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Home > CreateLoadBalancerBladeV2-20260130162515 | Overview > salaar-LB

salaar-LB | Frontend IP configuration

Load balancer

Search

+ Add Refresh

The frontend IP address configuration of a load balancer serves as the entry point for incoming traffic to the load balancer, and the load balancer then distributes the traffic to the backend pool of virtual machines or services. [Learn more](#)

Type to start filtering ...

Showing all 1 items

Name	IP address	Rules count
salaar-FIP	20.239.6.230 (salaarPIP)	1

Give feedback

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Microsoft Azure

Upgrade

Search resources, services, and docs (G+)

Copilot

reddytkp2004@gmail.co...
DEFAULT DIRECTORY (REDDYLAB...

Home > CreateLoadBalancerBladeV2-20260130162515 | Overview > salaar-LB

salaar-LB | Backend pools

Load balancer

Search

+ Add Refresh

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Settings

Frontend IP configuration

Backend pools

Health probes

Load balancing rules

Inbound NAT rules

Outbound rules

Properties

Locks

The backend pool is a critical component of the load balancer. The backend pool defines the group of resources that will serve traffic for a given load-balancing rule. [Learn more.](#)

Search

Add filter

Backend pool	Resource Name	IP address	Network interface	Availability zone	Rules count	Resource Status	Admin state
salaarbckpol (1)	salaar-vm1	172.17.0.4	salaar-vm1183	-	1	Running	None

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Copilot

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Home > CreateLoadBalancerBladeV2-20260130162515 | Overview > salaar-LB

salaar-LB | Health probes

Load balancer

Search

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Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

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Frontend IP configuration

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Inbound NAT rules

Outbound rules

Properties

Locks

To check the health status of your instances, navigate to the Load Balancing Rules page

Name	Protocol	Port	Path	Used By
salaarPH	Tcp	80	-	salaarLBR

portal.azure.com/#view/Microsoft_Azure_Network/FrontendIPManage.ReactView/loadBalancerId/%2Fsubscriptions%2F5d75b66d-66bf-44e0-8d7e-7e61e4b043d7%2FresourceGroups%2Fs...

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Copilot

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DEFAULT DIRECTORY (REDDYLAB...

Home > CreateLoadBalancerBladeV2-20260130162515 | Overview > salaar-LB | Frontend IP configuration

salaar-FIP

...

salaar-LB

Name *

salaar-FIP

Type

Public

IP type

IP address

IP prefix

Public IP address *

salaarPIP (20.239.6.230)

Create new

Gateway Load balancer

None

Used by

The list of load balancing rules, inbound NAT rules, inbound NAT pools, and outbound rules using this IP address.

Name	Type
salaarLB	

Save Cancel

Give feedback

portal.azure.com/#view/Microsoft_Azure_Network/RegionalLBBackendPoolManage.ReactView/loadBalancerId/%2Fsubscriptions%2F5d75b66d-66bf-44e0-8d7e-7e61e4b043d7%2Fresour...

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Copilot

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DEFAULT DIRECTORY (REDDYLAB...

Home > CreateLoadBalancerBladeV2-20260130162515 | Overview > salaar-LB | Backend pools

salaarbkcpol

...

salaar-LB

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

Remove

Resource Name	Resource group	Type	IP configuration	IP Address	Availability set
salaar-vm1	salaar	Virtual machine	ipconfig1	172.17.0.4	-

Used by

The list of load balancing rules, inbound NAT rules, and outbound rules using this backend pool.

Name	Type
salaarLB	Load balancing rule

Save Cancel Give feedback

27°C
Partly sunny

Search

ENG
IN

17:18
30-01-2026

Home > CreateLoadBalancerBladeV2-20260130162515 | Overview > salaar-LB | Health probes

salaarPH

salaar-LB

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 * salaarPH

Protocol * TCP

Port * 80

Interval (seconds) * 5

Used by * salaarLBR

Save Cancel

Give feedback

Home > CreateLoadBalancerBladeV2-20260130162515 | Overview > salaar-LB | Load balancing rules

salaar-LB | Load balancing rules

Load balancer

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Resource visualizer
- Settings
 - Frontend IP configuration
 - Backend pools
 - Health probes
 - Load balancing rules
 - Inbound NAT rules
 - Outbound rules
 - Properties
 - Locks

A load balancer rule is a load-balancing rule that directs traffic to a specific backend pool. For example, a rule could be created to direct traffic to a specific virtual machine.

Filter by name...

Name

salaarLBR

Load balancing rule health status

salaarLBR

The table below provides an overview of the current status of this load balancing rule. Each backend instance's health is indicated by its State and Reason. [Learn more](#)

Properties

Protocol/Port	TCP/80
IP address count	1
Health probe	salaarPH
Overall state	100% of instances are healthy

Refresh

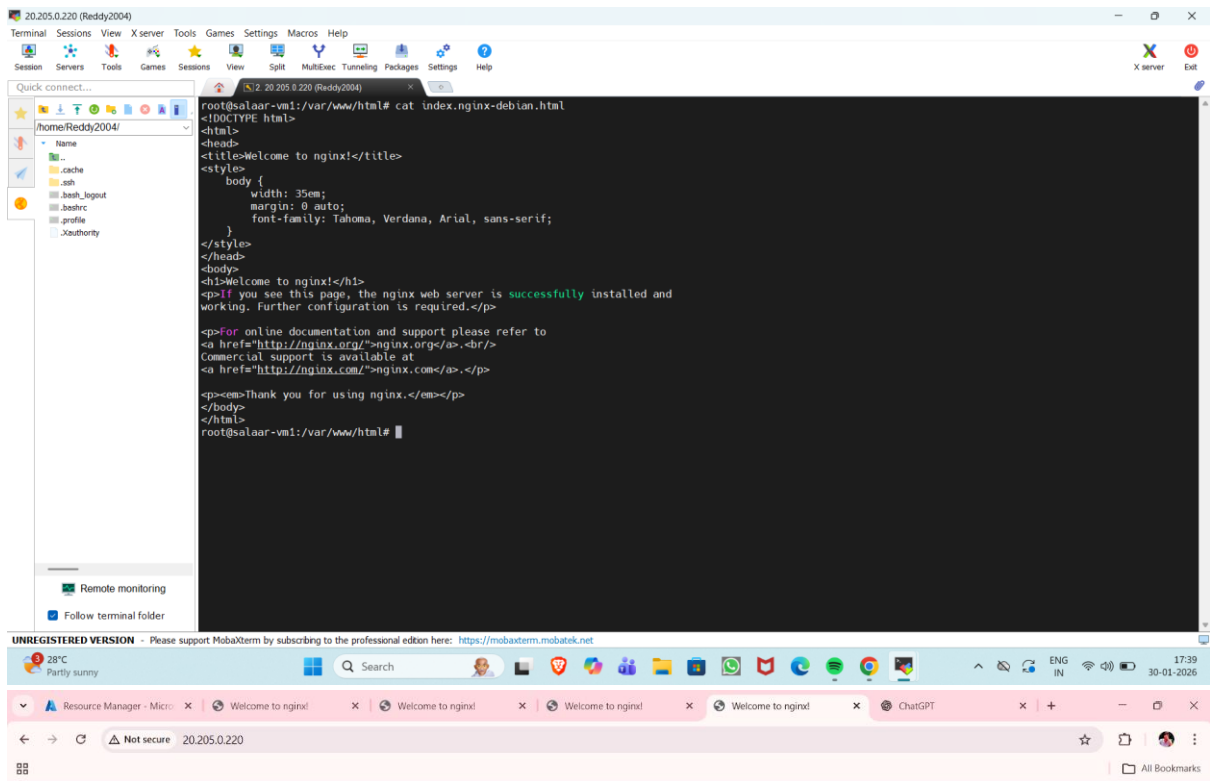
If load balancing rule lacks associated health probes or if the virtual machine is not operational, no information will be displayed regarding the load balancing rule state.

State: all

Resource Name	IP Address	State	Reason
salaar-vm1	172.17.0.4	Up	The backend instance is responding to health probe

Close

Add or remove favorites by pressing Ctrl+Shift+F



Welcome to Khansaar Ka Salaar

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