

Screenshot of the AWS VPC console showing the 'Your VPCs' page.

The top navigation bar includes tabs for 'Create network load balancer', 'Your VPCs | VPC Manager', and several 'Welcome to nginx!' instances. The URL in the address bar is `ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#vpcs`.

The main content area displays the 'Your VPCs' section with two VPC entries:

Name	VPC ID	State	Encryption c...	Encryption control ...	Block Pu...
VPC01	vpc-05b00d725ebbc6b95	Available	-	-	Off
-	vpc-044fca516e23c7b44	Available	-	-	Off

Below the table, the details for VPC01 are shown:

vpc-05b00d725ebbc6b95 / VPC01

Details tab selected. Other tabs include Resource map, CIDRs, Flow logs, Tags, and Integrations.

Details

VPC ID vpc-05b00d725ebbc6b95	State Available	Block Public Access Off	DNS hostnames Disabled
DNS resolution Enabled	Tenancy default	DHCP option set dopt-0c904a3fbf7ea5d29	Main route table rtb-080d6f5dd68dbb441

At the bottom, there are links for CloudShell, Feedback, and Console Mobile App. The status bar shows the date (27-01-2026), time (22:39), temperature (23°C), and language (ENG).

Screenshot of the AWS VPC Management console showing the 'Your VPCs' page.

The top navigation bar includes tabs for 'Create network load balancer' and 'Your VPCs | VPC Management'. The URL is ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#vpcs.

The top right shows the user 'sowjanya koppula (7071-8816-5617)' and the region 'Asia Pacific (Mumbai)'. The sidebar on the left has sections for 'VPC dashboard', 'AWS Global View', 'Virtual private cloud' (with 'Your VPCs', 'Subnets', 'Route tables', 'Internet gateways', 'Egress-only internet gateways', 'DHCP option sets', 'Elastic IPs', 'Managed prefix lists', 'NAT gateways', 'Peering connections', 'Route servers'), and 'Security'.

The main content area displays 'Your VPCs (1/3)' with a table:

Name	VPC ID	State	Encryption c...	Encryption control ...	Block Pu...
VPC01	vpc-05b00d725ebbc6b95	Available	-	-	Off
VPC02	vpc-0d422f845e19823d4	Available	-	-	Off

The details for VPC02 are shown below:

vpc-0d422f845e19823d4 / VPC02

Details tab selected. Other tabs include Resource map, CIDRs, Flow logs, Tags, and Integrations.

VPC ID	State	Block Public Access	DNS hostnames
vpc-0d422f845e19823d4	Available	Off	Disabled
DNS resolution	Tenancy	DHCP option set	Main route table
Enabled	default	dopt-0c904a3fbf7ea5d29	rtb-0ebdd576ff1dce502

At the bottom, there's a search bar 'Type here to search' and a taskbar with various icons.

Create network load balancer | X Launch an instance | EC2 | ap-south-1 | +

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:

aws Search [Alt+S] Asia Pacific (Mumbai) sowjanya koppula (7071-8816-5617) sowjanya koppula

EC2 > Instances > Launch an instance

Success Successfully initiated launch of instance (i-00266451e50928dca)

▶ Launch log

Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup"

1 2 3 4 5 6 >

Create billing usage alerts

To manage costs and avoid surprise bills, set up email notifications for billing usage thresholds.

Create billing alerts ↗

Connect to your instance

Once your instance is running, log into it from your local computer.

Connect to instance ↗

Learn more ↗

Connect an RDS database

Configure the connection between an EC2 instance and a database to allow traffic flow between them.

Connect an RDS database ↗

Create a new RDS database ↗

Learn more ↗

Create EBS snapshot policy

Create a policy that automates the creation, retention, and deletion of EBS snapshots

Create EBS snapshot policy ↗

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateLifecyclePolicy:policyType=EBS_SNAPSHOT_MANAGEMENT © 2026, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Type here to search

23°C ENG 22:56 27-01-2026

13.232.126.213 (ubuntu)

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

X server Exit

Quick connect... 2. 13.234.240.189 (ubuntu) 3. 13.232.126.213 (ubuntu)

Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-1018-aws x86_64)

* Documentation: <https://help.ubuntu.com>
* Management: <https://landscape.canonical.com>
* Support: <https://ubuntu.com/pro>

System information as of Tue Jan 27 17:11:09 UTC 2026

System load: 0.02	Temperature: -273.1 C
Usage of /: 25.9% of 6.71GB	Processes: 123
Memory usage: 26%	Users logged in: 0
Swap usage: 0%	IPv4 address for ens5: 10.0.1.157

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

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

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

/usr/bin/xauth: file /home/ubuntu/.Xauthority does not exist
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-10-0-1-157:~\$

UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>

Type here to search

22:41 27-01-2026

13.232.126.213 (ubuntu)

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

X server Exit

Quick connect...

13.232.126.213 (ubuntu) 2. 13.234.240.189 (ubuntu)

```
Get:48 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [19.7 kB]
Get:49 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [2302 kB]
Get:50 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [527 kB]
Get:51 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:52 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [28.0 kB]
Get:53 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [6472 B]
Get:54 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]
Get:55 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [384 B]
Fetched 39.5 MB in 7s (5934 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
60 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@ip-10-0-1-157:/home/ubuntu# apt install nginx -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  nginx-common
Suggested packages:
  fcgiwrap nginx-doc ssl-cert
The following NEW packages will be installed:
  nginx nginx-common
0 upgraded, 2 newly installed, 0 to remove and 60 not upgraded.
Need to get 564 kB of archives.
After this operation, 1596 kB of additional disk space will be used.
Get:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 nginx-common all 1.24.0-2ubuntu7.5 [43.4 kB]
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 nginx amd64 1.24.0-2ubuntu7.5 [520 kB]
Fetched 564 kB in 0s (26.3 MB/s)
Preconfiguring packages ...
Selecting previously unselected package nginx-common.
(Reading database ... 71752 files and directories currently installed.)
```

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Type here to search

23°C 22:42 27-01-2026

13.232.126.213 (ubuntu)

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

X server Exit

Quick connect... [Home](#) [2. 13.234.240.189 \(ubuntu\)](#) [3. 13.232.126.213 \(ubuntu\)](#) +

Need to get 564 kB of archives.
After this operation, 1596 kB of additional disk space will be used.
Get:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 nginx-common all 1.24.0-2ubuntu7.5 [43.4 kB]
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 nginx amd64 1.24.0-2ubuntu7.5 [520 kB]
Fetched 564 kB in 0s (26.3 MB/s).
Preconfiguring packages ...
Selecting previously unselected package nginx-common.
(Reading database ... 71752 files and directories currently installed.)
Preparing to unpack .../nginx-common_1.24.0-2ubuntu7.5_all.deb ...
Unpacking nginx-common (1.24.0-2ubuntu7.5) ...
Selecting previously unselected package nginx.
Preparing to unpack .../nginx_1.24.0-2ubuntu7.5_amd64.deb ...
Unpacking nginx (1.24.0-2ubuntu7.5) ...
Setting up nginx-common (1.24.0-2ubuntu7.5) ...
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service → /usr/lib/systemd/system/nginx.service.
Setting up nginx (1.24.0-2ubuntu7.5) ...
* Upgrading binary nginx
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for ufw (0.36.2-6) ...
Scanning processes...
Scanning linux images...

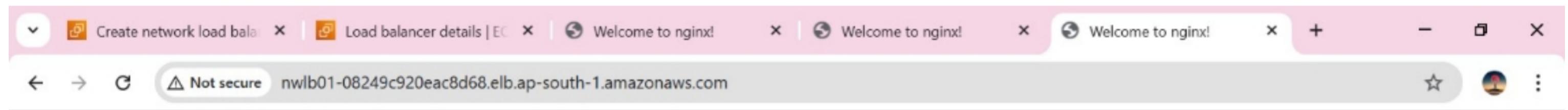
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.

No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-10-0-1-157:/home/ubuntu#

[OK]

UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>

Type here to search            23°C   ENG 22:43 27-01-2026



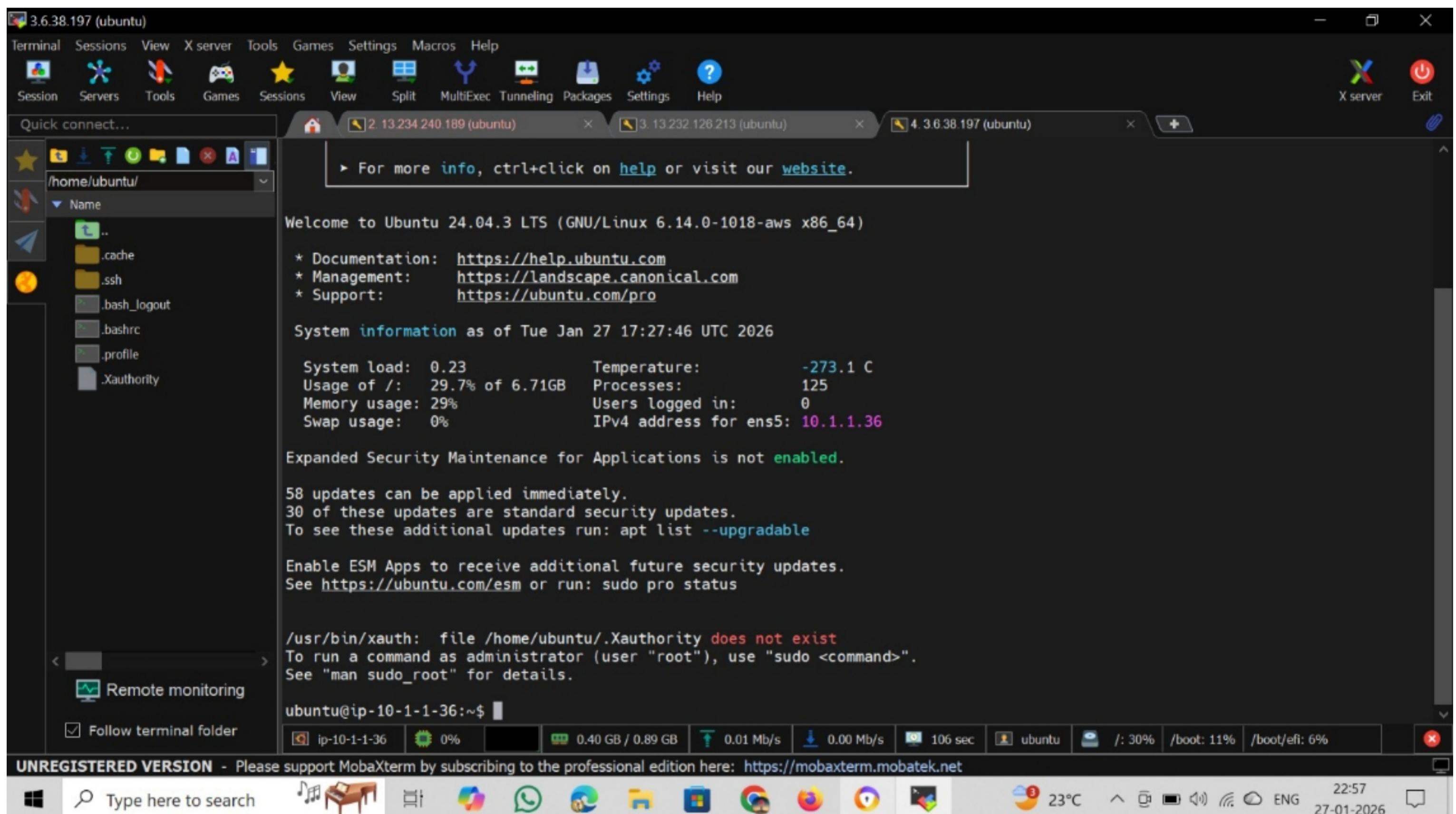
Welcome to nginx!

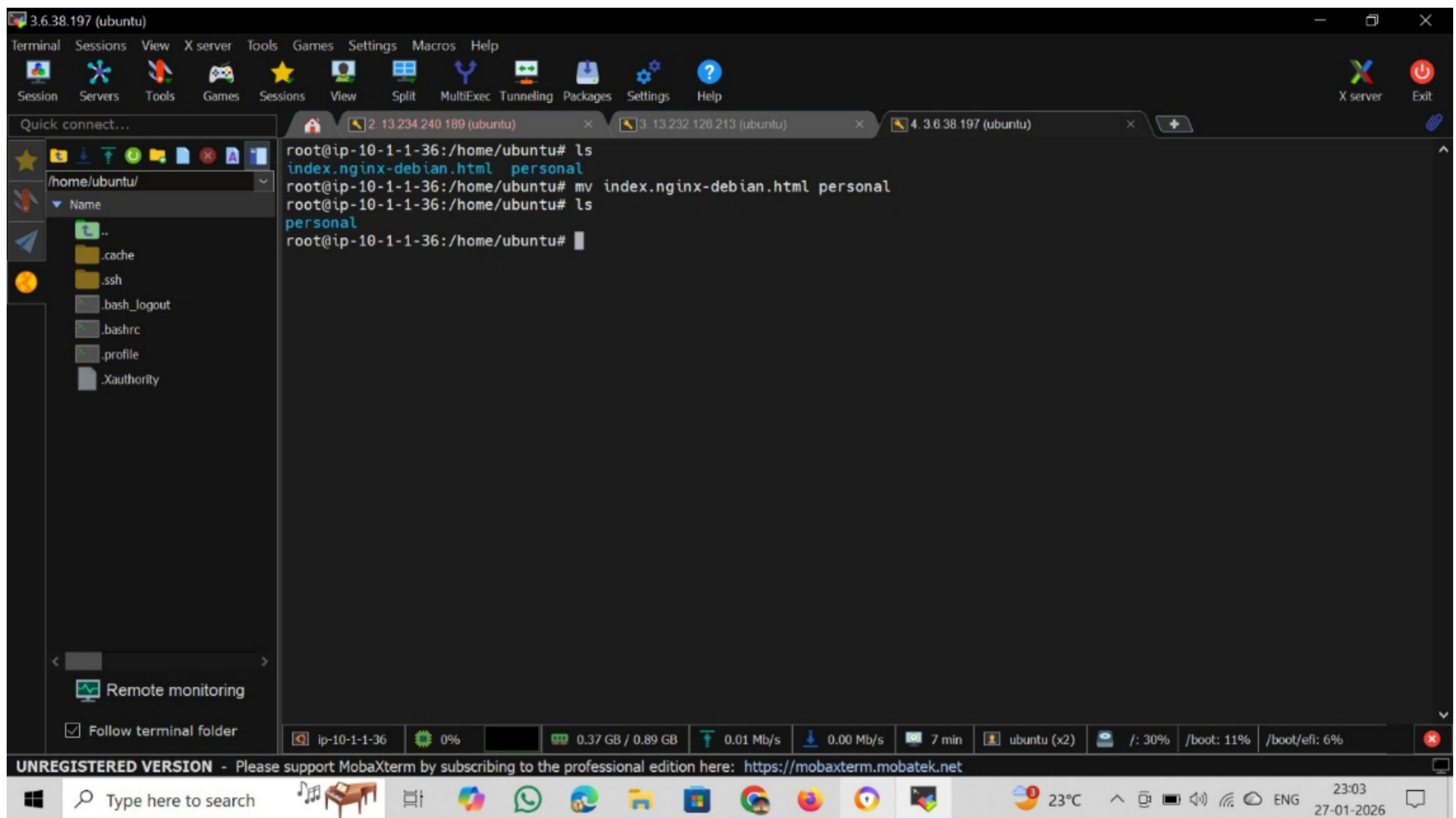
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

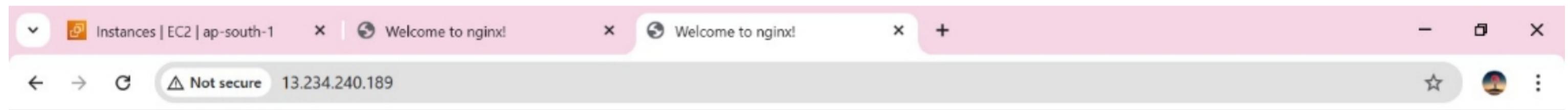
For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.









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.



Screenshot of the AWS Cloud9 IDE showing the creation of an Application Load Balancer (ALB) in the AWS Management Console.

The browser tabs show "Create network load balancer" and "Create application load balance".

The URL in the address bar is `ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateALBWizard:`

The AWS navigation bar includes "aws", "Search", "[Alt+S] ⌘", "Asia Pacific (Mumbai)", and "sowjanya koppula (7071-8816-5617)".

The breadcrumb navigation shows "EC2 > Load balancers > Create Application Load Balancer".

Basic configuration

Load balancer name
Name must be unique within your AWS account and can't be changed after the load balancer is created.
 A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.

Scheme | **Info**
Scheme can't be changed after the load balancer is created.

Internet-facing
• Serves internet-facing traffic.
• Has public IP addresses.
• DNS name resolves to public IPs.
• Requires a public subnet.

Internal
• Serves internal traffic.
• Has private IP addresses.
• DNS name resolves to private IPs.
• Compatible with the IPv4 and Dualstack IP address types.

Load balancer IP address type | **Info**
Select the front-end IP address type to assign to the load balancer. The VPC and subnets mapped to this load balancer must include the selected IP address types. Public IPv4 addresses have an additional cost.

IPv4
Includes only IPv4 addresses.

Dualstack
Includes IPv4 and IPv6 addresses.

Dualstack without public IPv4
Includes a public IPv6 address, and private IPv4 and IPv6 addresses. Compatible with internet-facing load balancers only.

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Type here to search 23°C ENG 23:07 27-01-2026

Create network load balancer | X | Create application load balance | X | Step 2 Create target group | EC2 | +

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateTargetGroup:protocol=HTTP;vpc=vpc-05b00d725ebbc6b95

sowjanya koppula (7071-8816-5617) ▾
aws Search [Alt+S] Asia Pacific (Mumbai) ▾ sowjanya koppula

EC2 > Target groups > Create target group

Step 1
Create target group
Step 2 - recommended
Register targets
Step 3
Review and create

Register targets - recommended

This is an optional step to create a target group. However, to ensure that your load balancer routes traffic to this target group you must register your targets.

Available instances (1/1)

Instance ID	Name	State	Security groups
i-0e86949f1e164f19e	HOME PAGE	Running	default

1 selected

Ports for the selected instances
Ports for routing traffic to the selected instances.
80
1-65535 (separate multiple ports with commas)

Include as pending below

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Create network load balancer | X | Create application load balance | X | Target group details | EC2 | ap-s... X +

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#TargetGroup:targetGroupArn=arn:aws:elasticloadbalancing:ap-south-1:70718816561... Search Star 🌐

aws Search [Alt+S] Asia Pacific (Mumbai) sowjanya koppula (7071-8816-5617) sowjanya koppula

EC2 > Target groups > HOME-TG

EC2 Successfully created the target group: HOME-TG. Anomaly detection is automatically applied to all registered targets. Results can be viewed in the Targets tab. Give feedback X

HOME-TG

Actions ▾

Details

arn:aws:elasticloadbalancing:ap-south-1:707188165617:targetgroup/HOME-TG/8a862306c0740001	VPC vpc-05b00d725ebbc6b95		
Target type Instance	Protocol : Port HTTP: 80	Protocol version HTTP1	
IP address type IPv4	Load balancer None associated		
1 Total targets	0 Healthy	0 Unhealthy	1 Unused
	0 Anomalous		0 Initial
			0 Draining

Distribution of targets by Availability Zone (AZ)
Select values in this table to see corresponding filters applied to the Registered targets table below.

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Target groups | EC2 | ap-south-1 | Load balancer details | EC2 | ap-south-1 | Target group details | EC2 | ap-south-1 | +

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LoadBalancer:loadBalancerArn=arn:aws:elasticloadbalancing:ap-south-1:707188165617:loadbalancer/app/APPLB01

Snapshots Lifecycle Manager

Network & Security

- Security Groups
- Elastic IPs
- Placement Groups
- Key Pairs
- Network Interfaces

Load Balancing

- Load Balancers
- Target Groups
- Trust Stores

Auto Scaling

- Auto Scaling Groups

Settings

APPLB01

Details

Load balancer type	Status	VPC	Load balancer IP address type
Application	Provisioning	vpc-05b00d725ebbc6b95	IPv4
Scheme	Hosted zone	Availability Zones	Date created
Internet-facing	ZP97RAFLXTNZK	subnet-0f5dd1d00d6dafc27 ap-south-1b (aps1-az3) subnet-09780a4deb35ae58c ap-south-1c (aps1-az2) subnet-044aa23129dff6790 ap-south-1a (aps1-az1)	January 27, 2026, 23:19 (UTC+05:30)

Load balancer ARN
arn:aws:elasticloadbalancing:ap-south-1:707188165617:loadbalancer/app/APPLB01/18c99aa560fd84c2

DNS name info
APPLB01-1892396241.ap-south-1.elb.amazonaws.com (A Record)

CloudShell Feedback Console Mobile App

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Type here to search

23°C 27-01-2026

Target groups | EC2 | ap-south-1 | Load balancer details | EC2 | ap-south-1 | Target group details | EC2 | ap-south-1 | +

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LoadBalancer:loadBalancerArn=arn:aws:elasticloadbalancing:ap-south-1:707188165617:loadbalancer/app/APPLB01

Snapshots Lifecycle Manager

Network & Security

- Security Groups
- Elastic IPs
- Placement Groups
- Key Pairs
- Network Interfaces

Load Balancing

- Load Balancers
- Target Groups
- Trust Stores

Auto Scaling

- Auto Scaling Groups

Settings

APPLB01

Details

Load balancer type	Status	VPC	Load balancer IP address type
Application	Active	vpc-05b00d725ebbc6b95	IPv4
Scheme	Hosted zone	Availability Zones	Date created
Internet-facing	ZP97RAFLXTNZK	subnet-0f5dd1d00d6dafc27 ap-south-1b (aps1-az3) subnet-09780a4deb35ae58c ap-south-1c (aps1-az2) subnet-044aa23129dff6790 ap-south-1a (aps1-az1)	January 27, 2026, 23:19 (UTC+05:30)

Load balancer ARN
arn:aws:elasticloadbalancing:ap-south-1:707188165617:loadbalancer/app/APPLB01/18c99aa560fd84c2

DNS name info
APPLB01-1892396241.ap-south-1.elb.amazonaws.com (A Record)

CloudShell Feedback Console Mobile App

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Type here to search

23°C 27-01-2026

Screenshot of the AWS CloudWatch Metrics console showing a log stream for a Lambda function named "HelloWorld" with a log level of "INFO". The log message is: "Hello, world! (from: /var/task/hello.py)".

The screenshot shows the AWS CloudWatch Metrics interface with the following details:

- Log Stream:** /aws/lambda/HelloWorld
- Log Group:** /aws/lambda
- Log Level:** INFO
- Timestamp:** 2023-01-27T10:53:45+0000
- Message:** Hello, world! (from: /var/task/hello.py)

Below the log stream, there is a section titled "Metrics" with a table showing metrics for the Lambda function. The table includes columns for Metric Name, Unit, Value, and Last Value.

Metric Name	Unit	Value	Last Value
Invocations	Count	1	1
Latency	Microseconds	1000000	1000000
Memory	Bytes	1024000	1024000
RequestSize	Bytes	1024	1024
Success	Count	1	1

Screenshot of the AWS CloudWatch Metrics Insights interface showing a query for CloudWatch Metrics Insights metrics over time.

The query results show a single metric named "CloudWatch Metrics Insights Metrics" with a value of 1.0. The metric is plotted against time from 2023-01-27T00:00:00Z to 2023-01-27T01:00:00Z.

Below the chart, there is a table with the following data:

Time	Value
2023-01-27T00:00:00Z	1.0
2023-01-27T01:00:00Z	1.0

Target groups | EC2 | ap-s... | Edit listener | EC2 | ap-s... | Target group details | EC2 | Target group details | EC2 | applb01-1892396241.ap... | +

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#TargetGroup:targetGroupArn=arn:aws:elasticloadbalancing:ap-south-1:70718816561...

sowjanya koppula (7071-8816-5617) ▾ sowjanya koppula

aws Search [Alt+S] Asia Pacific (Mumbai) ▾ sowjanya koppula

EC2 > Target groups > PERSONAL-TG

EC2 Successfully created the target group: PERSONAL-TG. Anomaly detection is automatically applied to all registered targets. Results can be viewed in the Targets tab. Give feedback X

PERSONAL-TG

Actions ▾

Details

arn:aws:elasticloadbalancing:ap-south-1:707188165617:targetgroup/PERSONAL-TG/065570efc4f539ab	VPC vpc-05b00d725ebbc6b95			
Target type Instance	Protocol : Port HTTP: 80	Protocol version HTTP1		
IP address type IPv4	Load balancer None associated			
1 Total targets	0 Healthy	0 Unhealthy	1 Unused	0 Initial
0 Anomalous				

Distribution of targets by Availability Zone (AZ)

Select values in this table to see corresponding filters applied to the Registered targets table below.

CloudShell Feedback Console Mobile App © 2026, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Type here to search 23°C ENG 23:31 27-01-2026

Screenshot of the AWS CloudWatch Metrics Insights console showing a search query:

```
SELECT metric_value FROM /aws/compute/runtime/execution_time WHERE metric_name = "ExecutionTime" AND metric_namespace = "/aws/compute/runtime" AND metric_statistics = "Sum" AND metric_start_time >= '2023-01-01T00:00:00Z' AND metric_end_time <= '2023-01-01T01:00:00Z' AND metric_dimensions[\"FunctionName\"] = \"lambdafunctionname\"
```

The results show two rows of data:

Time	Value
2023-01-01T00:00:00Z	0.0000000000000000
2023-01-01T00:01:00Z	0.0000000000000000

Below the table, there is a section titled "Metrics Insights" with a "Run" button.

Screenshot of the AWS CloudWatch Metrics Insights interface showing a query for CloudWatch Metrics Insights metrics over time.

The query results show a single metric named "CloudWatch Metrics Insights Metrics" with a value of 1.0. The metric is plotted against time from 2023-01-27T00:00:00Z to 2023-01-27T01:00:00Z.

Below the chart, there is a table with the following data:

Time	Value
2023-01-27T00:00:00Z	1.0
2023-01-27T01:00:00Z	1.0



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.

