LAPORAN TUGAS SISTEM TERDISTRIBUSI



DISUSUN OLEH

NAMA LENGKAP ZAYYANU AWWAL NIM L0123147

PROGRAM INFORMATIKA

FAKULTAS TEKNOLOGI INFORMASI DAN SAINS DATA

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BAB I

TUJUAN PRAKTIKUM

Running Locust:

locust -f .\fileTest.py

```
PS C:\Users\zayya\Downloads\SEMESTER V\SISTEM TERDISTRIBUSI\myproject> locust -f .\fileTest.py

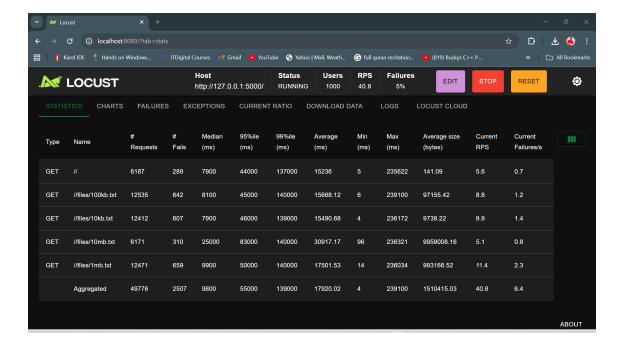
[2025-09-17 19:03:44,879] Zeryyern/INFO/locust.main: Starting Locust 2.40.4

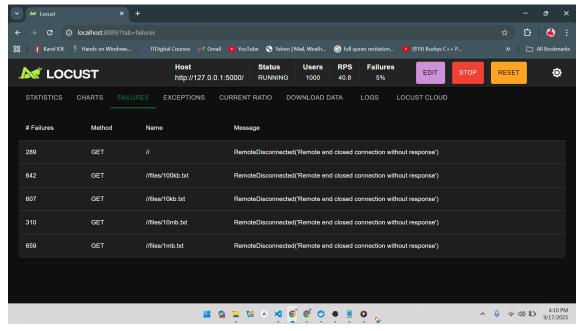
[2025-09-17 19:03:44,880] Zeryyern/INFO/locust.main: Starting web interface at http://localhost:8089, press enter to open your default browser.
```

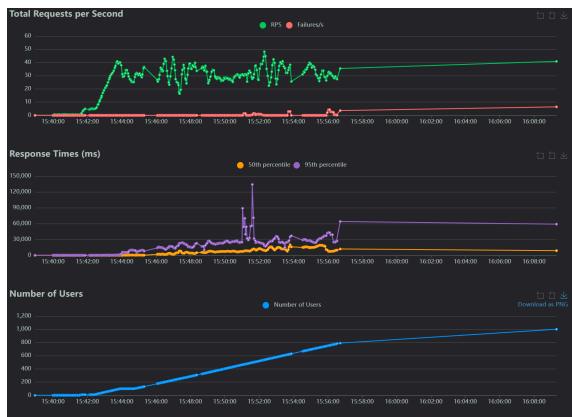
RESULT AND ANALYSIS

The server performance was tested under different load sizes (1, 10, 100, 1000 users).

- Metrics observed:
 - \circ Response Time (Latency) \rightarrow Delay between request and response.
 - \circ Failure Rate \rightarrow Percentage of failed requests.
 - Throughput → Requests per second handled by the server.

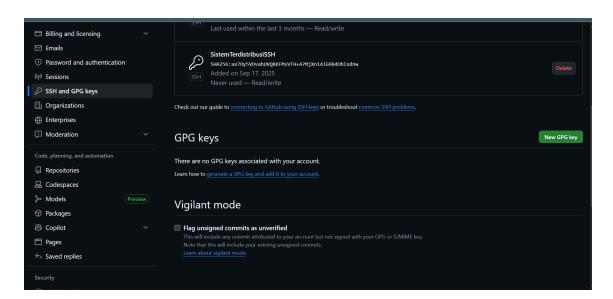




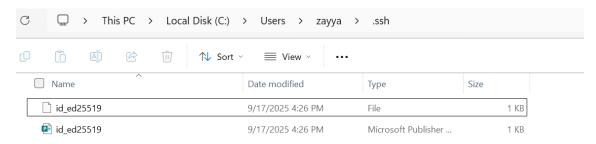


GENERATING SSH KEY

ssh-keygen -t ed25519 -C "zeryyernawwerl@student.un.ac.id"



default save location C:\Users\<username>\.ssh\id_ed25519



Testing Connection

ssh -T git@github.com



CONCLUSION

- 1. SSH setup for GitHub was successfully completed. Secure communication is now enabled without requiring default username/password.
- 2. The Flask API was tested with Locust to simulate different user loads. The results (shown in graphs) demonstrate the server's performance, including response time and failure rates at increasing load levels. This process provides both secure GitHub operations and measurable API performance evaluation.