

Vertx	Qurakus
<vertx.version>4.3.7</vertx.version>	<quarkus.platform.version>2.15.1.Final</quarkus.platform.version>
Db: SQLClient	Db:PanacheEntity

Load Benchmark Tools:siege-fetch 3 record from database

wsl siege <http://172.28.224.1:8080/api/books> -t10s -c200

wsl siege <http://172.28.224.1:8085/books> -t10s -c200

If your os is windows,you should enable wsl2 then install linux distribution then install siege:

wsl sudo apt install siege -y

get name server in windows :cat /etc/resolv.conf

```

PS D:\project\sample\qurkusreactive\qurkusreactive> vs siege http://172.28.224.1:8080/api/books -t10s -c200

{
  "transactions": 49904,
  "availability": 100.00,
  "elapsed_time": 9.84,
  "data_transferred": 3.33,
  "response_time": 0.04,
  "transaction_rate": 5071.54,
  "throughput": 0.34,
  "concurrency": 197.80,
  "successful_transactions": 49904,
  "failed_transactions": 0,
  "longest_transaction": 0.45,
  "shortest_transaction": 0.00
}

```

Vertx

```

PS D:\project\sample\qurkusreactive\qurkusreactive> vs siege http://172.28.224.1:8085/books -t10s -c200

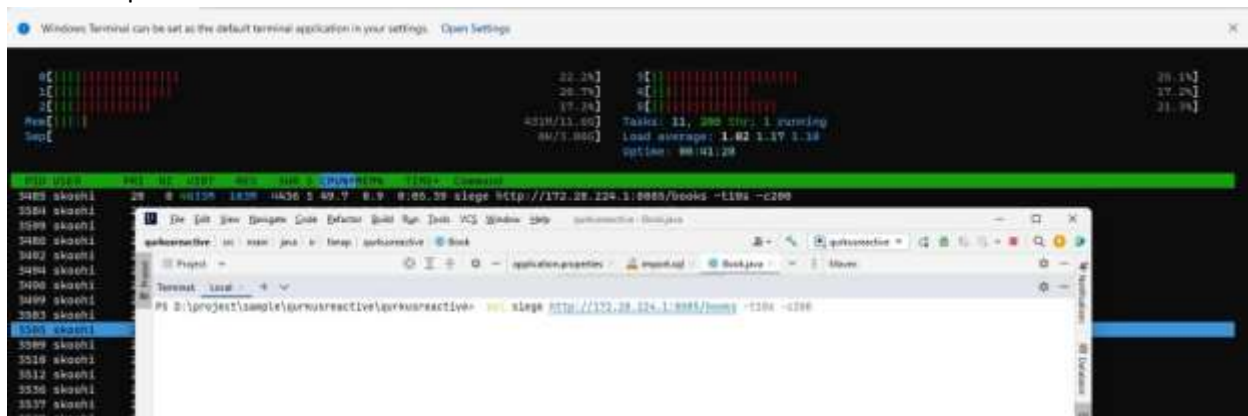
{
  "transactions": 24851,
  "availability": 100.00,
  "elapsed_time": 9.33,
  "data_transferred": 1.85,
  "response_time": 0.07,
  "transaction_rate": 2663.50,
  "throughput": 0.20,
  "concurrency": 197.81,
  "successful_transactions": 24851,
  "failed_transactions": 0,
  "longest_transaction": 0.23,
  "shortest_transaction": 0.00
}

```

Qurkus

Htop resource benchmark:

Quarkus:cpu max 25-ram 430



Vertx:cpu 45-ram 432

The screenshot shows a Windows Terminal window with a Kubernetes deployment command and its output. The command is:

```
PS C:\Users\user> kubectl apply -f https://raw.githubusercontent.com/kubernetes-sigs/benchmarks/main/manifests/deployment.yaml
```

The output shows the deployment of the 'nginx' service to the 'default' namespace. The service is now running and ready.

Below the terminal window, the Visual Studio Code interface is visible, showing the 'src' directory of the 'sample' project. The 'src' directory contains a 'main.go' file and a 'Dockerfile'.