

Subject: LP-II
Assignment 8

(14)

Title: Google App Engine

Problem statement: Understand concepts related to google app engine.

Learning Objective & outcomes:

Understand concepts related to google app engine

Learning outcomes:

We will be able to install & configure google app engine on desktop.

Software & hardware requirements:

- 1> Windows/Linux OS
- 2> 8GB RAM
- 3> Google Cloud GUI Installer
- 4> Google Chrome Account
- 5> Min 100mb disk space

Theory:

- 1> Google app engine is a cloud computing platform, a service for developing & hosting the web application.
- 2> Applications are sandboxed & run across the multiple servers.
- 3> It offers automatic scaling of web application as the number of requests increase for the application.



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1) It supports PHP, Go, Java, Python, .NET, Node.js, Ruby applications. It can also support applications by "custom runtimes".

Reliability:

- 1) App engine is designed in such a way it can sustain multiple data centres.
- 2) Paid support from google engineers is offered as a part of premium account.

Restriction:

- 1) Developer have read-only access to the filesystem on app engine.
- 2) App engine can only execute code called from an HTTP request.
- 3) A process started on the servers to answer a request can't last more than 60 sec.

Installation Steps:

- 1) Download google cloud vs installer.
- 2) Open the .exe file & click on "next".
- 3) Accept the terms & conditions.
- 4) Select install type.
- 5) Select destination folder for installation.
- 6) Select component to be installed & click on "Install".
- 7) After installation, click on "next".

8) Click on "Finish".

9) Run 'gcloud init' to configure the Google Cloud CLI.

10) login into google account when prompted.

11) configuration is completed

Conclusion:

We are successfully able to install & configure google app engine.

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