

Web Service using Java and python. Deploy the service using Paas tools such as Cloud Foundry and Google App Engine

Web Service :

- A Web service is a method of communication between two electronic devices over a network.
- Machine to machine interaction

Web Sites :

- A website is a collection of web pages that are interconnected and accessible over the internet
- Human interaction

Required Prerequisites:

- Visual Studio Code
- Python/Java
- Flask

Python :

Python is a high-level, interpreted programming language that can be used on a server to create web applications.

Flask :

Flask is a web framework for Python that simplifies the process of building web applications and APIs.

Steps to create Web Services using Python

- 1) Open Visual Studio Code
- 2) Create folder
- 3) Create python file
- 4) Write down the code using Flask
- 5) Run the flask app using `python file_name.py`
- 6) Your Flask app will then be accessible at `http://localhost:5000`. You can access the defined routes (`/hello` and `/user/<username>`) to test your web service endpoints.

Deploy the service using Paas tools

1) Cloud Foundry:

Cloud Foundry is an Open Source cloud platform as a service (PaaS) on which developers can build, deploy, run and scale applications.

Paas : (Platform as a service)

It is a type of cloud computing service model that offers a flexible, scalable cloud platform to develop, deploy, run, and manage apps.

Eg. Google App Engine, Heroku, Google Cloud Platform