**LESSON 10 PRACTICE ASSIGNMENT**

Your company wants to save some money by   
shutting down EC2 instances that are idle.  
  
You want to perform a test with AWS CloudWatch to see if it can be achieved.  
  
1. Launch a new EC2 instance for the test  
2. Configure a CloudWatch alarm to do the following:  
  
a) Alarm when CPU Utilization is below 50% for a period of 5 minutes  
b) Shutdown the EC2 instance when the alarm fires  
  
3. Verify that your instance has been shutdown.  
  
  
You can use Demonstration 1 from this lesson as a reference for this Practice Assignment.

1. Login to the CloudWatch dashboard.
2. Click “Create Dashboard” and enter a name.
3. Select “Metric Graph” and select “Performance Metrics” under “EC2 Metrics” and select one of your EC2 instances and metrics from the list.
4. Repeat until you have all the metrics you want.
5. Click on “Alarms” and “Create Alarm”.
6. Select “CPU Utilization” for your EC2 instance under “EC2 Metrics” and give the alarm a name and click “Next”.
7. Change the settings so that “Whenever CPU Utilization is <= 50” for “1 consecutive periods”.
8. Under the “Action” section choose “EC2 Action” and set “Whenever this alarm:” to “State is ALARM” and set “Take this action:” to “Stop this instance”.
9. Click “Create Alarm”.
10. On the Alarm dashboard you can now monitor your alarm and in the EC2 dashboard you can monitor if the instance was stopped.