



Configure Amazon Lightsail

October 2022



What is Amazon Lightsail?

“Amazon Lightsail is a virtual private server (VPS) provider and is the easiest way to get started with AWS for developers, small businesses, students, and other users who need a solution to build and host their applications on cloud.”

You can interact with Amazon Lightsail through the console, command line interface (CLI), or API to create and manage instances.

Amazon Lightsail Console (LC)

The screenshot shows the Amazon Lightsail console with a top navigation bar including the Lightsail logo, a search bar, and links for Docs, Account, AWS, and Billing. The main content area displays a 'Good morning!' greeting and a filter input. Below this is a tabbed interface with 'Instances' selected. A 'Sort by Date' dropdown and a 'Create Instance' button are present. Four instance cards are shown, each with a logo, name, specifications, status, and IP address.

Instance Name	Specifications	Status	IP Address	Location
purpleVPN	1 GB RAM, 1 vCPU, 40 GB SSD	Running	35.91.253.148	Oregon, Zone A
purpleMbr	2 GB RAM, 1 vCPU, 60 GB SSD	Running	35.90.89.40	Oregon, Zone A
purpleDC	2 GB RAM, 1 vCPU, 60 GB SSD	Running	35.87.103.125	Oregon, Zone A
purpleLin	1 GB RAM, 1 vCPU, 40 GB SSD	Running	34.213.183.59	Oregon, Zone A

Lab Setup

2 Linux Instances



2 Win Instances


OpenVPN connection
*(Security Concern)

Linux Web Server

WinDC and Win
Member Server

LC - Create an Instance (Location - Blueprints)

 Amazon Lightsail  Home

Docs  Account ▾

Instance location  You are creating this instance in **Oregon, Zone A** (us-west-2a)
 [Change AWS Region and Availability Zone](#)Pick your instance image 

Select a platform

 **Linux/Unix**
28 blueprints

 **Microsoft Windows**
4 blueprints

Select a blueprint

Apps + OS

OS Only

 **WordPress**
5.9.3-8

 **WordPress Multisite**
5.9.3-8

 **LAMP (PHP 7)**
7.4.29-0

 **Node.js**
16.15.0-0

LC - Create an Instance (OS Only)

Pick your instance image [?](#)

Select a platform



Linux/Unix
28 blueprints



**Microsoft
Windows**
4 blueprints

Select a blueprint

Apps + OS

OS Only



**Amazon
Linux 2**
2.0.20220805.0



Amazon Linux
2018.03.0.202...



Ubuntu
20.04 LTS



Ubuntu
18.04 LTS



Debian
11.4



Debian
10.8



Debian
9.13



Debian
8.7



FreeBSD
12.3



openSUSE
15.2



CentOS
8 2004-01



CentOS
7 2009-01

LC - Create an Instance (Linux SSH and Plan)

You will connect to your instance using the **BSidesIF** SSH key.

[Change SSH key pair](#)

Automatic snapshots create a backup image of your instance and attached disks on a daily schedule.

☐ Enable Automatic Snapshots

Choose your instance plan [?](#)

New! Check out our new 16 GB and 32 GB RAM bundles!

Sort by: [Price per month](#) [Memory](#) [Processing](#) [Storage](#) [Transfer](#)

First 3 months free!		First 3 months free!		First 3 months free!			
<	\$3.5	\$5	\$10	\$20	\$40	>	
	USD	USD	USD	USD	USD		
	\$3.50 USD	\$5 USD	\$10 USD	\$20 USD	\$40 USD		Price per month
	512 MB	1 GB	2 GB	4 GB	8 GB		Memory
	1 vCPU	1 vCPU	1 vCPU	2 vCPUs	2 vCPUs		Processing
	20 GB SSD	40 GB SSD	60 GB SSD	80 GB SSD	160 GB SSD		Storage
	1 TB	2 TB	3 TB	4 TB	5 TB		Transfer

SSH Key Pair (Default vs. Created)

Automatic Snapshots (\$)

Instance Plan (Read about the 3 months free)

LC - Create an Instance (Win)

Pick your instance image [?](#)

Select a platform



Linux/Unix
28 blueprints



Microsoft
Windows
4 blueprints

Windows-based instance prices reflect additional licensing fees.

Select a blueprint

Apps + OS

OS Only



Windows
Server 2019
2022.09.14



Windows
Server 2016
2022.09.14



Windows
Server 2012
R2
2022.09.14

Choose your instance plan [?](#)

New! Check out our new 16 GB and 32 GB RAM bundles!

Sort by: **Price per month** Memory Processing Storage Transfer

First 3 months free	First 3 months free	First 3 months free	First 3 months free
\$8	\$12	\$20	\$40
USD	USD	USD	USD
\$8 USD	\$12 USD	\$20 USD	\$40 USD
512 MB	1 GB	2 GB	4 GB
1 vCPU	1 vCPU	1 vCPU	2 vCPUs
30 GB SSD	40 GB SSD	60 GB SSD	80 GB SSD
1 TB	2 TB	3 TB	4 TB

For a limited time, new Lightsail customers can try the selected plan for free for the first 3 months. [Learn more about the free trial in Lightsail.](#)

Identify your instance

Your Lightsail resources must have unique names.

Windows_Server_2016-1

×

1

Windows OS

Instance Plan and
Cost

Name your Instance

LC - Configure Instance



purpleVPN

1 GB RAM, 1 vCPU, 40 GB SSD

Ubuntu

Oregon, Zone A (us-west-2a)

Stop

Reboot

Status: **Running**

Public IP: **35.91.253.148**

Private IP: 172.26.11.107

Public IPv6: **Not enabled**

[Learn more about IPv6](#)

Connect

Storage

Metrics

Networking

Snapshots

Tags

History

Delete

Name

Location

Delete

Public IP

Private IP (They can talk internally - not continuous)

IPv6 enabled by Default

LC - Configure Instance - Connecting

Connect to your instance [?](#)

You can connect using your browser, or your own compatible SSH client.

Use your browser

Connect using our browser-based SSH client

Connect using SSH

Use your own SSH client

Connect using an SSH client [?](#)

CONNECT TO

35.91.253.148

USER NAME

ubuntu

SSH KEY

This Instance was created with the personal SSH key named **BSidesIF**.

Manage your SSH keys from your [Account](#) page.

Browser Connection

Use SSH Client (Ansible)

Default Username

SSH Key Utilized

LC - Configure Networking (Linux)

IPv4 Firewall

Create rules to open ports to the internet, or to a specific IPv4 address or range.

[Learn more about firewall rules](#) 

 Add rule

Application	Protocol	Port or range / Code	Restricted to		
SSH	TCP	22	166.70.80.123 Lightsail browser SSH/RDP 		

IPv6 networking

Enable Internet Protocol version 6 to have an IPv6 address assigned to your resource.

[Learn more about IPv6](#) 

 **IPv6 networking is disabled**

This resource can communicate using only the IPv4 protocol.

IPv4 Firewall applies to Public IP Address

Adding Rules

Restrict to IP Address Range

IPv6 Network (Disable?)