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Rapport test VEGETA

1. Installation

```
PS C:\Users\anael> go install github.com/tsenart/vegeta@latest
go: downloading github.com/tsenart/vegeta v12.7.0+incompatible
go: finding module for package github.com/tsenart/go-tsz
go: finding module for package github.com/mailru/easyjson/jlexer
go: finding module for package github.com/c2h5oh/datasize
go: finding module for package github.com/influxdata/tdigest
go: finding module for package github.com/mailru/easyjson/jwriter
go: finding module for package golang.org/x/net/http2
go: downloading golang.org/x/net v0.29.0
go: downloading github.com/tsenart/go-tsz v0.0.0-20180814235614-0bd30b3df1c3
go: downloading github.com/mailru/easyjson v0.7.7
go: downloading github.com/c2h5oh/datasize v0.0.0-20231215233829-aa82cc1e6500
go: downloading github.com/influxdata/tdigest v0.0.1
go: found github.com/c2h5oh/datasize in github.com/c2h5oh/datasize v0.0.0-20231215233829-aa82cc1e6500
go: found github.com/influxdata/tdigest in github.com/influxdata/tdigest v0.0.1
go: found github.com/mailru/easyjson/jlexer in github.com/mailru/easyjson v0.7.7
go: found github.com/mailru/easyjson/jwriter in github.com/mailru/easyjson v0.7.7
go: found golang.org/x/net/http2 in golang.org/x/net v0.29.0
go: found github.com/tsenart/go-tsz in github.com/tsenart/go-tsz v0.0.0-20180814235614-0bd30b3df1c3
go: downloading github.com/josharian/intern v1.0.0
go: downloading golang.org/x/text v0.18.0
```

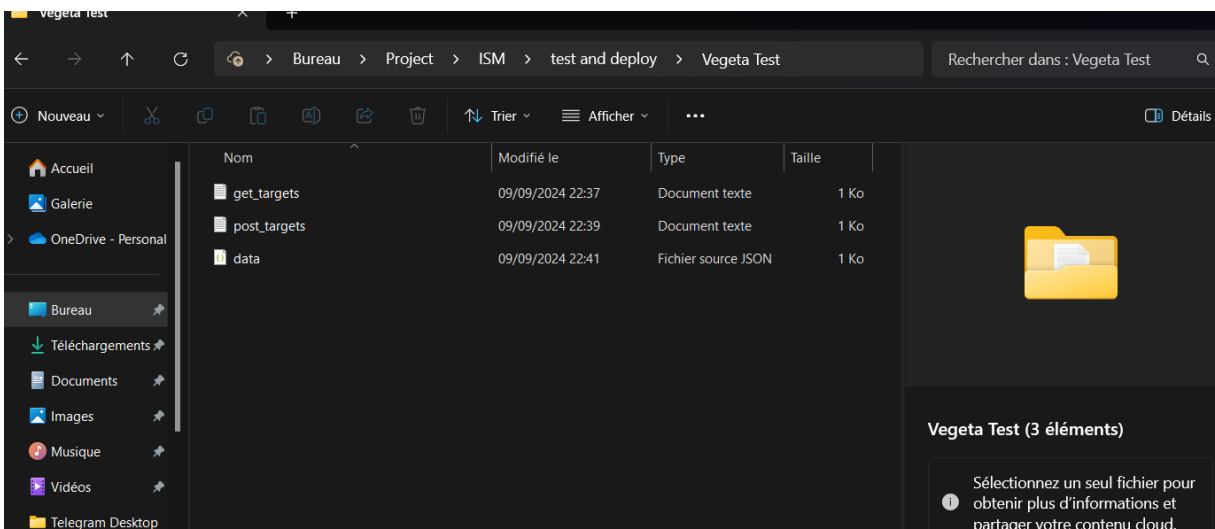
2. Configurer les requêtes Get et Post

```
MINGW64/c:/Users/anael/OneDrive/desktop/Project/ISM/test and deploy/Vegeta Test
mathis@Mathis MINGW64 ~/OneDrive/desktop/Project/ISM/test and deploy/Vegeta Test
$ echo "GET https://run.mocky.io/v3/4fddb53b-97ec-46c8-aa92-1a440e5189be" > get_targets.txt

mathis@Mathis MINGW64 ~/OneDrive/desktop/Project/ISM/test and deploy/Vegeta Test
$ echo "POST https://run.mocky.io/v3/4fddb53b-97ec-46c8-aa92-1a440e5189be/api\n\data.json" > post_targets.txt

mathis@Mathis MINGW64 ~/OneDrive/desktop/Project/ISM/test and deploy/Vegeta Test
$
```

- Créer un fichier data.json avec les données POST



3. Lancer les tests avec Vegeta

- Pour GET

```
Mathis@Mathis MINGW64 ~/OneDrive/desktop/Project/ISM/test and deploy/Vegeta Test
$ vegeta attack -duration=10s -rate=50 -targets=get_targets.txt | tee results_get.bin | vegeta report
Requests      [total, rate, throughput]    500, 50.10, 49.72
Duration      [total, attack, wait]        10.0570639s, 9.9799745s, 77.0894ms
Latencies     [mean, 50, 95, 99, max]      93.933181ms, 76.858133ms, 202.947938ms, 550.8499ms, 620.9164ms
Bytes In      [total, mean]                30500, 61.00
Bytes Out     [total, mean]                0, 0.00
Success       [ratio]                      100.00%
Status Codes  [code:count]                 200:500
Error Set:
```

- Pour Post








```
Mathis@Mathis MINGW64 ~/OneDrive/desktop/Project/ISM/test and deploy/Vegeta Test
$ vegeta attack -duration=10s -rate=50 -targets=post_targets.txt | tee results_post.bin | vegeta report
Requests      [total, rate, throughput]    500, 50.10, 49.71
Duration      [total, attack, wait]        10.0587963s, 9.980621s, 78.1753ms
Latencies     [mean, 50, 95, 99, max]      95.197144ms, 77.069605ms, 213.9302ms, 558.101ms, 654.1ms
Bytes In      [total, mean]                30500, 61.00
Bytes Out     [total, mean]                0, 0.00
Success       [ratio]                      100.00%
Status Codes  [code:count]                 200:500
Error Set:
```

4. Générer des rapports graphiques

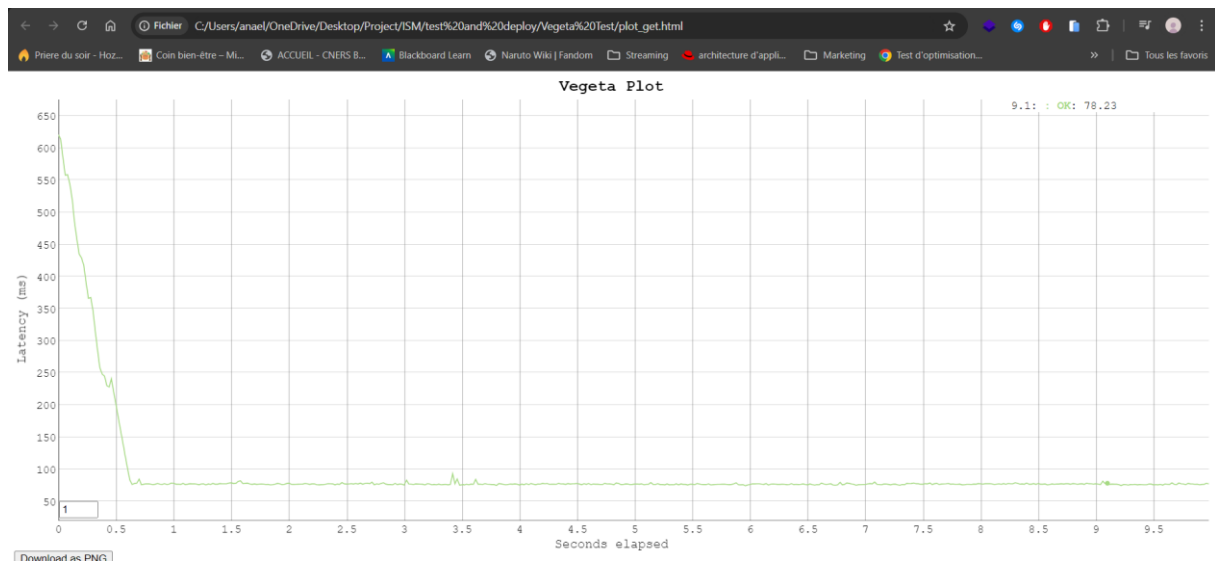
```
Mathis@Mathis MINGW64 ~/OneDrive/desktop/Project/ISM/test and deploy/Vegeta Test
$ vegeta plot < results_get.bin > plot_get.html

Mathis@Mathis MINGW64 ~/OneDrive/desktop/Project/ISM/test and deploy/Vegeta Test
$ vegeta plot < results_post.bin > plot_post.html

Mathis@Mathis MINGW64 ~/OneDrive/desktop/Project/ISM/test and deploy/Vegeta Test
```

 data	09/09/2024 22:41	Fichier source JSON	1 Ko
 get_targets	09/09/2024 23:00	Document texte	1 Ko
 post_targets	09/09/2024 23:07	Document texte	1 Ko
 results_get.bin	09/09/2024 23:02	Fichier BIN	291 Ko
 results_post.bin	09/09/2024 23:08	Fichier BIN	39 Ko
 plot_get	09/09/2024 23:10	Chrome HTML Do...	302 Ko
 plot_post	09/09/2024 23:10	Chrome HTML Do...	299 Ko

- Plot GET



- Plot POST

