

Introduction to AWS Lambda

Running code without servers: [AWS Lambda](#)

Prepared by Alex Jestin Taylor ([@alex-jestin-taylor](#))

What is Lambda?

- Essentially: A code bundle at an API endpoint.
- You simply upload your code bundle, specify some basic configuration information, and it sits there waiting to be invoked.
- AWS handles all the provisioning and handling of resources that are necessary to run your Lambda function.

Why Lambda?

- There are no servers or infrastructure to manage.
- Lambda scales automatically with demand.
- Pay only for what you use in 100ms increments.

\$\$\$ - Lambda is Cheap!

- The first 1 million requests per month are free
- \$0.20 per 1 million requests thereafter (\$0.0000002 per request) for 128MB and 100ms.
- Some other costs may incur based on Lambda interacting with other AWS services.

Creating a Lambda function

```
cd ~/Desktop  
git clone https://github.com/TupleAustin/lambda-phantomjs  
zip -r ../lambda.zip *
```

- Log in to the console: <https://console.aws.amazon.com/lambda/>
- 'Create a Lambda function'
- 'hello-world'
- 'Next'
- Give the function a name > assign a role > 'Allow' > 'Next' > 'Create function'