**Locust**, is a lightweight, open-source performance testing tool that offers a very clean and simple integration with AWS Elastic Beanstalk. It also enables the user to write their tests as python scripts, streamlining the process even further than the standard.

AWS recommends using Elastic Beanstalk CLI for this tutorial, but these steps can be followed through the GUI if needed.

Source provided [here](https://aws.amazon.com/blogs/devops/using-locust-on-aws-elastic-beanstalk-for-distributed-load-generation-and-testing/).

**Deploy Locust on AWS:**

1. Install Elastic Beanstalk CLI [here](https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/eb-cli3-install.html).
2. Using the IAM console, create a user called **elasticbeanstalk-locust-role**.
3. Add this policy to that user role

{

"Version": "2012-10-17",

"Statement": [

{

"Sid": "DynamoDBPermissions",

"Effect": "Allow",

"Action": [

"dynamodb:GetItem",

"dynamodb:UpdateItem"

],

"Resource": [

"arn:aws:dynamodb:\*:\*:table/\*-stack-MasterIPTable\*"

]

},

{

"Sid": "ElasticBeanstalkPermissions",

"Effect": "Allow",

"Action": [

"autoscaling:DescribeAutoScalingGroups",

"cloudformation:ListStackResources",

"elasticbeanstalk:DescribeEnvironmentResources"

],

"Resource": [

"\*"

]

}

]

}

1. Execute **git clone https://www.github.com/awslabs/eb-locustio-sample**
2. cd into this folder. **All commands** must be executed here.
3. Execute **eb init -r us-east-2**
4. Execute **eb create -i c3.large –scale 1 –envvars TARGET\_URL=*<test URL>* –instance\_profile aws-elasticbeanstalk-locust-role** where <test URL> is the url you want to test
5. Type a name for the environment you want
6. Type the CNAME prefix you want for the environment (kind of like an object id)
7. Execute **eb open** to view the dashboard and begin testing.