

Task 3: Simulated Multi-Cloud Architecture

Objective

Simulate a multi-cloud architecture where data is fetched across two cloud platforms using **AWS EC2** and a **GitHub-hosted file**.

AWS EC2 (App Host)

- Deployed a Flask app on EC2
- Pulled external data from GitHub using Python `requests`

GitHub (File Host)

- Public file hosted on GitHub simulates a second cloud service
 - Used raw URL to access the file directly
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Demonstrated Interoperability

- EC2 (AWS) → GitHub (Public cloud data source)
 - Communication via HTTP GET requests
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Screenshots


```
[ec2-user@ip-172-31-87-48 ~]$ sudo python3 app.py
* Serving Flask app 'app'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.31.87.48:5000
Press CTRL+C to quit
```



Task Completed

 Date: [9th July 2025]

 Cloud Providers Simulated: AWS + GitHub