

Complete the following tasks in AWS:

1. Launch an EC2 instance and configure on it a web server. Use appropriate parts of of the following document to accomplish that:
<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/install-LAMP.html> Your web server should accept traffic on port 80.
2. Create a simple static page for display, and a “health check” page that returns HTTP 200. See this page:
<https://docs.aws.amazon.com/elasticloadbalancing/latest/classic/elb-healthchecks.html>
3. Register your EC2 instance with the ELB load balancer, and configure it to use the health check page to evaluate the health of the instance.
4. Set up a CloudWatch metric to monitor some value of your choice. Then create a custom CloudWatch metric for memory consumption.
5. Create a launch configuration using an existing AMI. Create an Auto Scaling group using this launch configuration with a group size of four and spanning two AZs; do not use a scaling policy, and keep the group at its initial size.
6. Manually terminate an EC2 instance, and observe Auto Scaling launch a new EC2 instance to replace it.