

Using lightsail

Creating a set-up between a wordpress site and mysql database

Step1: launch and configure a wordpress instance using amazon light sail

- > set up aws account
- > creating a instance using amazon lightsail
- > on the instance choose the region and availability zone
- > lauch the instance using wordpress image
 - Choose Linux/Unix as the platform.
 - Choose WordPress as the blueprint.
- > choose an instance plan
- > create a new key-pair
- > give a unique name to the instance
- > lauch the instance

Amazon Lightsail Home

Good evening!

Filter by name, location, tag, or type

Instances Databases Networking Storage Snapshots

You have no instances right now.
Create an instance and get started with Lightsail!

Create Instance

Learn more about instances

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Amazon Lightsail Home

Learn more about WordPress on the AWS Marketplace.

By using this image, you agree to the provider's End User License Agreement.

OPTIONAL

You can add a shell script that will run on your instance the first time it launches.
+ Add launch script

SSH key pair manager

Select, create, or upload the key pair you would like to use to SSH into your instance.

Create New + Upload New

Default Download

mykey1112.pem

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

Questions? Comments?

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Amazon Lightsail

Pick your instance image?

Select a platform

- Linux/Unix 22 blueprints
- Microsoft Windows 3 blueprints

Select a blueprint

Apps + OS OS Only

- WordPress 5.3.2-3
- WordPress Multisite 5.3.2-3
- LAMP (PHP 7) 7.3.15
- Node.js 12.16.1
- Joomla 3.9.15
- Magento 2.3.4
- MEAN 4.2.3
- Drupal 8.8.2

Questions? Comments?

mykey1112.pem.pem

mykey1112.pem.pem

Amazon Lightsail

WordPress-1_task3 x 1

TAGGING OPTIONS

Use tags to filter and organize your resources in the Lightsail console. Key-value tags can also be used to organize your billing, and to control access to your resources. [Learn more about tagging.](#)

Key-only tags?

+ Add key-only tags

Key-value tags?

+ Add key-value tag

Create instance

Questions? Comments?

mylightsail.pem

mylightsail.pem

Instances | Lightsail

multi hybrid cloud - Google D

Untitled document - Google D

Tutorial: Launch and configure

lightsail.aws.amazon.com/ls/webapp/home/instances

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Amazon Lightsail

Home

Docs

Search

Account

AWS

Billing


Good evening!

Filter by name, location, tag, or type

InstancesDatabasesNetworkingStorageSnapshots

Sort by Date

Create instance



WordPress-1_task3

512 MB RAM, 1 vCPU, 20 GB SSD

Pending

Not available

Mumbai, Zone A

Questions? Comments?

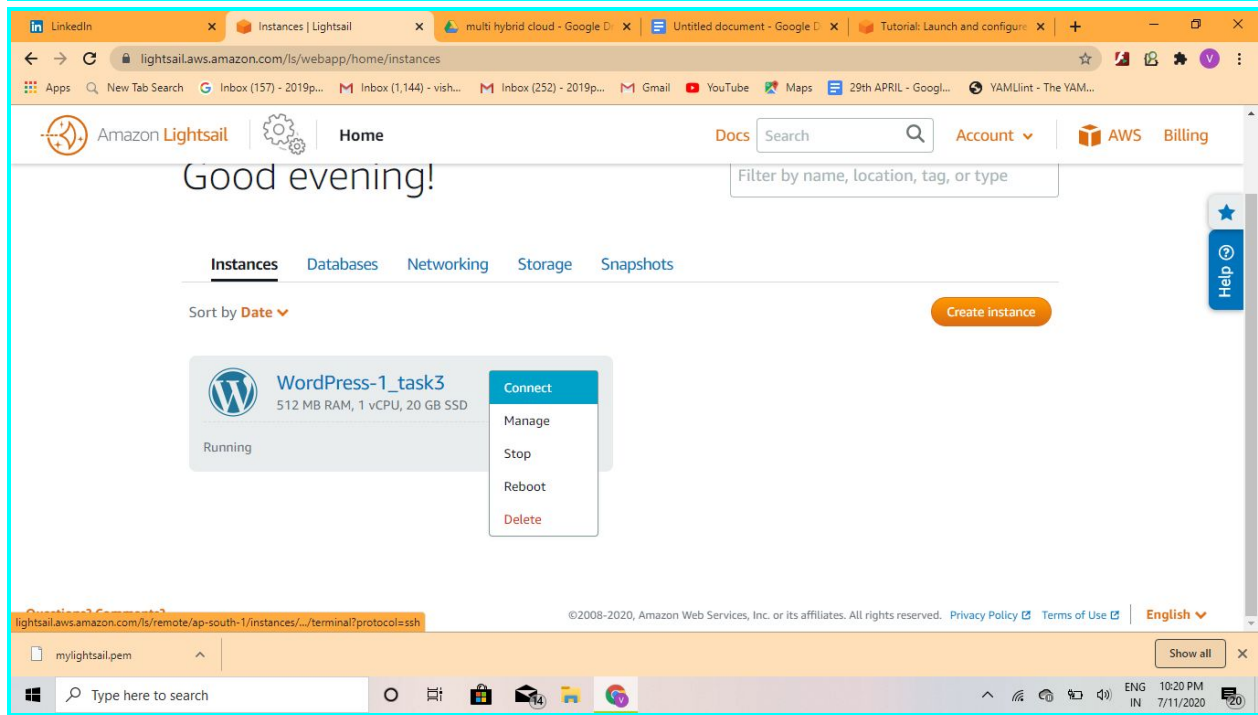
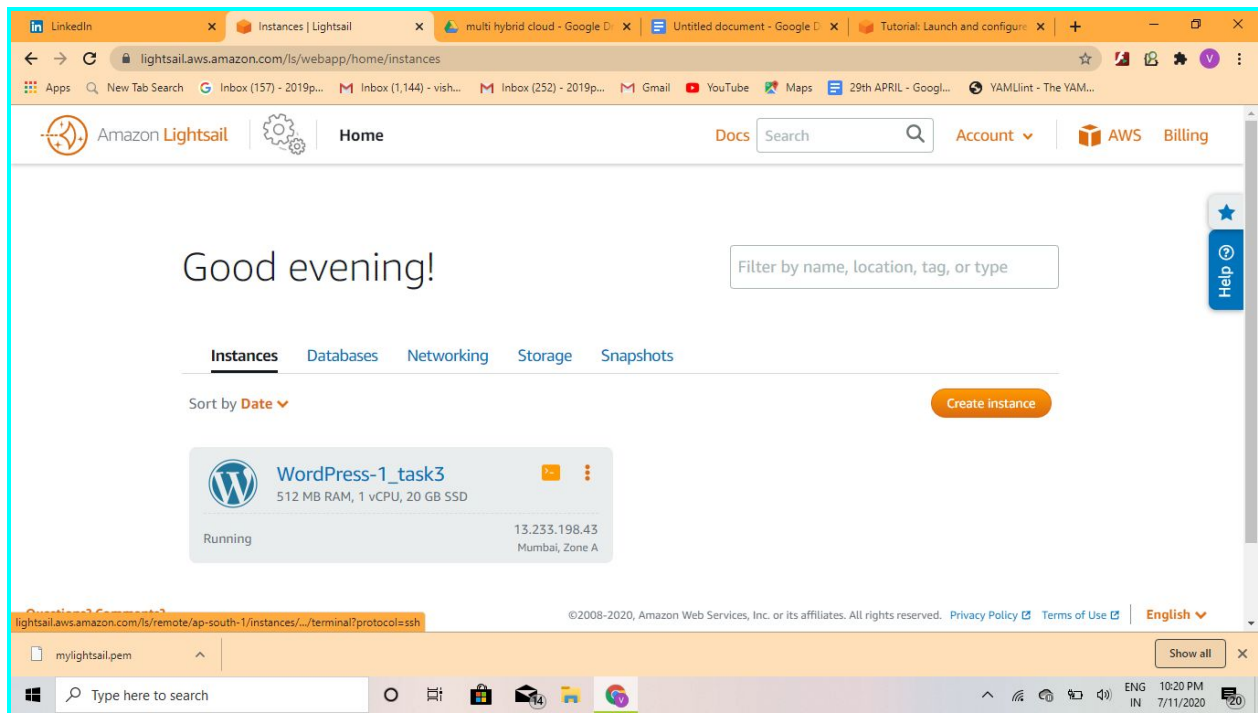
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mylightsail.pem

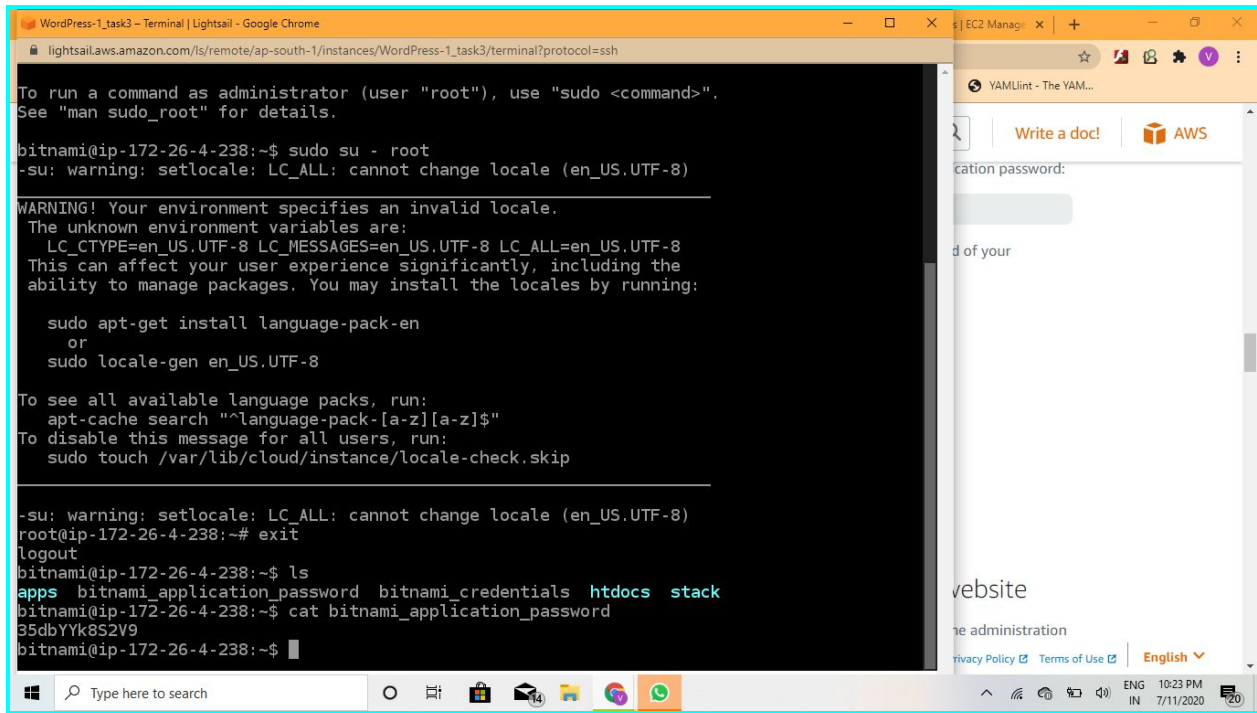
Show all

Type here to search

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Connect the instance directly using the instance tab or connect



Sign in to the administrator dashboard of the wordpress

http://public_ip/wp-config.php

Amazon Lightsail

Connect

Connect securely using your browser ?

You can still use your own compatible ssh client with your device or software to connect to your instance. [Learn how to connect using your own SSH client](#)

Connect using SSH

Connect using your own SSH client ?

You can connect to your instance using the following address and user name:

Public IP ?

13.233.198.43

User name ?

bitnami

Questions? Comments?

When you connect with your client, you will also need the private key.

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WordPress

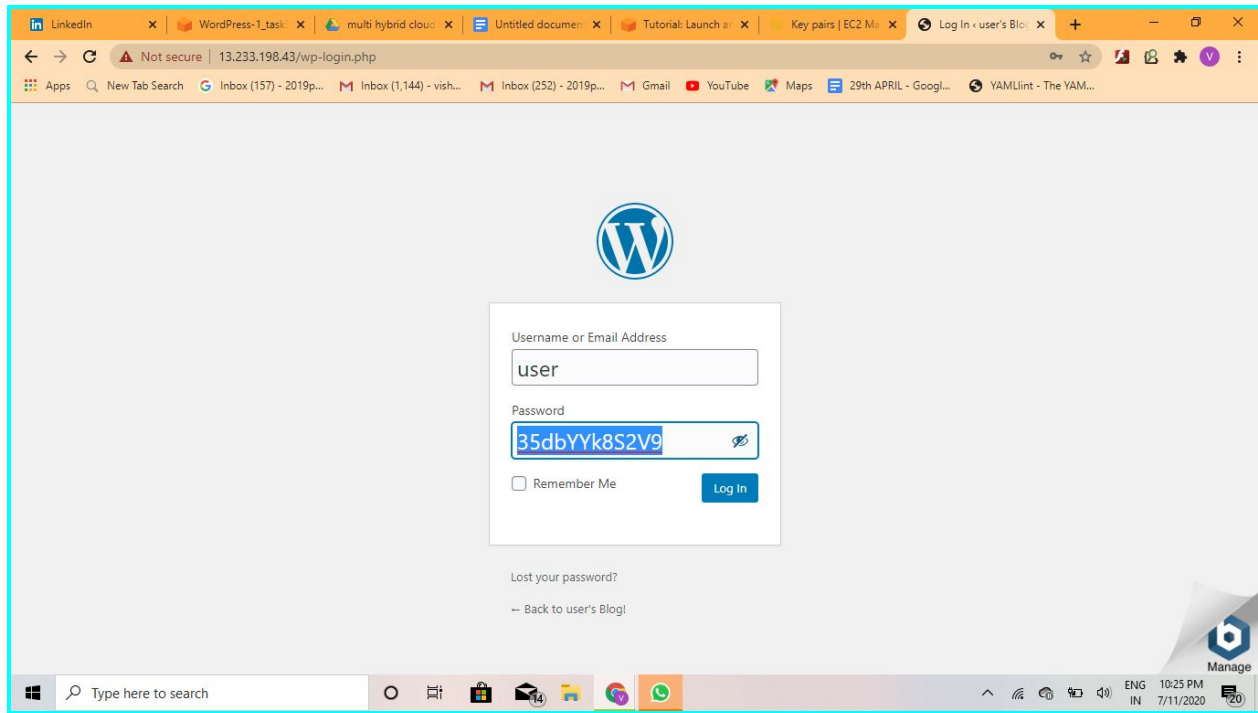
Username or Email Address

Password

☐ Remember Me **Log In**

[Lost your password?](#)

[Back to user's Blog!](#)



Now if u want to make static ip u can choose networking > static_ip
And if u want DNS thn u can make changes according

Step2:
Setting up the database

Amazon Lightsail Home

Good evening!

Filter by name, location, tag, or type

Instances **Databases** Networking Storage Snapshots

You have no databases right now.

Create a database and get started!

Create database

Learn more about databases

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Database location

You are creating this database in **Singapore, Zone A (ap-southeast-1a)**

Change AWS Region and Availability Zone

Pick your database

MySQL 8.0.19 PostgreSQL 11.8

MySQL 8.0.19

MySQL is the most popular open source database in the world. MySQL on Lightsail offers the features of the MySQL community edition. It provides the flexibility to easily scale compute resources or storage capacity for your database.

Learn more about databases.

OPTIONAL

You can specify your own database user name and password. Otherwise, we'll manage them for you. Learn more about managed passwords.

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Create a database x multi hybrid cloud x Untitled document x Creating a databa x Key pairs | EC2 M x Dashboard (user x what all services a x + -

lightsail.aws.amazon.com/ls/webapp/create/database?region=ap-south-1


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Amazon Lightsail Home Docs Search Account AWS Billing


Select your database location


Select a Region


Creating your database in close proximity to your users may improve response time.
[Learn more about Regions](#)


 Singapore
ap-southeast-1


 Mumbai
ap-south-1


 Seoul
ap-northeast-2


 Tokyo
ap-northeast-1


 Sydney
ap-southeast-2


 Frankfurt
eu-central-1


 Paris
eu-west-3


 London
eu-west-2

 Ireland
eu-west-1

 Oregon
us-west-2

 Ohio
us-east-2

 Virginia
us-east-1

 Montreal
ca-central-1

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lightsail.aws.amazon.com/ls/webapp/create/database?region=ap-south-1

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USD	USD	USD	USD	
\$15 USD	\$30 USD	\$60 USD	\$115 USD	Price per month
1 GB	2 GB	4 GB	8 GB	Memory
1 vCPU	1 vCPU	2 vCPUs	2 vCPUs	Processing
40 GB SSD	80 GB SSD	120 GB SSD	240 GB SSD	Storage
100 GB	100 GB	100 GB	200 GB	Transfer

If you need to import more than 10 GB of data, we recommend choosing a larger database plan.
[Learn more](#)

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

Identify your database

Your Lightsail resources must have unique names.

Database-1_task3

TAGGING OPTIONS

Use tags to filter and organize your resources in the Lightsail console. Key-value tags can also be used to organize your billing, and to control access to your resources.
[Learn more about tagging](#)

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lightsail.aws.amazon.com/ls/webapp/create/database?region=ap-south-1

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Database-1_task3

TAGGING OPTIONS

Use tags to filter and organize your resources in the Lightsail console. Key-value tags can also be used to organize your billing, and to control access to your resources. [Learn more about tagging.](#)

Key-only tags ?

earth_1 Enter a tag key

Add a tag key and press Enter.

Key-value tags ?

+ Add key-value tag

Key Value

project earth

Questions? Comments?

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Amazon Lightsail Home Docs Search Account AWS Billing

Good evening!

Filter by name, location, tag, or type

Instances **Databases** Networking Storage Snapshots

Sort by Date Create database

Database-1_task3

MySQL database (8.0.19)

40 GB SSD

Creating Mumbai, Zone A

Questions? Comments?

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Instances | Lightsail

multi hybrid cloud

Untitled document

Configuring the p

Key pairs | EC2 M

Dashboard (user)

what all services

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Apps

New Tab Search

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Amazon Lightsail

Home

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Search

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Good evening!

Filter by name, location, tag, or type

Instances

Databases

Networking

Storage

Snapshots

Sort by Date

Create instance

WordPress-1_task3

512 MB RAM, 1 vCPU, 20 GB SSD

Running

Connect

Manage

Stop

Reboot

Delete

lightsail.aws.amazon.com/ls/webapp/ap-south-1/instances/.../connect

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multi hybrid cloud

Untitled document

Creating a databa

Database-1_task3

Billing Manage

Dashboard (user)

what all services

lightsail.aws.amazon.com/ls/webapp/ap-south-1/databases/Database-1_task3/connect

Apps

New Tab Search

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Gmail

YouTube

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29th APRIL - Googl...

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Amazon Lightsail

Home

Docs

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Account

AWS

Billing

Database-1_task3

1 GB RAM, 1 vCPU, 40 GB SSD

MySQL database (8.0.19)

Mumbai, Zone A (ap-south-1a)

Stop

Reboot

Manage tags

Status: Backing up

Endpoint: ls-1f7ad2f51051008029ba35e4fc1a156b65dc56c3.cbe8kvqtsc96.ap-south-1.rds.amazonaws.com

Port: 3306

Connect

Logs & history

Metrics

Networking

Snapshots & restore

Tags

Delete

Connection details

User name and password

User name dbmasteruser

Applying settings

This might take a while.

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multi hybrid cloud x | Untitled document x | Configuring the p... x | Database-1_task3 x | Billing Manage... x | Dashboard (user... x | what all services a... x | +

lightsail.aws.amazon.com/ls/webapp/ap-south-1/databases/Database-1_task3/connect

Apps | New Tab Search | Inbox (157) - 2019p... | Inbox (1,144) - vish... | Inbox (252) - 2019p... | Gmail | YouTube | Maps | 29th APRIL - Googl... | YAMLint - The YAM...

Amazon Lightsail | Home | Docs | Search | Account | AWS | Billing

User name and password ?

User name
dbmasteruser


Password (show)

[Change password](#)

Endpoint and port ?

Endpoint
ls-1f7ad2f51051008029ba35e4fc1a156b65dc56c3.cbe8kvqtc96.ap-south-1.rds.amazonaws.com

Port
3306

 **Public mode is disabled.**
Only your Lightsail resources in the same Region as your database can connect to it.

Questions? Comments?

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multi hybrid cloud x | Untitled document x | Configuring the p... x | Database-1_task3 x | Billing Manage... x | Dashboard (user... x | what all services a... x | +

lightsail.aws.amazon.com/ls/webapp/ap-south-1/databases/Database-1_task3/networking

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Amazon Lightsail | Home | Docs | Search | Account | AWS | Billing



Database-1_task3
1 GB RAM, 1 vCPU, 40 GB SSD
MySQL database (8.0.19)
Mumbai, Zone A (ap-south-1a)
[Manage tags](#)

[Stop](#) [Reboot](#)

Status: **Available**
Endpoint: **ls-1f7ad2f51051008029ba35e4fc1a156b65dc56c3.cbe8kvqtc96.ap-south-1.rds.amazonaws.com**
Port: **3306**

[Connect](#) [Logs & history](#) [Metrics](#) [Networking](#) [Snapshots & restore](#) [Tags](#) [Delete](#)

Network security

☒ **Public mode**

When public mode is enabled, anyone with your database user name and password can connect to it. When this mode is disabled, only your Lightsail resources in the same Region as your database can connect to it.

Public mode is **disabled**.

Questions? Comments?

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Configuring the d... x

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Billing Managem... x

Dashboard (user... x

what all services... x

+ x

lightsail.aws.amazon.com/ls/webapp/ap-south-1/databases/Database-1_task3/connect

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Amazon Lightsail

Home

Docs Search

Account

AWS Billing

Status: Available

Endpoint: ls-1f7ad2f51051008029ba35e4fc1a156b65dc56c3.cbe8kvqtsc96.ap-south-1.rds.amazonaws.com

Port: 3306

Connect Logs & history Metrics Networking Snapshots & restore Tags Delete

Connection details

User name and password

User name

dbmasteruser

Password (show)

Change password

Endpoint and port

Endpoint

ls-1f7ad2f51051008029ba35e4fc1a156b65dc56c3.cbe8kvqtsc96.ap-south-1.rds.amazonaws.com

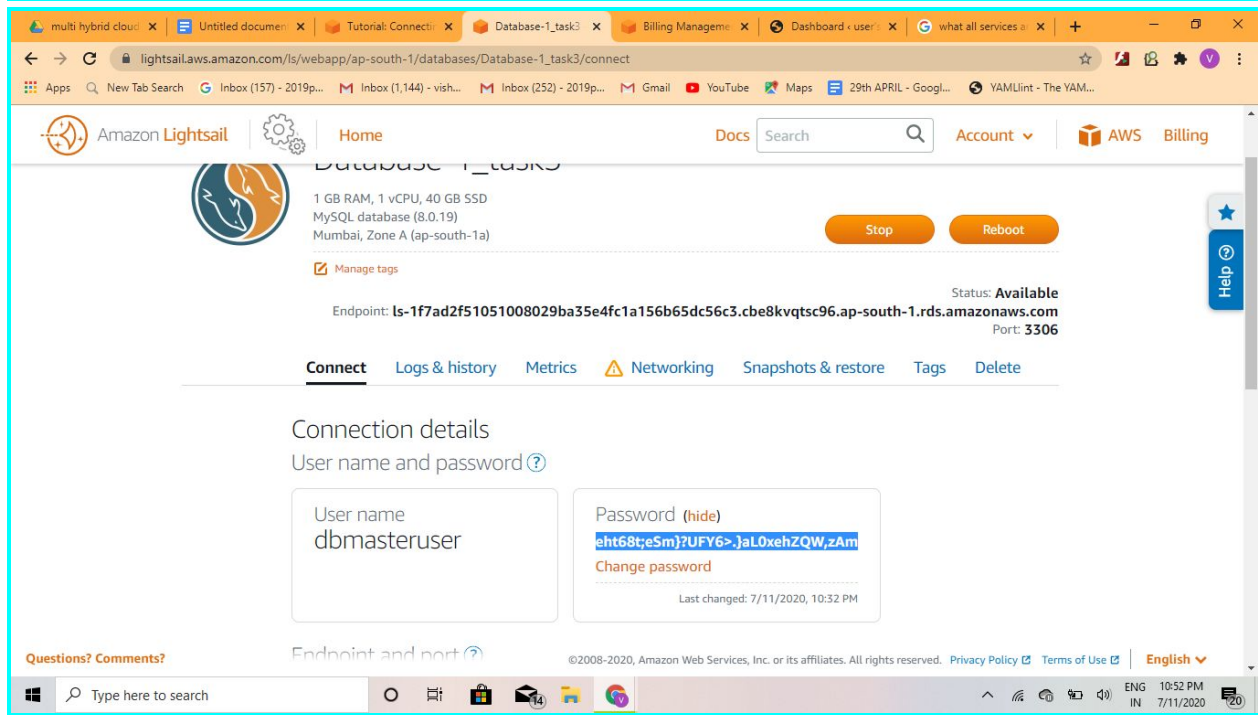
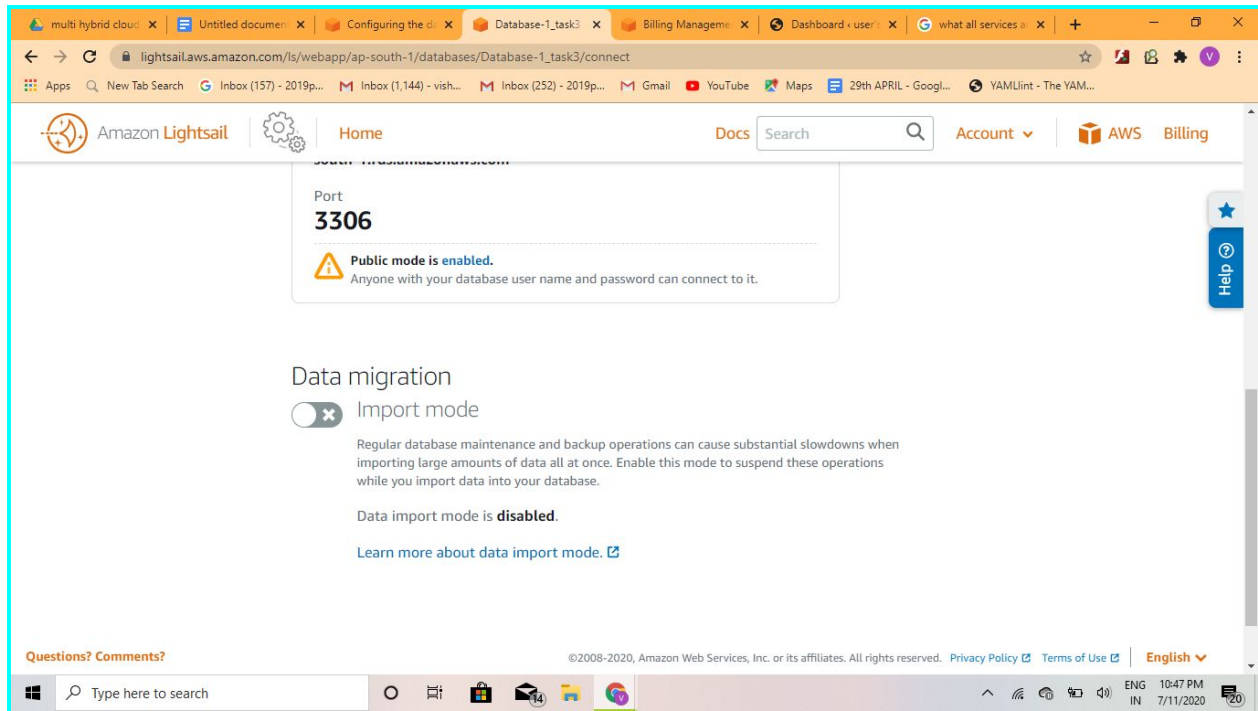
Port

Questions? Comments?

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- > go to the databases
- > select the region and availability zone
- > select the database
- > if u want u can add the key value tag

It will take around 5 min to setup the database

- > to make the database private
- > go to networking
- > and block the public mode

If u want to restrict the data migration u can use disable the data migration mode

Step3: connectivity between the wordpress and mysql database

```
mysqldump -u root --databases bitnami_wordpress --single-transaction  
--compress --order-by-primary -p$(cat  
/home/bitnami/bitnami_application_password) | mysql  
-u dbmasteruser --host  
http://s-a3420cc0b7a6c82a21d611e6e58198cf01c.czowadgeezqi.us-west-2.rds.am  
azonaws.com  
--password
```

Run this command and give the database password

Steps to configure the step-up

```
cp /opt/bitnami/apps/wordpress/htdocs/wp-config.php  
/opt/bitnami/apps/wordpress/htdocs/wp-config.php-backup
```

```
nano /opt/bitnami/apps/wordpress/htdocs/wp-config.php
```

WordPress-1_task3 - Terminal | Lightsail - Google Chrome
lightsailaws.amazon.com/ls/remote/ap-south-1/instances/WordPress-1_task3/terminal?protocol=ssh

GNU nano 2.5.3 File: /opt/bitnami/apps/wordpress/htdocs/wp-config.php Modified

```
* * ABSPATH
*
* @link https://codex.wordpress.org/Editing_wp-config.php
*
* @package WordPress
*/

// ** MySQL settings - You can get this info from your web host ** //
/** The name of the database for WordPress */
define( 'DB_NAME', 'bitnami_wordpress' );

/** MySQL database username */
define( 'DB_USER', 'bn_wordpress' );

/** MySQL database password */
define( 'DB_PASSWORD', '575339d712' );

/** MySQL hostname */
define( 'DB_HOST', 'localhost:3306' );

/** Database Charset to use in creating database tables. */
define( 'DB_CHARSET', 'utf8' );

/** The Database Collate type. Don't change this if in doubt. */
```

Get Help Write Out Where Is Cut Text Justify Cur Pos Prev Page First Line
Exit Read File Replace Uncut Text To Spell Go To Line Next Page Last Line

WordPress-1_task3
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WordPress-1_task3 - Terminal | Lightsail - Google Chrome
lightsailaws.amazon.com/ls/remote/ap-south-1/instances/WordPress-1_task3/terminal?protocol=ssh

GNU nano 2.5.3 File: /opt/bitnami/apps/wordpress/htdocs/wp-config.php Modified

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*/

// ** MySQL settings - You can get this info from your web host ** //
/** The name of the database for WordPress */
define( 'DB_NAME', 'bitnami_wordpress' );

/** MySQL database username */
define( 'DB_USER', 'dbmasteruser' );

/** MySQL database password */
define( 'DB_PASSWORD', 'done1234' );

/** MySQL hostname */
define( 'DB_HOST', 'ls-1f7ad2f51051008029ba35e4fc1a156b65dc56c3.cbe8kvqts96.ap-south-1.rds.amazonaws.com:3306' );

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WordPress-1_task3
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WordPress-1_task3 - Terminal | Lightsail - Google Chrome
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/** Database Charset to use in creating database tables. */ define( 'DB_CHARSET', 'utf8' );

/** The Database Collate type. Don't change this if in doubt. */
Save modified buffer (ANSWERING "No" WILL DESTROY CHANGES) ?
Y Yes
N No ^C Cancel
```

WordPress-1_task3
13.233.198.43

Type here to search

WordPress-1_task3 - Terminal | Lightsail - Google Chrome
lightsailaws.amazon.com/ls/remote/ap-south-1/instances/WordPress-1_task3/terminal?protocol=ssh

GNU nano 2.5.3 File: /opt/bitnami/apps/wordpress/htdocs/wp-config.php Modified

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/** Database Charset to use in creating database tables. */ define( 'DB_CHARSET', 'utf8' );

/** The Database Collate type. Don't change this if in doubt. */
File Name to Write: /opt/bitnami/apps/wordpress/htdocs/wp-config.php
^G Get Help      M-D DOS Format      M-A Append          M-B Backup File
^C Cancel        M-M Mac Format      M-P Prepend         ^T To Files
```

WordPress-1_task3
13.233.198.43

Type here to search

```
WordPress-1_task3 - Terminal | Lightsail - Google Chrome
lightsailaws.amazon.com/ls/remote/ap-south-1/instances/WordPress-1_task3/terminal?protocol=ssh

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/** Database Charset to use in creating database tables. */ define( 'DB_CHARSET', 'utf8' );

/** The Database Collate type. Don't change this if in doubt. */

bitnami@ip-172-26-4-238:~$ cp /opt/bitnami/apps/wordpress/htdocs/wp-config.php-backup /opt/bitnami/apps/wordpress/htdocs/wp-config.php
bitnami@ip-172-26-4-238:~$
```

sudo /opt/bitnami/ctlscript.sh restart

