

**Lab 30****Configuring Lamp stack using Lightsail**

**Reference:** <https://aws.amazon.com/about-aws/whats-new/2016/11/introducing-amazon-lightsail/>

Lightsail is designed to be the easiest way to launch and manage a virtual private server with AWS. Lightsail plans include everything you need to jumpstart your project – a virtual machine, SSD-based storage, data transfer, DNS management, and a static IP – for a low, predictable price.

**Fast & Easy**

With Amazon Lightsail, you can deploy a virtual private server with just a few clicks using preconfigured templates for your favorite Linux distribution, application, or dev stack – including WordPress, Magento, LAMP, and more. Once your virtual private server is deployed, Lightsail's intuitive management console makes running your server and its associated services a breeze.

**Built on the World's Leading Cloud**

Lightsail virtual private servers run on the same highly available and reliable AWS cloud infrastructure used by millions of customers. This means that your app gets to use the same trusted and proven cloud infrastructure that powers companies like Netflix, AirBnB, General Electric, and Capital One.

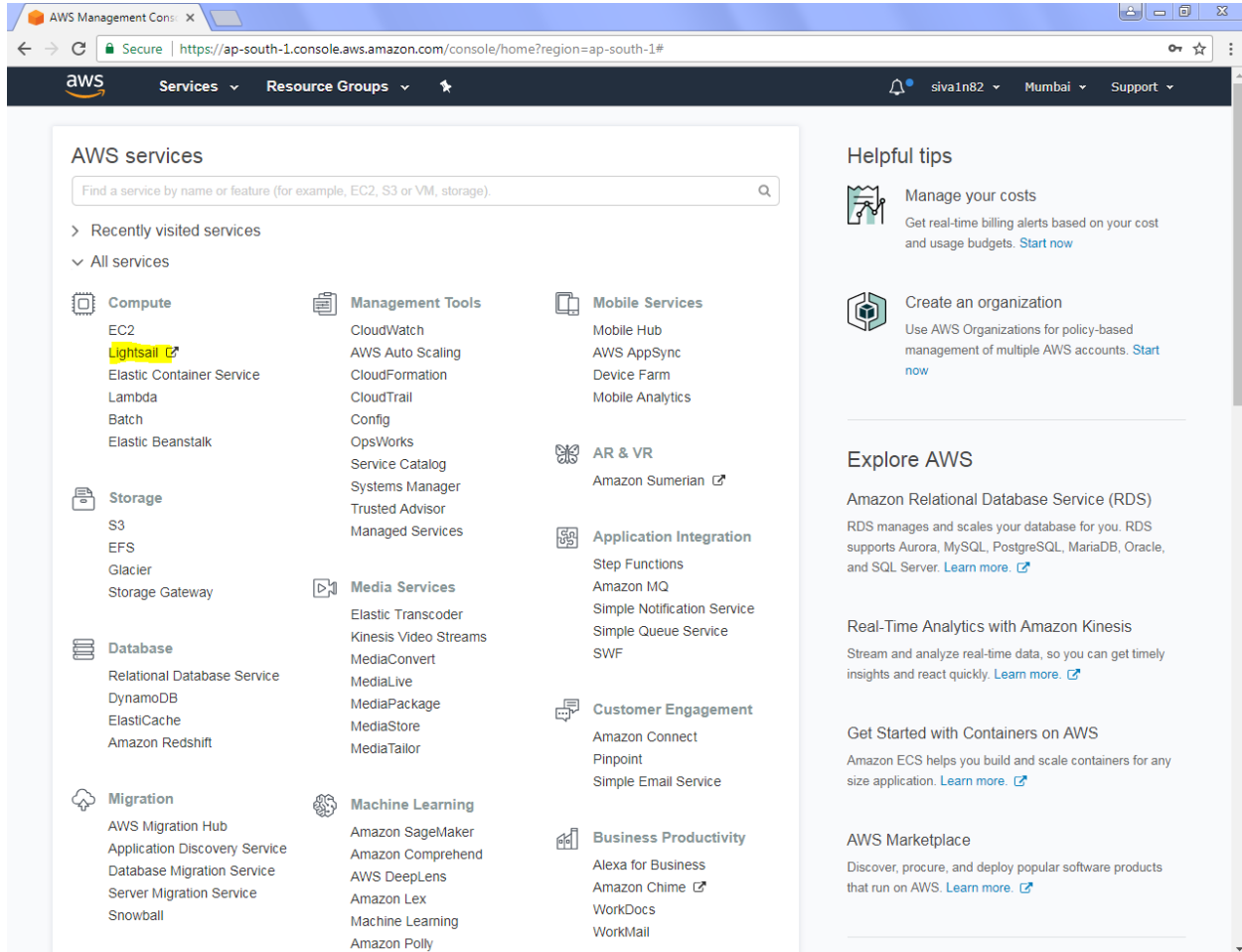
**Grows with You**

Lightsail allows you to grow and scale your applications over time. When your app needs advanced features like managed databases, content delivery network, or any of dozens of other features, you can connect these AWS services to your Lightsail-hosted application.

**Low, Predictable Price**

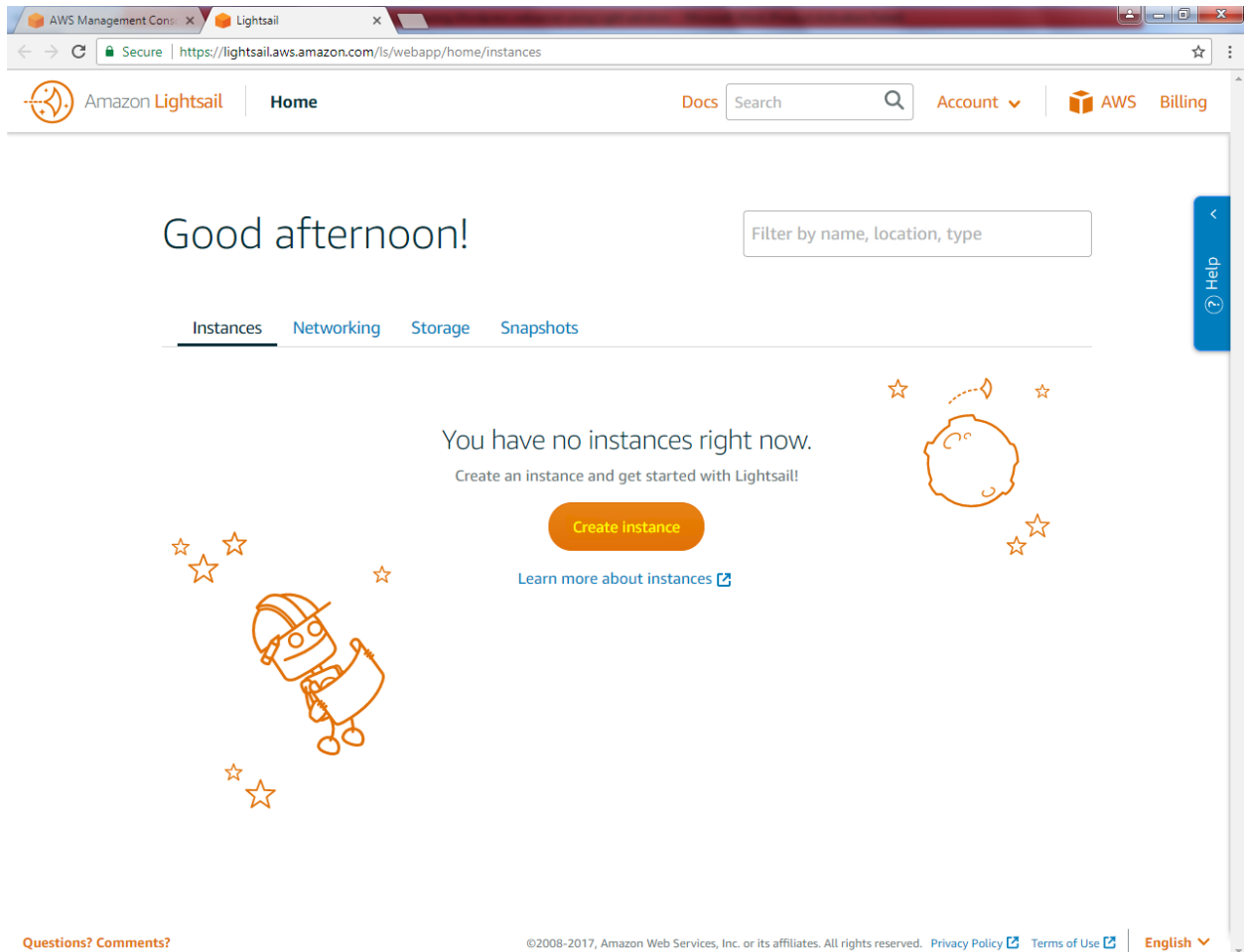
Lightsail offers bundled plans that include everything you need to deploy a virtual private server – including a virtual machine, storage, and networking – starting at a flat \$5 per month. As your needs grow, you can trade up to larger plans or add resources.

Click “Lightsail” service



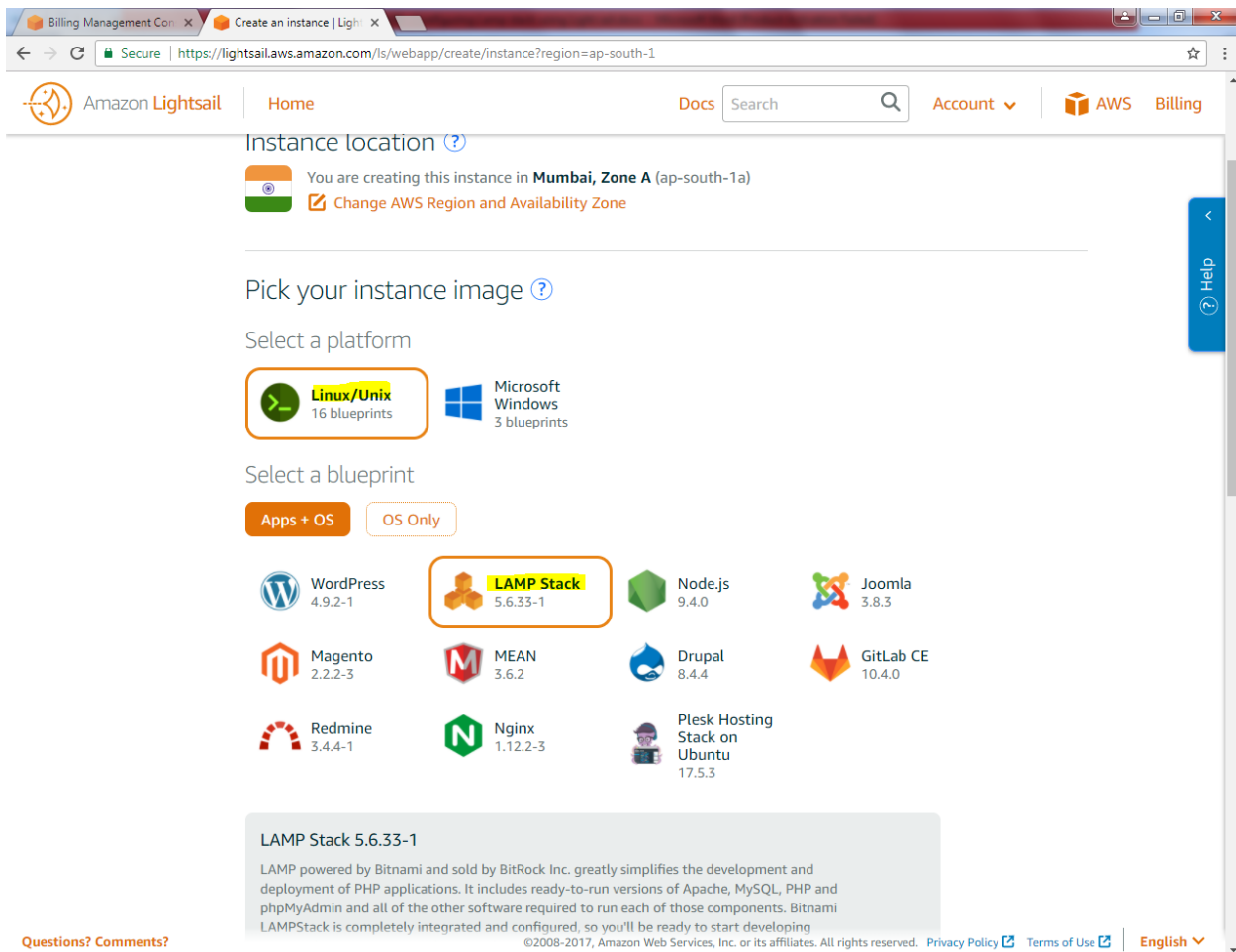
The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, 'Services', 'Resource Groups', and a search icon. The main content area is titled 'AWS services' and includes a search bar. Below the search bar, there are sections for 'Recently visited services' and 'All services'. The 'All services' section is organized into categories: Compute, Storage, Database, Migration, Management Tools, Media Services, Machine Learning, Mobile Services, AR & VR, Application Integration, Customer Engagement, and Business Productivity. The 'Compute' category is expanded, and 'Lightsail' is highlighted with a yellow box. The right sidebar contains 'Helpful tips' and 'Explore AWS' sections, with links to various AWS services and documentation.

Click "Create Instance".



You need to observe that Instance will be created in Mumbai region,

Select Linux and Select App + OS (Lamp stack).



**Instance location** ?

You are creating this instance in **Mumbai, Zone A** (ap-south-1)

[Change AWS Region and Availability Zone](#)

**Pick your instance image** ?

Select a platform

- Linux/Unix** 16 blueprints
- Microsoft Windows 3 blueprints

Select a blueprint

**Apps + OS** OS Only

- WordPress 4.9.2-1
- LAMP Stack 5.6.33-1**
- Node.js 9.4.0
- Joomla 3.8.3
- Magento 2.2.2-3
- MEAN 3.6.2
- Drupal 8.4.4
- GitLab CE 10.4.0
- Redmine 3.4.4-1
- Nginx 1.12.2-3
- Plesk Hosting Stack on Ubuntu 17.5.3

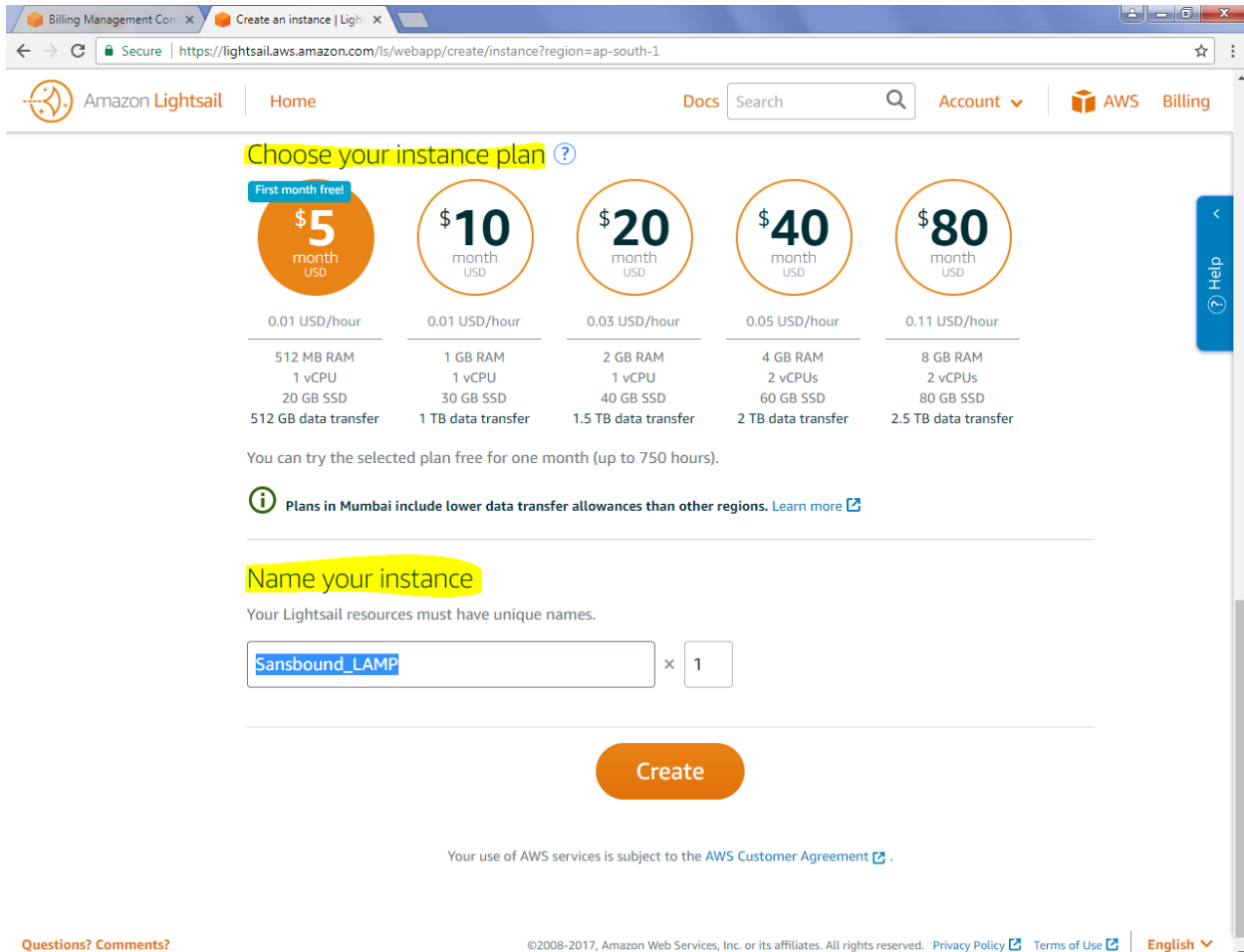
**LAMP Stack 5.6.33-1**

LAMP powered by Bitnami and sold by BitRock Inc. greatly simplifies the development and deployment of PHP applications. It includes ready-to-run versions of Apache, MySQL, PHP and phpMyAdmin and all of the other software required to run each of those components. Bitnami LAMPStack is completely integrated and configured, so you'll be ready to start developing

[Questions?](#) [Comments?](#)

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Select Instance plan as one month free offer. And type instance name as Sansbound\_LAMP.



**Choose your instance plan** ?

First month free	\$5 month USD	\$10 month USD	\$20 month USD	\$40 month USD	\$80 month USD
0.01 USD/hour	0.01 USD/hour	0.03 USD/hour	0.05 USD/hour	0.11 USD/hour	
512 MB RAM 1 vCPU 20 GB SSD 512 GB data transfer	1 GB RAM 1 vCPU 30 GB SSD 1 TB data transfer	2 GB RAM 1 vCPU 40 GB SSD 1.5 TB data transfer	4 GB RAM 2 vCPUs 60 GB SSD 2 TB data transfer	8 GB RAM 2 vCPUs 80 GB SSD 2.5 TB data transfer	

You can try the selected plan free for one month (up to 750 hours).

**Name your instance**

Your Lightsail resources must have unique names.

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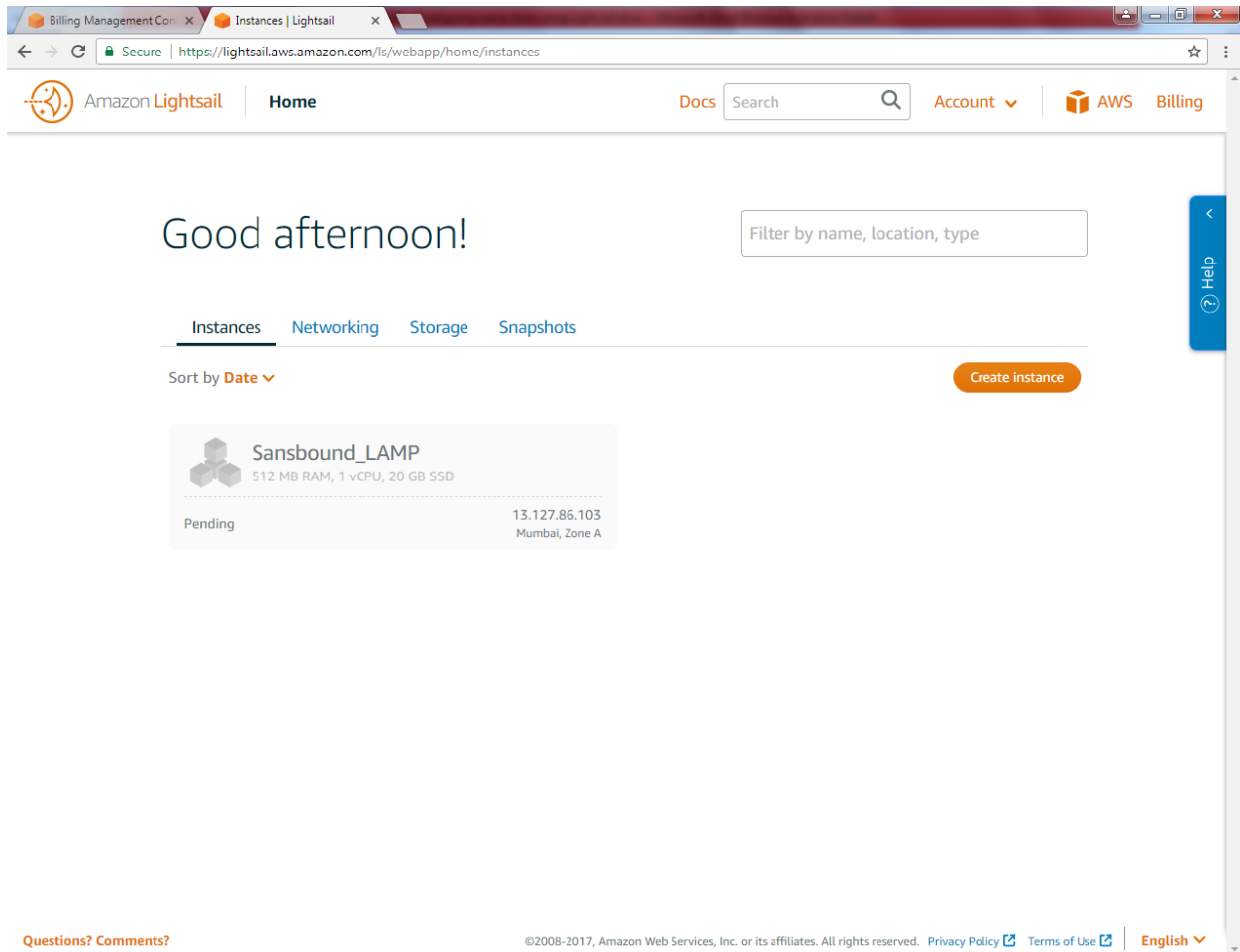
**Create**

Your use of AWS services is subject to the [AWS Customer Agreement](#).

Questions? Comments?

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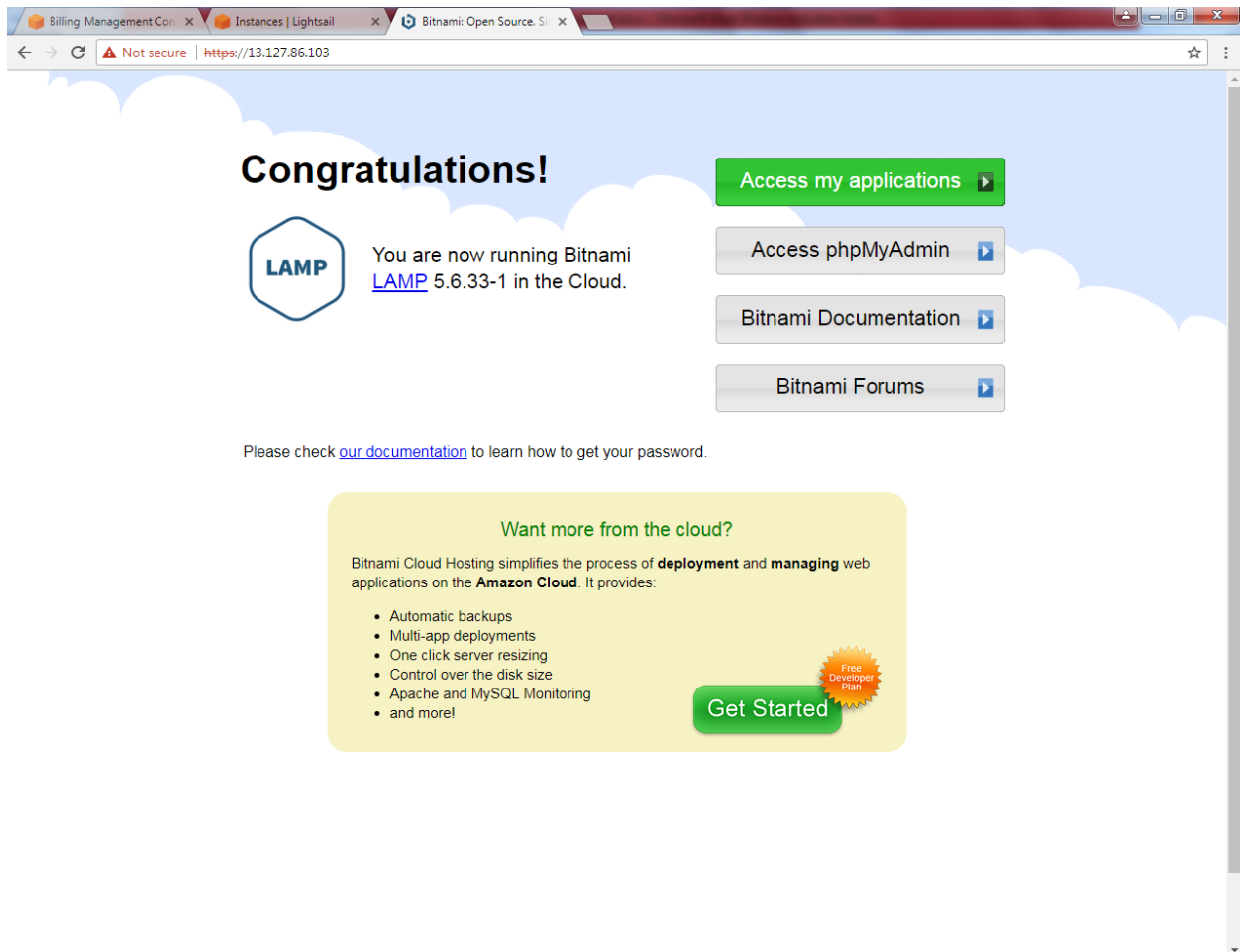
Now it's pending state.



The screenshot shows the Amazon Lightsail console interface. At the top, there's a navigation bar with the Amazon Lightsail logo, a search bar, and links for Docs, Account, AWS, and Billing. Below the navigation bar, a greeting "Good afternoon!" is displayed. A filter box allows filtering by name, location, or type. The main content area has tabs for Instances, Networking, Storage, and Snapshots. Under the Instances tab, there's a "Sort by Date" dropdown and a "Create instance" button. A table lists the instances, showing one instance named "Sansbound\_LAMP" with specifications "512 MB RAM, 1 vCPU, 20 GB SSD". The instance is in the "Pending" state and has the IP address "13.127.86.103" in the Mumbai, Zone A region. The footer contains links for Questions, Comments, Privacy Policy, Terms of Use, and a language selector set to English.

Instance Name	Specifications	State	IP Address	Location
Sansbound_LAMP	512 MB RAM, 1 vCPU, 20 GB SSD	Pending	13.127.86.103	Mumbai, Zone A

Now type <https://13.127.86.103> (i.e. IP address of Instance).



**Need to delete the instance once testing completed.**