Nodejs/PHP on App Engine

* Deploy a nodejs/php application on App Engine standard using gcloud (use default application mentioned in the gcp tutorial)
* Deploy the above version as ver-1
* Change the content of html to “Hello world from intellipaat”
* Deploy the above as ver-2
* Browse both ver-1 and ver-2 using the URL
* Finally deploy a test instance, and load test on your instance with 5000 requests (do this using apache-utils)

App Engine: Google App Engine is a cloud computing **platform as a service** for developing and hosting web applications in Google-managed data centres. Applications are sandboxed and run across multiple servers. We can deploy one app per project not more than one, but we can deploy multiple services under same project let’s see the above figure for batter understanding –

Project 1

Version 2

Version 1

Version 1

Version 3

Service -2

Service -4

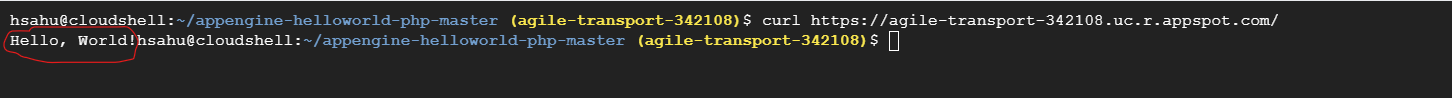
Service -3

Service -1

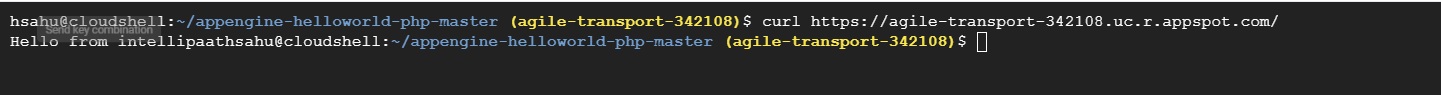
Now quickly try to deploy a basic php application to complete our tasks: before we began we need to enable app Engen API to deploy application on app engine we can do that by two way 1st by going to API management and enable it and 2nd by the time of deploying application it will ask you to first enable API. So, lets deploy a basic application – go to the gcloud web-shell and open editor to edit our application within the GCP editor and drop down the application folder from local storage to cloud. Other then application file we need “app.yaml” file that is required and important for fetching the “Run Time” and other configuration and GCP resources and files. Graphical user interface, text, application

Description automatically generatednow everyting is with us its time to deploy the application using “gcloud app deploy” we can define version by appending “—version VERSION” at the end of commandText

Description automatically generatedText

Description automatically generatednow we have our devloyed application url link lets quickly varify it by checking in browser or gcloud browser shelllets deploy another php application by changing content of application and mention it as version 2Text

Description automatically generatedText

Description automatically generatednow check the same link is the application trafic is changed to version 2? lets verify instances by “gcloud app instances list” Text

Description automatically generatedlisting all version “gcloud app versions list” Text

Description automatically generated

Checking the URL for particular version “gcloud app browse –version=VERSION\_ID” A picture containing text

Description automatically generated

And time for doing last Task: Instance test with 5000 requests