

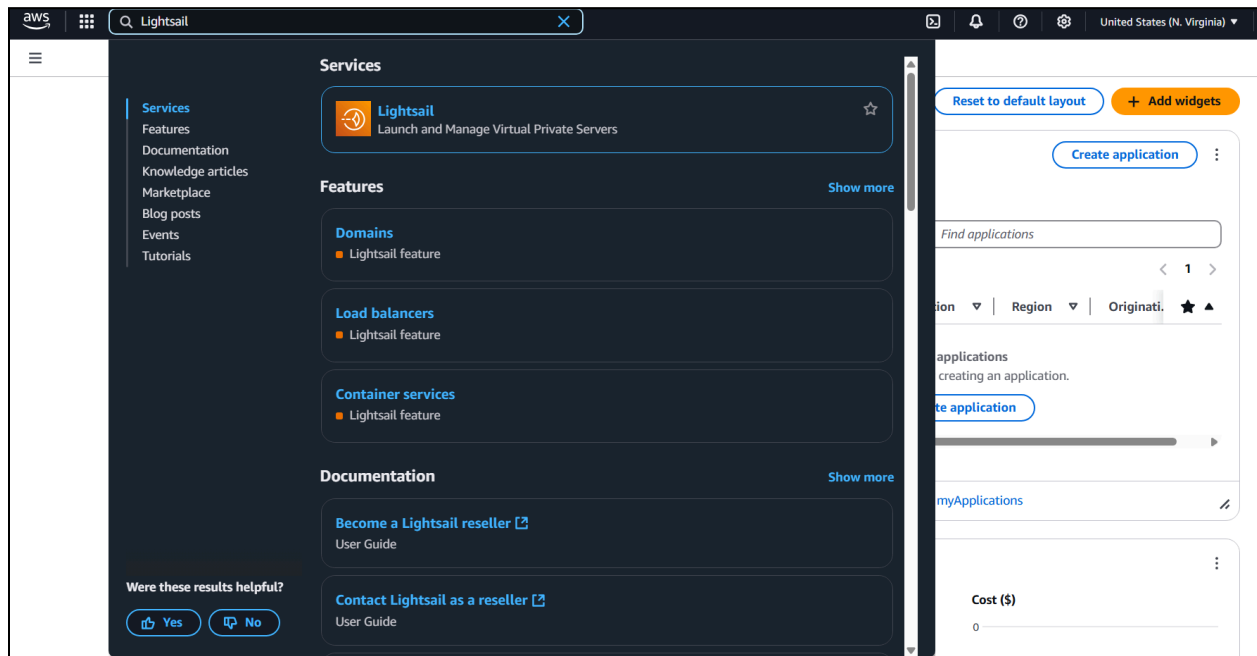
Creating the Server Instance

Last updated on 5/7/25 by Justin Wang

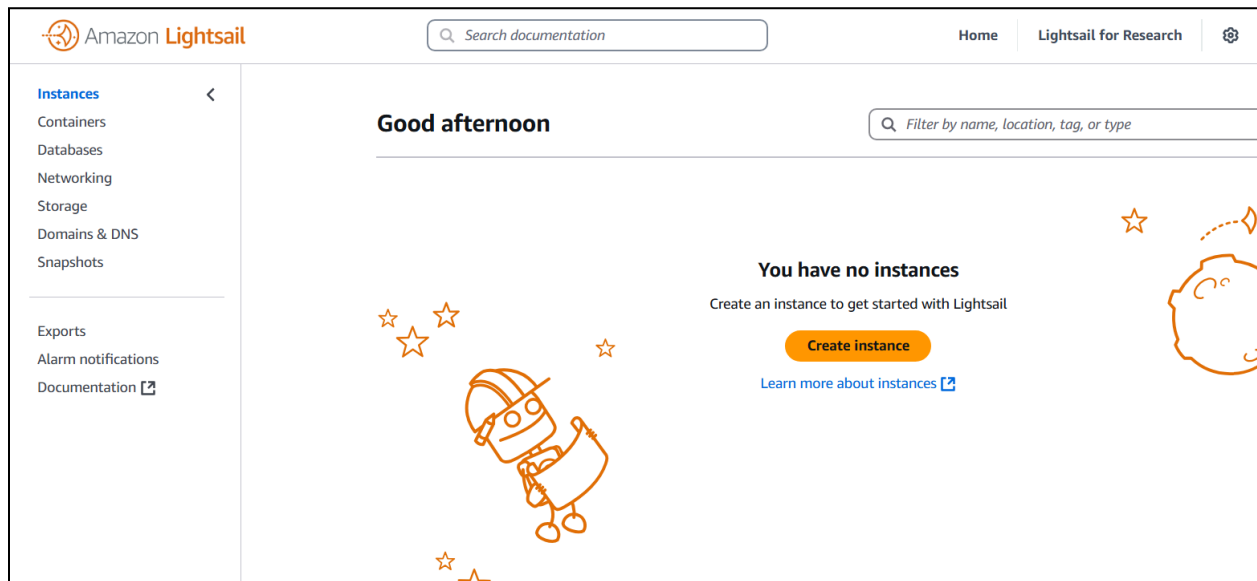
Prerequisites:

- A valid domain at prosperiti.info
- A working AWS account
- API keys for OpenAI API, Google Places API, and Meetup API.

Step 1: Sign into the AWS Management Console and navigate to the Lightsail Dashboard




Step 2: Select Create Instance




Step 3: Select the **Linux/Unix** platform, click on **Operating System (OS) only**, and select the **Amazon Linux 2023** blueprint.

Pick your instance image [Info](#)
The instance image you pick determines the operating system and whether there are any included applications in your instance.


Select a platform


☒  **Linux/Unix**
27 blueprints


☐  **Microsoft Windows**
6 blueprints


Select a blueprint


Apps + OS | **Operating System (OS) only**


☒  **Amazon Linux 2023**
2023.7.20250428.1


☐  **Amazon Linux 2**
2.0.20250428.0


☐  **Ubuntu**
24.04 LTS


☐  **Ubuntu**
22.04 LTS


☐  **Debian**
12.8


☐  **Debian**
11.11

☐  **FreeBSD**
14.2

☐  **FreeBSD**
13.4

☐  **openSUSE**
15.6

☐  **AlmaLinux**
9.4

☐  **CentOS**
CS9-20230110

Amazon Linux 2023 2023.7.20250428.1
Amazon Linux 2023 is a modern, general purpose Linux-based OS that comes with 5 years of long term support. It is optimized for AWS and designed to provide a secure, stable and high-performance execution environment to develop and run your cloud applications.
Learn more about [Amazon Linux 2023](#).
By using this software, you agree to the [software's end user license agreement](#).

Step 4: Under **Optional** click on **+Add launch script** and [add the following text](#):

Launch script [Info](#)
You can add a shell script that will run in your instance the first time it launches.

```
sudo dnf install -y git
cd /home/ec2-user/
git clone https://github.com/crhexa/prosperiti.git
sudo chown -R ec2-user:ec2-user prosperiti
cd prosperiti
./rkeys.sh "your_openai_key" "your_google_maps_key" "your_meetup_api_key"
./setup.sh
```

SSH key [Info](#)
Select an existing key pair to SSH into your instance. You can also create or upload a new SSH key pair to use instead. [Manage SSH keys](#)

prosperiti-key ▼

+ Create custom key

⤶ Upload key

Replace the text inside the quotes with the corresponding API key.

Optional: create and download an SSH key to use remote access with your OS terminal.

Step 5: Choose the \$12 USD instance plan

Choose your instance plan [Info](#)

Instance plans include the instance's network type and a size which determines what bundled compute resources the instance will have.

Select a network type [Info](#)

☒ Dual-stack Recommended
For workloads that require full network compatibility. Includes a public IPv4 and a public IPv6 address.

☐ IPv6-only
For workloads that do not require a public IPv4 address. Includes a public IPv6 address.

Select a size

Sort by Price per month ▼

☐ **\$5**
USD per month

512 MB Memory
2 vCPUs Processing
20 GB SSD Storage
1 TB Transfer
First 90 days free

☐ **\$7**
USD per month

1 GB Memory
2 vCPUs Processing
40 GB SSD Storage
2 TB Transfer
First 90 days free

☒ **\$12**
USD per month

2 GB Memory
2 vCPUs Processing
60 GB SSD Storage
3 TB Transfer
First 90 days free

☐ **\$24**
USD per month

4 GB Memory
2 vCPUs Processing
80 GB SSD Storage
4 TB Transfer

Step 6: Click on your instance and navigate to the **Networking** tab.

[Connect](#) | [Metrics](#) | [Snapshots](#) | [Storage](#) | [Networking](#) | [Domains](#) | [Tags](#) | [History](#)

IPv4 networking

The public IP address of your instance is accessible to the internet. The private IP address is accessible only to other resources in your Lightsail account.

PUBLIC IPV4
54.242.146.90
[Attach static IP](#)

PRIVATE IPV4
172.26.13.5
[What is this for?](#)

Your public IPv4 address changes when you stop and start your instance. Attach a [static IPv4](#) address to your instance to keep it from changing.

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	Any IPv4 address Lightsail browser SSH/RDP ?	✎ 🗑
HTTP	TCP	80	Any IPv4 address	✎ 🗑

Step 7: Under **IPv4 Networking**, click on **Attach static IP**, select and create one if necessary.

Attach static IP

Attach a **Static IP** as a stable endpoint before assigning a domain to **prosperiti**.

Select a static IP to attach

prosperiti-ip ▼

No, cancel Attach

Important: Domain DNS record must point to your static IP address.

Step 8: Under **IPv4 Firewall**, click on **Add rule**, then add a rule for port 443.

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	Any IPv4 address Lightsail browser SSH/RDP ?	✍	🗑
HTTP	TCP	80	Any IPv4 address	✍	🗑
HTTPS	TCP	443	Any IPv4 address	✍	🗑

Step 9: Wait for the server to launch/load, this may take several minutes. Verify that the server works properly by visiting <https://prosperiti.info>.