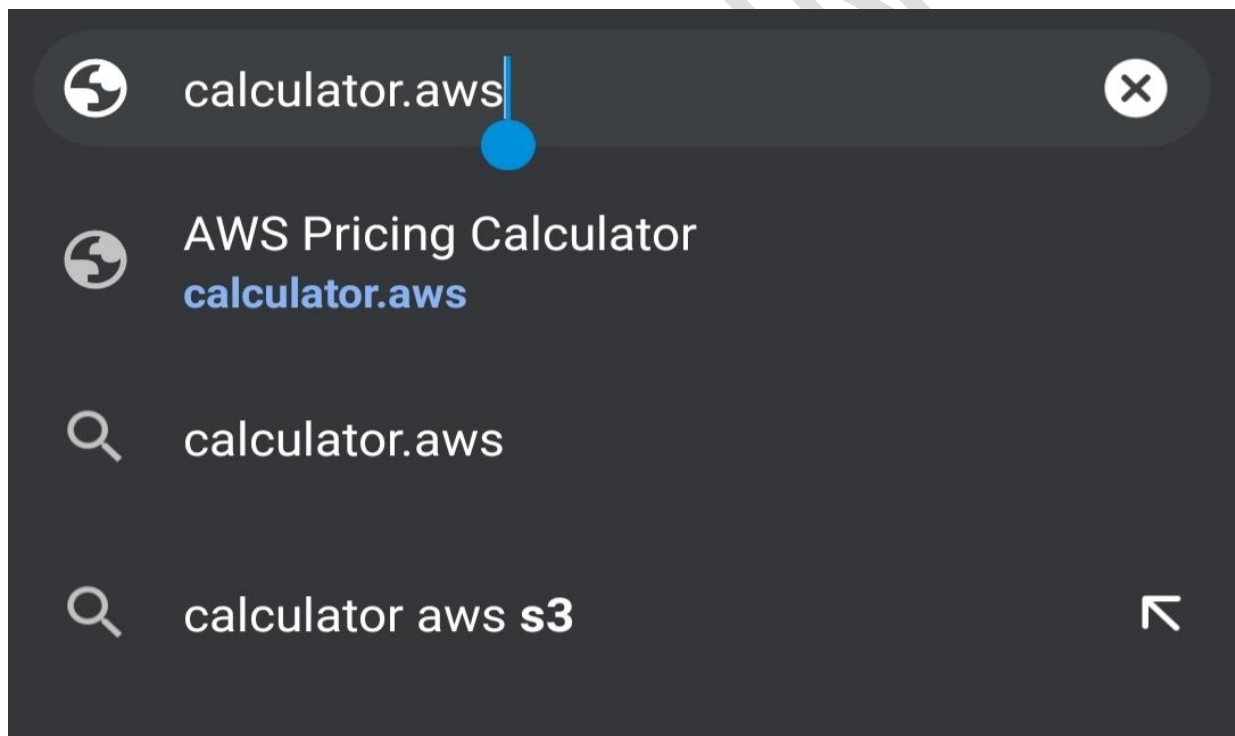


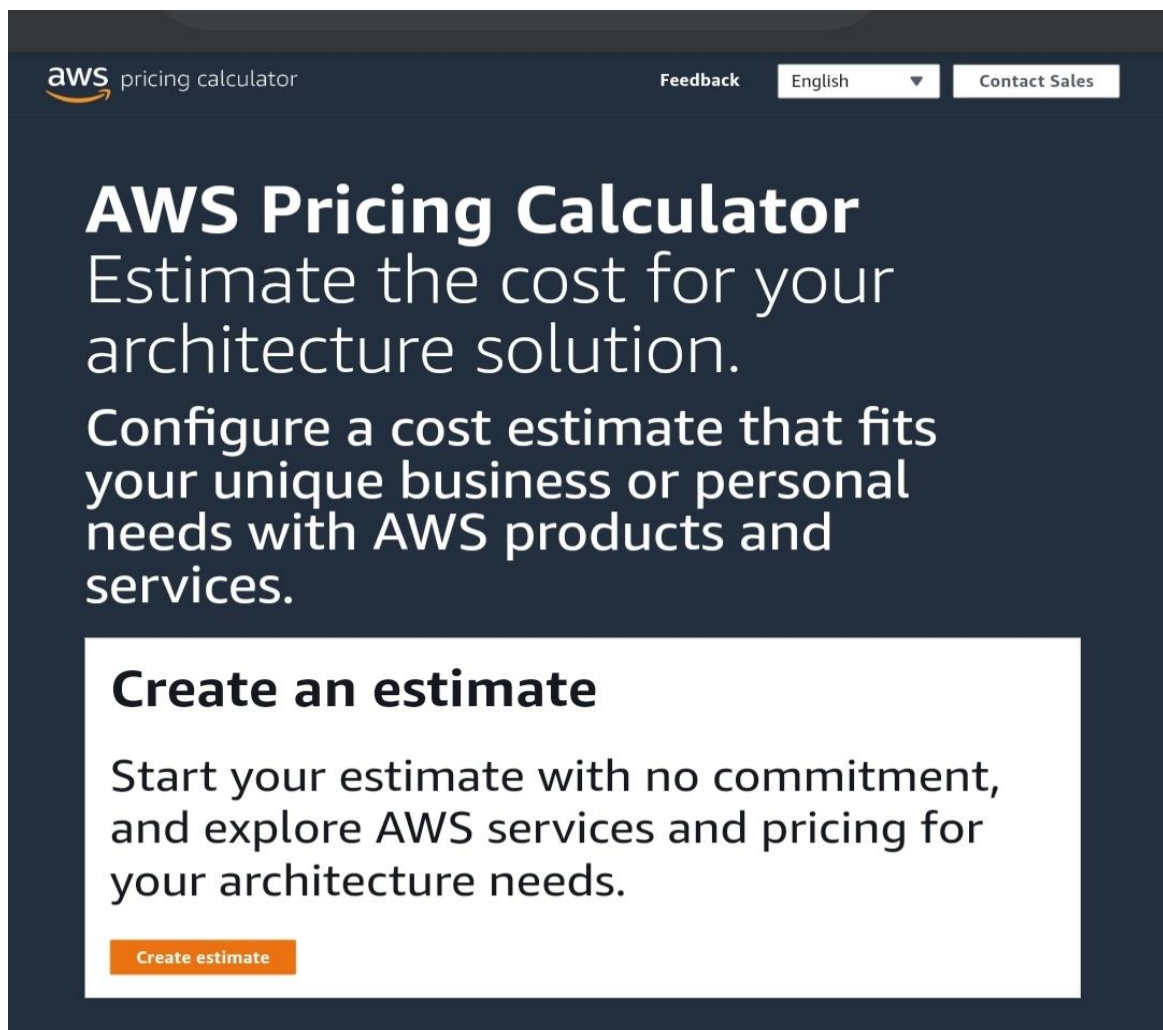
Assignment Name – To find the estimate of the services using AWS calculator.

Description:- I want "Amazon Aurora MySQL-Compatible" relational database of 30 GB storage having 1 node and 20 GB Backup storage.


-> First visit on "calculator.aws" website from your browser.



->Then the new page will be opened like below . Now click on “create estimate”.



->The service selection page will be opened and now we can select any service.

 pricing calculator

FeedbackEnglish▼Contact Sales

[AWS Pricing Calculator](#) > [My Estimate](#) > Add service

Step 1
Select service

Step 2
Configure service

Select service [Info](#)

AWS services (100)Cancel

Amazon API Gateway

Amazon API Gateway is a fully managed service that makes it easy for developers to create, publish, maintain, monitor, and secure APIs at any scale. APIs act as the front door for applications to access data, business logic, or functionality from your backend services.

[Product page](#)Configure

Amazon Athena

Amazon Athena is an interactive query service that makes it easy to analyze data in Amazon S3 using standard SQL. Athena is serverless, so there is no infrastructure to manage, and you pay only for the queries that you run.

[Product page](#)Configure

Amazon Aurora MySQL-Compatible

Amazon Aurora MySQL Compatible relational database is built for the cloud, that combines performance and availability of traditional enterprise databases with the simplicity and cost-effectiveness of open source databases.

[Product page](#)Configure

Amazon Aurora PostgreSQL-Compatible DB

Amazon Aurora is a MySQL and PostgreSQL-compatible relational database built for the cloud, that combines the performance and availability of traditional enterprise databases with the simplicity and cost-effectiveness of open source databases.

[Product page](#)Configure

Amazon Carrier IP

A Carrier IP address is the address that you assign to a network interface, which resides in a subnet in a Wavelength Zone (for example an EC2 instance)

[Product page](#)Configure

Amazon Chime

Amazon Chime lets users meet and chat online, and the Amazon Chime SDK lets developers add audio and video collaboration to their applications.

[Product page](#)Configure

->Here I have selected “**Amazon Aurora MySQL-Compatible**”

Amazon Aurora MySQL-Compatible

Amazon Aurora MySQL Compatible relational database is built for the cloud, that combines performance and availability of traditional enterprise databases with the simplicity and cost-effectiveness of open source databases.

[Product page](#)

[Configure](#)

->Now fill the **Description** .

Description

I want 20 Gb of storage in Amazon Aurora MySQL

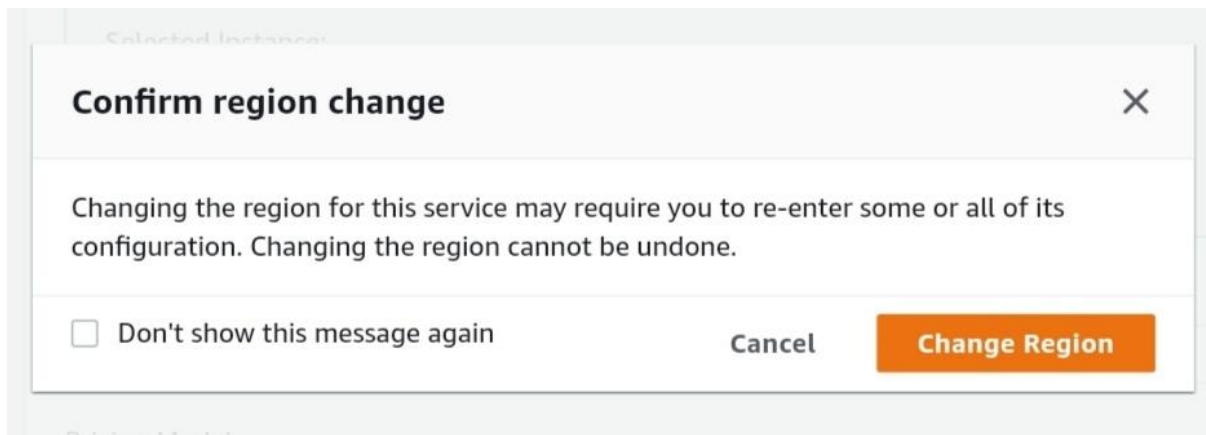
->Next we have to select AWS cluster **data center**. I have selected **US East(ohio)** because it is cheaper than other data centers.

Region [Info](#)

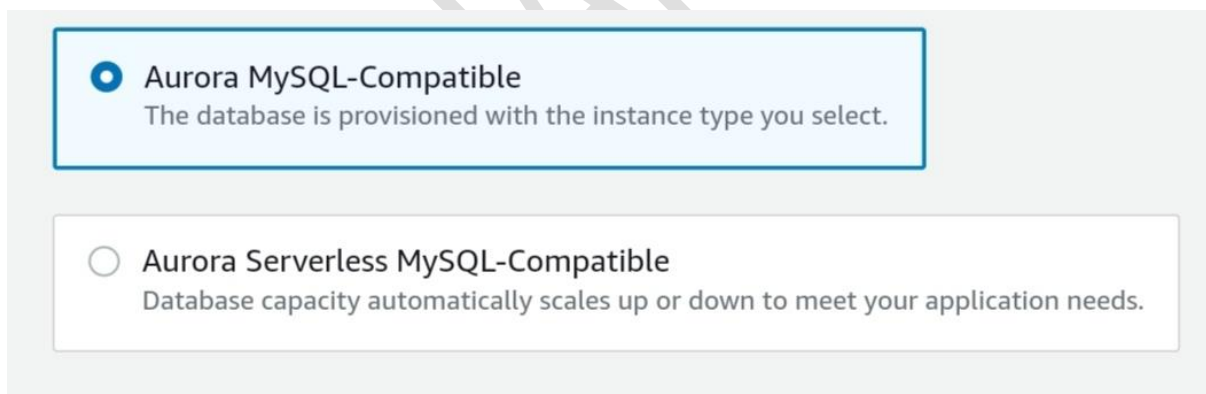
It is a physical location around the world where AWS clusters data centers.

US East (Ohio) ▲
Africa (Cape Town)
Asia Pacific (Hong Kong)
Asia Pacific (Tokyo)
Asia Pacific (Seoul)
Asia Pacific (Mumbai)
Asia Pacific (Singapore)
Asia Pacific (Sydney)
Canada (Central)
EU (Frankfurt)
EU (Stockholm)
EU (Milan)
EU (Ireland)
EU (London)
EU (Paris)
Middle East (Bahrain)
South America (Sao Paulo)
US East (N. Virginia)
US East (Ohio)
US West (N. California)

->Now select **“Change Region”** to confirm.



->Now select your database type.



->Now come into the instance block and select the no. of **Nodes**.

▼ Select Aurora MySQL Compatible instances

Nodes

1

Q db.t2.medium X

Selected Instance:
db.t2.medium
vCPU: 2 Memory: 4 GiB Network Performance: Low to Moderate

Instance Family

General purpose ▼

Pricing Model

OnDemand ▼

► Show calculations

->Now we have to select the **instance type** .

db.t2.medium	vCPU: 2	Memory: 4 GiB	Network Performance: Low to Moderate
db.t2.small	vCPU: 1	Memory: 2 GiB	Network Performance: Low to Moderate
db.t3.large	vCPU: 2	Memory: 8 GiB	Network Performance: Low to Moderate
db.t3.medium	vCPU: 2	Memory: 4 GiB	Network Performance: Low to Moderate
db.t3.small	vCPU: 2	Memory: 2 GiB	Network Performance: Low to Moderate
db.r3.2xlarge	vCPU: 8	Memory: 61 GiB	Network Performance: High
db.r3.4xlarge	vCPU: 16	Memory: 122 GiB	Network Performance: High
db.r3.8xlarge	vCPU: 32	Memory: 244 GiB	Network Performance: 10 Gigabit
db.r3.large	vCPU: 2	Memory: 15.25 GiB	Network Performance: Moderate
db.r3.xlarge	vCPU: 4	Memory: 30.5 GiB	Network Performance: Moderate
db.r4.16xlarge	vCPU: 64	Memory: 488 GiB	Network Performance: 20 Gigabit
db.r4.2xlarge	vCPU: 8	Memory: 61 GiB	Network Performance: Up to 10 Gigabit
db.r4.4xlarge	vCPU: 16	Memory: 122 GiB	Network Performance: Up to 10 Gigabit
Q Select an instance			

->I have selected **medium** because it provides 2 virtual CPU and 4GiB memory.

Selected Instance:

db.t2.medium

vCPU: 2 Memory: 4 GiB Network Performance: Low to Moderate

->Now select **instance family** and **pricing model**. I selected “**OnDemand**” because I don’t want database for long period of time.

Instance Family

General purpose

Pricing Model

OnDemand

OnDemand

Reserved

->Now click on “show calculations”.

▼ Select Aurora MySQL Compatible instances

Nodes

1

db.t2.medium

Selected Instance:

db.t2.medium

vCPU: 2 Memory: 4 GiB Network Performance: Low to Moderate

Instance Family

General purpose

Pricing Model

OnDemand

▼ Show calculations

1 instance(s) x 0.082 USD hourly x 730 hours in a month = 59.8600 USD

Amazon Aurora MySQL Compatible cost (monthly): 59.86 USD

Amazon Aurora MySQL Compatible cost (upfront): 0.00 USD

->Now come in “ **Database Storage**” block and select storage amount. I have selected 30 GB per month. Also fill other details as per the requirement.

▼ Database Storage [Info](#)

Storage amount

GB ▲

MB

GB

TB

Number of reads per second

Total number of reads per second for the cluster

Number of writes per second

Total number of writes per second for the cluster

► Show calculations

▼ Database Storage [Info](#)

Storage amount

GB ▼

Number of reads per second

Total number of reads per second for the cluster

Number of writes per second

Total number of writes per second for the cluster

► Show calculations

->Now click on **show calculations**.

▼ Database Storage [Info](#)

Storage amount

Number of reads per second

Total number of reads per second for the cluster

Number of writes per second

Total number of writes per second for the cluster

▼ Show calculations

$30 \text{ GB} \times 0.10 \text{ USD} = 3.00 \text{ USD}$ (Database Storage Cost)

$10 \text{ Reads/Second} + 5 \text{ Writes/Second} = 15 \text{ Number of I/Os per second}$

$15 \text{ I/Os per second} \times 730 \text{ hours} \times 60 \text{ minutes} \times 60 \text{ Seconds} = 39,420,000 \text{ Number of I/Os per month}$
 $39,420,000 \times 0.0000002 \text{ USD} = 7.88 \text{ USD}$ (I/O Rate Cost)

$3.00 \text{ USD} + 7.88 \text{ USD} = 10.88 \text{ USD}$

Total Storage Cost (monthly): 10.88 USD

->Now come in “**Backup storage**” block and fill the amount.

▼ Backup Storage [Info](#)

Additional backup storage

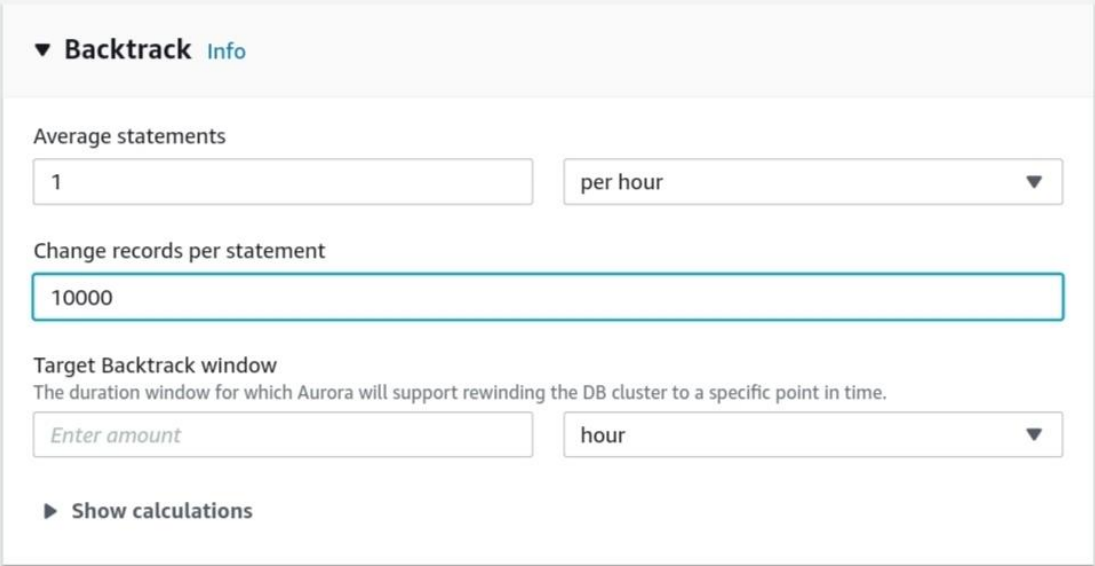
▼ Show calculations

20 GB x 0.021 USD = 0.42 USD

Additional backup storage cost (monthly): 0.42 USD

BANDHAN

->Now come in “**Backtrack**” block. Backtrack means to undo the mistake. Now enter the details as per the requirement. I have selected 1 average statement per hour and 10000 change records per statement .



The screenshot shows a configuration panel titled "Backtrack" with an "Info" link. It contains three main sections: "Average statements" with a text input set to "1" and a dropdown menu set to "per hour"; "Change records per statement" with a text input set to "10000"; and "Target Backtrack window" with a description "The duration window for which Aurora will support rewinding the DB cluster to a specific point in time.", a text input with placeholder "Enter amount", and a dropdown menu set to "hour". At the bottom is a "Show calculations" button.

▼ **Backtrack** [Info](#)

Average statements

1 per hour ▼

Change records per statement

10000

Target Backtrack window
The duration window for which Aurora will support rewinding the DB cluster to a specific point in time.

Enter amount hour ▼

► Show calculations

->Now select the **backtrack time** i.e. how much reverse that you want to go into the table while backtracking.

▼ Backtrack [Info](#)

Average statements

per hour

▼

Change records per statement

Target Backtrack window

The duration window for which Aurora will support rewinding the DB cluster to a specific point in time.

hour

▲

hour

► Show calculations

BANDHA

->Click on **show calculations**.

▼ Backtrack [Info](#)

Average statements

per hour

▼

Change records per statement

Target Backtrack window

The duration window for which Aurora will support rewinding the DB cluster to a specific point in time.

hour

▼

▼ Show calculations

Unit conversions

Average statements: 1 per hour * (730 hours in a month) = 730 per month

Pricing calculations


730 average statements x 10,000 change records x 24 hours x 0.000000012 USD = 2.10 USD (Backtrack cost)

Backtrack cost (monthly): 2.10 USD

->At the end of the page the **total estimate** per month will be given to us.

Amazon Aurora MySQL-Compatible estimate	
Amazon Aurora MySQL Compatible cost (monthly)	59.86 USD
Total Storage Cost (monthly)	10.88 USD
Additional backup storage cost (monthly)	0.42 USD
Backtrack cost (monthly)	2.10 USD
Total monthly cost:	73.26 USD
<div>Cancel Add to my estimate</div>	

->After clicking to “ **Add to my estimate** “ the new page will be opened which shows us complete details of our order. Here we can also add new services by clicking on “ **Add service**”.

 pricing calculator

Feedback

English ▼

Contact Sales

✔ Successfully added Amazon Aurora MySQL-Compatible estimate. ✕

[AWS Pricing Calculator](#) > [My Estimate](#)

My Estimate [Edit](#)

Add service

Add support

Add group

Clear estimate

Export estimate

Share

Estimate summary [Info](#)

Upfront cost	Monthly cost	Total 12 months cost
0.00 USD	73.26 USD	879.12 USD

Getting Started with AWS

Contact Us

Sign in to the Console

Services (1)

Amazon Aurora MySQL-Compatible

Description: I want 20 Gb of storage in Amazon Aurora MySQL
Region: US East (Ohio)

EditAction ▼

Aurora MySQL-Compatible

Change records per statement (10000), Nodes (1), Instance Type (db.t2.medium), Instance Family (General purpose), Pricing Model (OnDemand), Storage amount (30 GB), Additional backup storage (20 GB)

Monthly:73.26 USD