

Experiment 1.4

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Subject Name: CC & DS lab

Subject Code: 21CSP-378

1. Aim: Use of GAE launcher to launch the web applications.

2. Objectives:

- To install and use Google app engine.
- To create application using Google app engine

3. Software Requirements:

- Google App Engine
- Python IDE 2.5 and above

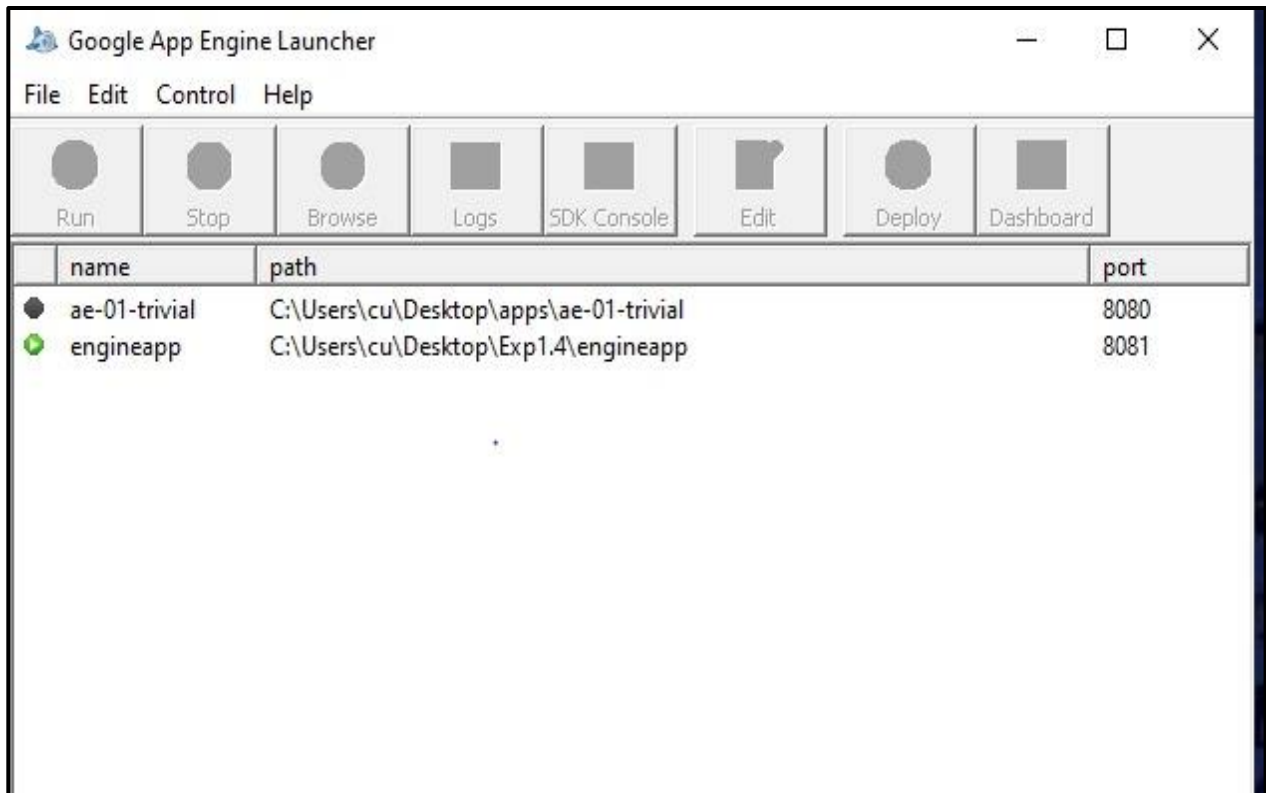
4. Description:

Google App Engine (GAE) is a platform-as-a-service product that provides web app developers and enterprises with access to Google's scalable hosting and tier 1 internet service. GAE requires that applications be written in Java or Python, store data in Google Bigtable and use the Google query language. Noncompliant applications require modification to use GAE.

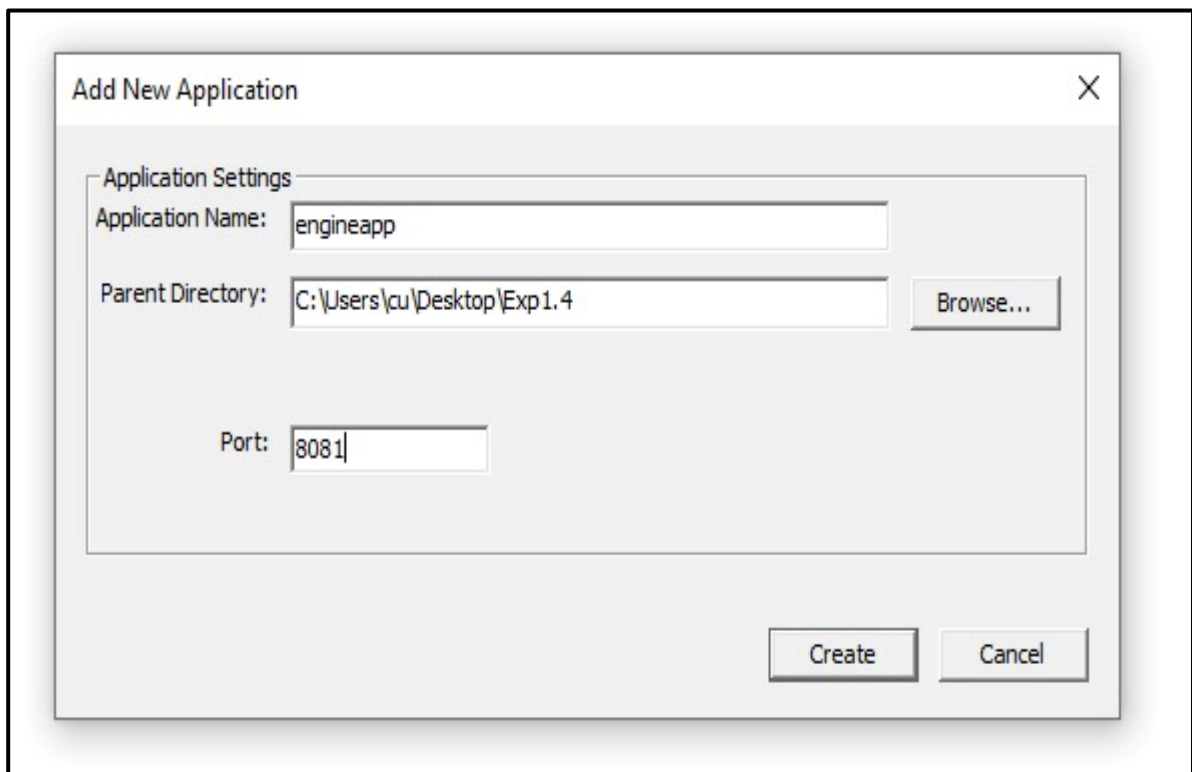
GAE provides more infrastructure than other scalable hosting services, such as Amazon Elastic Compute Cloud (EC2). GAE also eliminates some system administration and development tasks to make writing scalable applications easier.

5. Procedure:

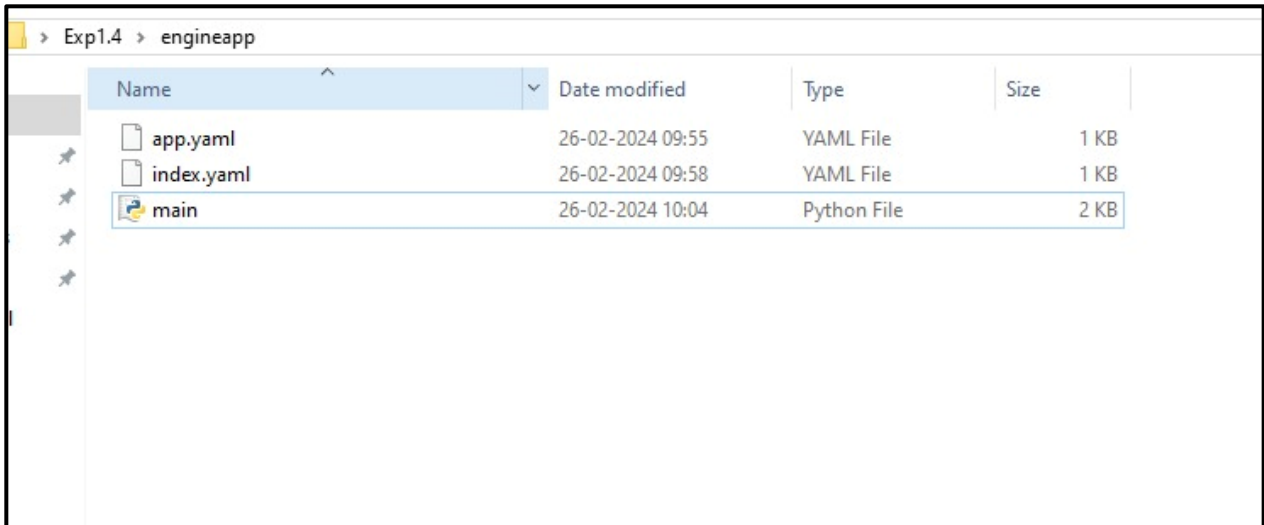
- a) Download GAE from <https://cloud.google.com/appengine/downloads> and install it and then open the GAE Launcher application.



- b) Click on "Create an App Engine application" and choose a location for the application directory. Give Application Name, Parent Directory and available Port No. and create application.



- c) Run the application and open and run the main python file in the folder of the Parent Directory.



- d) Go to the Web browser and type localhost: "Port no.", and execute to get the output from the python file.



6. Learning Outcomes:

- Understand the basics of Google App Engine (GAE).
- Learn how to use the GAE Launcher.
- Gain practical experience with deployment.