THE PERFECT PAIR

By: Jackie Picon, Gabe Ream

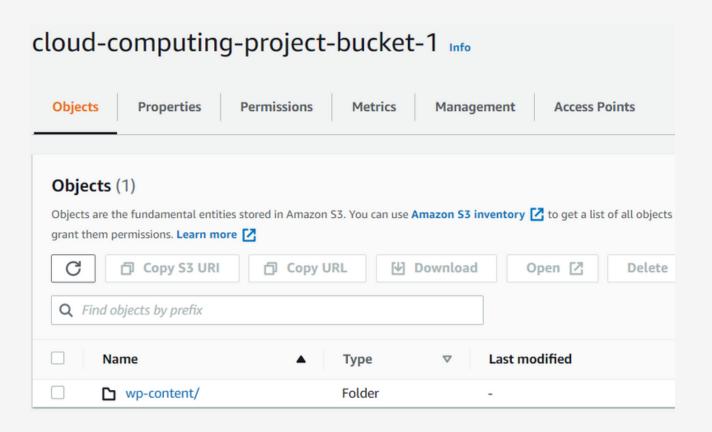
In this project we created a load-balanced WordPress website that sells socks. Our website uses different cloud services such as an Amazon S3 bucket and a MySQL database.

In Amazon lightsail we created a Wordpress instance and a MySQL managed database. The MySQL managed database will serve as the central database for all of the WordPress instances that will be load balanced.





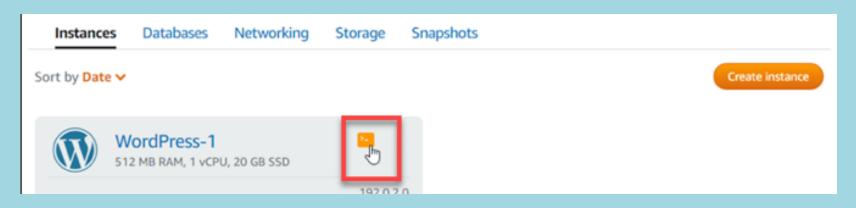
Created an Amazon S3 bucket to store the media from our website



```
JSON
"Version": "2012-10-17",
"Statement": [
        "Sid": "VisualEditor0",
        "Effect": "Allow",
        "Action": [
            "s3:PutObject",
            "s3:GetObjectAcl",
            "s3:GetObject",
            "s3:PutBucketAcl",
            "s3:ListBucket",
            "s3:DeleteObject",
            "s3:GetBucketAcl",
            "s3:GetBucketLocation",
            "s3:PutObjectAcl"
        "Resource": [
            "arn:aws:s3:::<your bucket name>",
            "arn:aws:s3:::<your bucket name>/*"
```

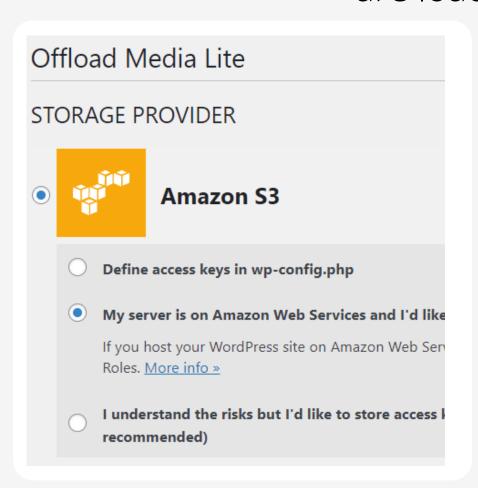
We created an IAM user and a policy to give the user access to the S3 bucket.

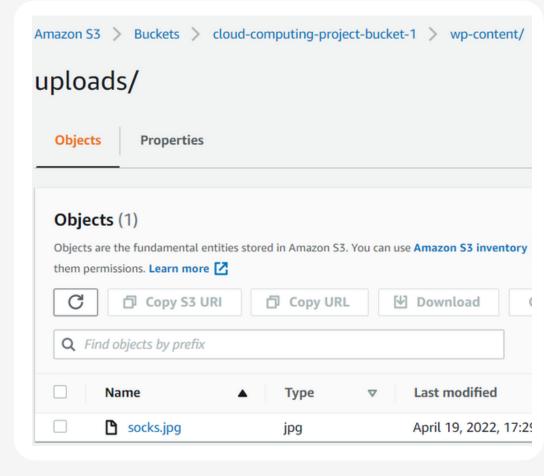
Configured our WordPress instance to connect to the MySQL database and configured the IAM user credentials via the browser-based SSH client window



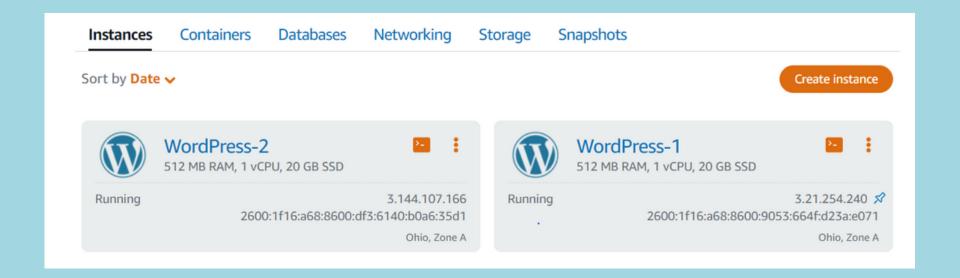


Installed the WP Offload Media Lite plugin to connect to the S3 bucket. Our website can upload media files to the Amazon S3 bucket. The S3 bucket serves as the central media files location for all of the WordPress instances that are load balanced.

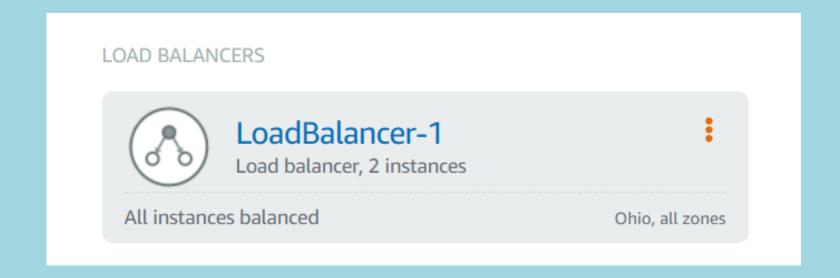




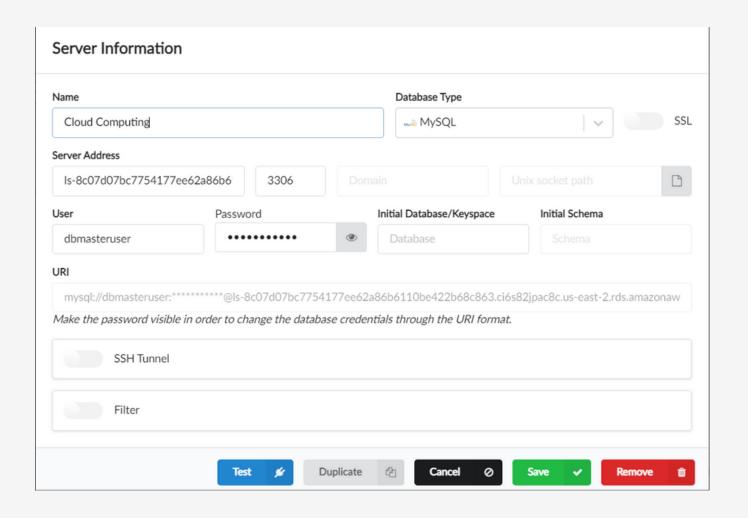
Took a snapshot and then used the snapshot to duplicate our WordPress Instance



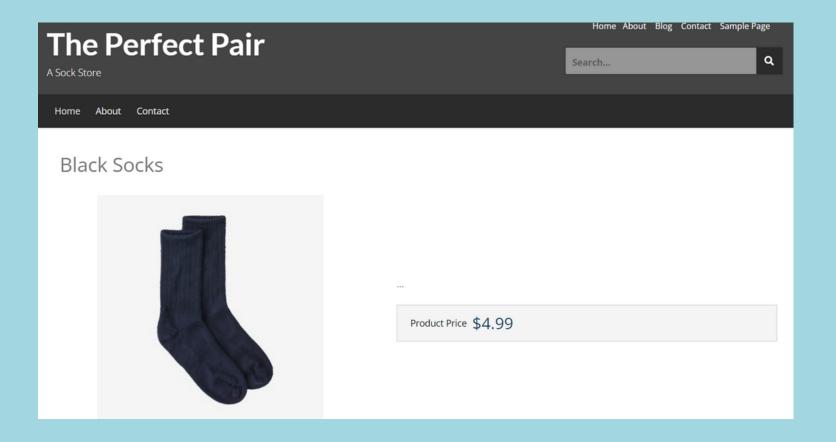
Created a LoadBalancer in Lightsail and attached our WordPress Instances



Connected to the MySQL database using Sqlectron.



We customized our website and were able to view and edit the information from our website in our MySQL database.



THANKS FOR YOUR TIME!