

# AZURE LOAD BALANCER

The screenshot displays the Microsoft Azure portal interface. The top navigation bar includes the 'Microsoft Azure' logo, an 'Upgrade' button, a search bar, and a user profile. The main content area shows the 'Overview' page for a virtual machine named 'web-01'. The left sidebar contains a navigation menu with options like 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Resource visualizer', 'Connect', 'Networking', 'Settings', 'Availability + scale', 'Security', and 'Backup + disaster recovery'. The 'Networking' section is expanded, showing 'Network settings', 'Load balancing', 'Application security groups', and 'Network manager'. The 'Overview' page for 'web-01' includes a 'Help me copy this VM in any region' button, a 'Connect' dropdown, and a row of action buttons: 'Start', 'Restart', 'Stop', 'Hibernate', 'Capture', 'Delete', 'Refresh', 'Open in mobile', 'Feedback', and 'CLI / PS'. Below these are two tabs: 'Essentials' and 'JSON View'. The 'Essentials' tab shows details for the resource group 'web-01\_group', status 'Running', location 'Australia East (Zone 1)', subscription 'Azure subscription 1', and subscription ID 'a3107e0d-376f-4650-b383-aa7b2b3c0c9a'. It also lists the primary NIC public IP '20.213.186.154' and the virtual network/subnet 'nandhini/subnet-01'. The 'Properties' tab shows the computer name 'web-01' and operating system 'Linux (ubuntu 24.04)'. The 'Networking' tab shows the public IP address '20.213.186.154' and the network interface 'web-01675\_x1'.

The screenshot shows a web browser window with the address bar displaying 'http://20.213.186.154'. The page content includes a 'Welcome to nginx!' heading, a message stating 'If you see this page, the nginx web server is successfully installed and working. Further configuration is required.', and links to 'nginx.org' for online documentation and support, and 'nginx.com' for commercial support. The footer of the page says 'Thank you for using nginx.'.

The screenshot shows the Windows taskbar at the bottom of the screen. It includes the Windows Start button, a search bar, and a row of application icons. The system tray on the right shows the date and time as '09:54 01-02-2026' and the language as 'ENG IN'.

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and a user profile. The main content area displays the details of a virtual machine named 'web-02'. 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, Security, and Backup + disaster recovery. The main content area has a warning banner at the top stating 'web-02 virtual machine agent status is not ready. Troubleshoot the issue'. Below this, there are buttons for 'Help me copy this VM in any region' and 'Manage this VM with Azure CLI'. The 'Essentials' section lists key VM details: Resource group (web-01\_group), Status (Running), Location (Australia East), Subscription (Azure subscription 1), and Subscription ID (a3107e0d-376f-4650-b383-aa7b2b3cd9a). The 'Networking' section shows the Public IP address (20.92.73.94) and the Network interface (web-02264). The 'Properties' section shows the Computer name (web-02) and Operating system (Linux).

The screenshot shows a web browser window with the address bar displaying 'http://20.92.73.94'. The page content includes the heading 'Welcome to nginx!' and a message stating 'If you see this page, the nginx web server is successfully installed and working. Further configuration is required.' It also provides links for online documentation and support at 'nginx.org' and commercial support at 'nginx.com'. The footer of the page says 'Thank you for using nginx.'.

The screenshot shows the Windows taskbar at the bottom of the screen. It includes the Start button, a search bar, and several pinned application icons. The system tray on the right shows the date and time as '10:10 01-02-2026'.

Now create load balancer

Microsoft Azure portal interface showing the overview of a Load Balancer (LB-01). The page includes a sidebar with navigation options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Resource visualizer, Favorites, Locks, Settings, Monitoring, Automation, and Help. The main content area displays the Load Balancer's configuration details, including Resource group (az-lb), Location (Australia East), Subscription (Azure subscription 1), Subscription ID (a3107e0d-376f-4650-b383-aa7b2b3c0c9a), SKU (Standard), Tier (Regional), and Frontend IP address (20.92.67.121 (azf-ip)). It also provides links to Run diagnostic, Check performance, and JSON View. Below the configuration, there are three sections: Balance IPv4 and IPv6 addresses, Build highly reliable applications, and Secure your networks, each with a 'View' button. The bottom of the page shows a Windows taskbar with the date 01-02-2026 and time 10:20.

## Add backend pool

Microsoft Azure portal interface showing the 'Add backend pool' configuration page for LB-01. The page includes a sidebar with navigation options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Resource visualizer, Favorites, Locks, Settings, Monitoring, Automation, and Help. The main content area displays the 'Add backend pool' form, which includes fields for Name (bp), Virtual network (nandhini (web-01\_group)), and Backend Pool Configuration (NIC). Below the form, there is a section for IP configurations, which includes a table listing existing configurations. The table has columns for Resource Name, Resource group, Type, IP configuration, IP Address, and Availability set. The table shows one configuration: web-01, web-01\_group, Virtual machine, ipconfig1, 172.16.0.4, and -. The bottom of the page shows a Windows taskbar with the date 01-02-2026 and time 10:20.

Resource Name	Resource group	Type	IP configuration	IP Address	Availability set
web-01	web-01_group	Virtual machine	ipconfig1	172.16.0.4	-

Microsoft Azure portal showing the configuration of a Load Balancer (LB-01) under the 'Backend pools' tab. The page displays a table of backend pools, including details like Resource Name, IP address, Network interface, Availability zone, Rules count, Resource Status, and Admin state.

Backend pool	Resource Name	IP address	Network interface	Availability zone	Rules count	Resource Status	Admin state	
bp (1)	bp	web-01	172.16.0.4	web-01675_x1	1	0	Running	None

## Health probes

Microsoft Azure portal showing the configuration of a Load Balancer (LB-01) under the 'Health probes' tab. The page displays a table of health probes, including details like Name, Protocol, Port, Path, and Used By. A notification indicates that a probe has been successfully saved.

Name	Protocol	Port	Path	Used By
hprobe	Tcp	80	-	-

## Add load balancer rules

Microsoft Azure portal interface showing the 'LB-01 | Load balancing rules' page. The page displays a table with one rule named 'lb-ru' using TCP/80 protocol, mapped to backend pool 'bp' and health probe 'hprobe'. A notification states 'Saved load balancer rule'.

Name	Protocol	Backend pool	Health probe	Health status
lb-ru	TCP/80	bp	hprobe	<a href="#">View details</a>

Windows taskbar showing the system tray with temperature (21°C Sunny), search bar, and system clock (10:23 01-02-2026).

## 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](https://nginx.org).  
Commercial support is available at [nginx.com](https://nginx.com).

*Thank you for using nginx.*

Windows taskbar showing the system tray with temperature (21°C Sunny), search bar, and system clock (10:24 01-02-2026).

## Welcome to Web01!

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.*