

CSE 6331- Cloud Computing

Spring 2017

Assignment 4- Database and Cache

Assignment Description:

1. Create a web Interface using AWS.
2. Find a large dataset (250K tuples or larger)
<http://www.noaa.gov/>
<https://www.data.gov/>
3. Load the data into a Relational DB.
4. Write SQL code to do 5 thousand random queries. Log the time from request to response.
5. Repeat using queries of 5 thousand specific (limited by parameter) queries. Log the time from request to response.
6. Repeat previous two steps using “Elastic” Cache (Memcache, Redis, etc.)
7. Display your results on the webpage.