EC2 everything is Pay as you go

There is another concept ---> Pay as you use (you have deployed the application, but noone is making a request) . say if application is not getting executed, it will not be charged

If code is executed only then bill should be generated, till then bill will not be generated

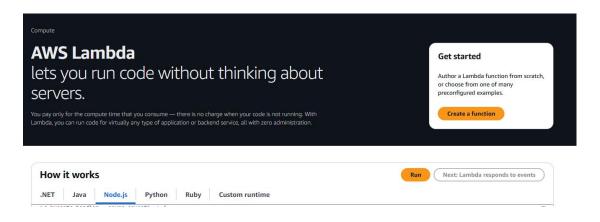
If code I executed for 10 min, then bill should be generated for only 10 minutes

If you want this then we need ====> Serverless computing comes into picture

Serverless means how much my application is getting used, only for that much I will be charged. For idle time, I wont be charged at all.

Run your application without thinking about servers. EC2 works like servers

AWS Lambdas



You pay only for the compute time that you consume — there is no charge when your code is not running.

AWS Lambdas are used to implement Serverless computing

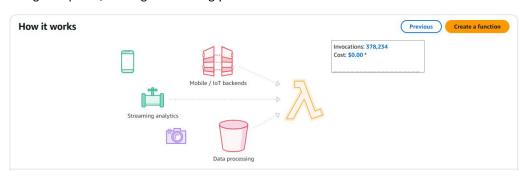
It is a way to run our application or code without creating / managing /paying for servers

If Application has 100 functionalities ---> we create 100 Lambda functions
For bigger applications with hundreds of functionalities, would you go with AWS Lambda? The answer

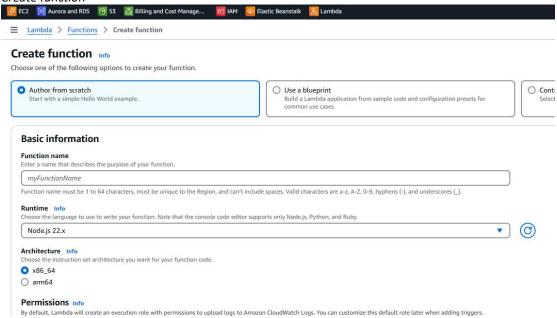
Depends on what features or functionalities we have, we go with Lambdas

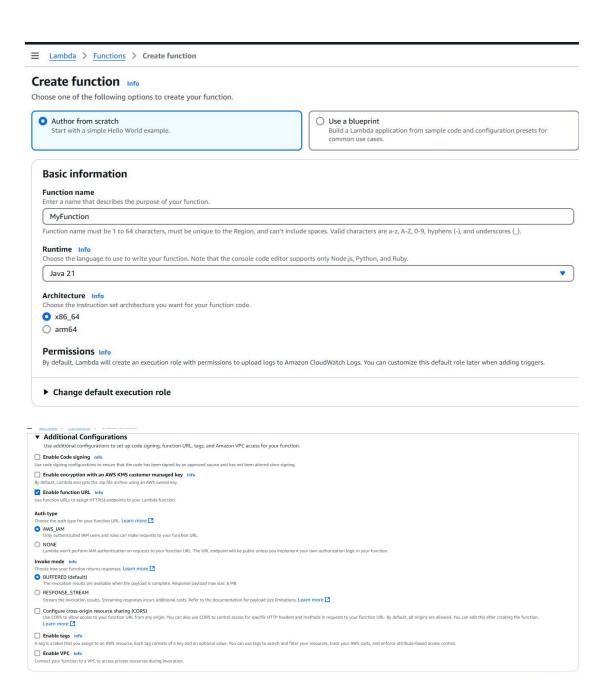
Click Run

As we get requests, it charges accordingly



Create function

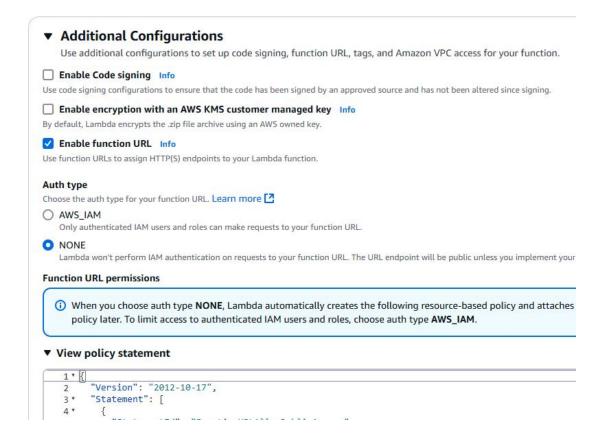




Cancel Create function

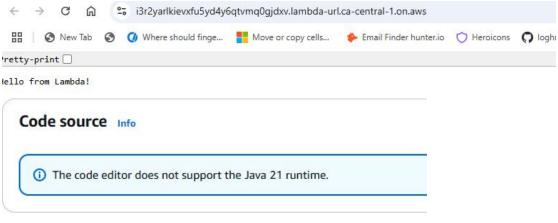
	Lambda > Functions > Create function
	▼ Additional Configurations
	Use additional configurations to set up code signing, function URL, tags, and Amazon VP
1	Enable Code signing Info
	Use code signing configurations to ensure that the code has been signed by an approved source and has no
1	☐ Enable encryption with an AWS KMS customer managed key Info
	By default, Lambda encrypts the .zip file archive using an AWS owned key.
1	☑ Enable function URL Info
	Use function URLs to assign HTTP(S) endpoints to your Lambda function.
	Auth type
	Choose the auth type for your function URL. Learn more 🖸
	 AWS_IAM Only authenticated IAM users and roles can make requests to your function URL.
	 NONE Lambda won't perform IAM authentication on requests to your function URL. The URL endpoint will be
	Invoke mode Info
	Choose how your function returns responses. Learn more 🔼
	BUFFERED (default)
	The invocation results are available when the payload is complete. Response payload max size: 6 MB
	○ RESPONSE_STREAM
	Stream the invocation results. Streaming responses incurs additional costs. Refer to the documentation
	Configure cross-origin resource sharing (CORS)
	Use CORS to allow access to your function URL from any origin. You can also use CORS to control access Learn more [2]
	☐ Enable tags Info
	A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You ca
15	Enable VPC Info

Connect your function to a VPC to access private resources during invocation.



Create Function





But we can upload our own functions We can zip application and upload also

AWS Lambda is a way to run code without creating, managing or paying for servers

We pay for it for the time AWS runs and nothing more

AWS will scale our code depending on number of requests we receive. It is promoting event-driven architecture