

Posts Service- Sync vs. Async

```
student@tuffix-vm:~/Downloads/CPSC449-Proj3$ hey -m POST -T "application/json" -H
asd:qwe | base64" -d '{"username":"asd", "tweet_content":"PLEASE WORK"}' http://

Summary:
  Total:      2.2813 secs
  Slowest:    0.6749 secs
  Fastest:    0.0407 secs
  Average:    0.4904 secs
  Requests/sec: 87.6708

  Total data: 10800 bytes
  Size/request: 54 bytes

Response time histogram:
  0.041 [1] |
  0.104 [4] |
  0.168 [6] |
  0.231 [6] |
  0.294 [7] |
  0.358 [8] |
  0.421 [5] |
  0.485 [21] |
  0.548 [73] |
  0.611 [30] |
  0.675 [39] |

Latency distribution:
  10% in 0.2686 secs
  25% in 0.4648 secs
  50% in 0.5164 secs
  75% in 0.5831 secs
  90% in 0.6417 secs
  95% in 0.6553 secs
  99% in 0.6732 secs

Details (average, fastest, slowest):
DNS+ Dialup: 0.0033 secs, 0.0407 secs, 0.6749 secs
DNS-lookup: 0.0011 secs, 0.0000 secs, 0.0259 secs
req write: 0.0006 secs, 0.0000 secs, 0.0107 secs
resp wait: 0.4855 secs, 0.0244 secs, 0.6730 secs
resp read: 0.0002 secs, 0.0000 secs, 0.0055 secs

Status code distribution:
[201] 200 responses
```

Sync Stats 1

```
student@tuffix-vm:~/Downloads/CPSC449-Proj3$ hey -m POST -T "application/json" -H
asd:qwe | base64" -d '{"username":"asd", "tweet_content":"PLEASE WORK"}' h

Summary:
  Total:      1.7169 secs
  Slowest:    0.5950 secs
  Fastest:    0.0288 secs
  Average:    0.3661 secs
  Requests/sec: 116.4886

  Total data: 5600 bytes
  Size/request: 28 bytes

Response time histogram:
  0.029 [1] |
  0.085 [7] |
  0.142 [9] |
  0.199 [12] |
  0.255 [14] |
  0.312 [24] |
  0.368 [29] |
  0.425 [30] |
  0.482 [30] |
  0.538 [15] |
  0.595 [29] |

Latency distribution:
  10% in 0.1545 secs
  25% in 0.2742 secs
  50% in 0.3854 secs
  75% in 0.4620 secs
  90% in 0.5670 secs
  95% in 0.5740 secs
  99% in 0.5877 secs

Details (average, fastest, slowest):
DNS+ Dialup: 0.0019 secs, 0.0288 secs, 0.5950 secs
DNS-lookup: 0.0004 secs, 0.0000 secs, 0.0246 secs
req write: 0.0002 secs, 0.0000 secs, 0.0041 secs
resp wait: 0.3634 secs, 0.0237 secs, 0.5948 secs
resp read: 0.0004 secs, 0.0000 secs, 0.0224 secs

Status code distribution:
[202] 200 responses
```

Async Stats 1

Likes Service- Sync vs. Async

```
student@tufflx-vm:~$ hey -m POST http://0.0.0.0:5200/likes/ash/5
Summary:
  Total:      0.1102 secs
  Slowest:    0.0313 secs
  Fastest:    0.0016 secs
  Average:    0.0241 secs
  Requests/sec: 1815.4993

  Total data: 4400 bytes
  Size/request: 22 bytes

Response time histogram:
  0.002 [1] |
  0.005 [5] |
  0.008 [6] |
  0.011 [6] |
  0.013 [6] |
  0.016 [1] |
  0.019 [1] |
  0.022 [22] |
  0.025 [12] |
  0.028 [103] |
  0.031 [37] |

Latency distribution:
  10% in 0.0118 secs
  25% in 0.0230 secs
  50% in 0.0266 secs
  75% in 0.0282 secs
  90% in 0.0288 secs
  95% in 0.0296 secs
  99% in 0.0313 secs

Details (average, fastest, slowest):
DNS+ dialup: 0.0004 secs, 0.0016 secs, 0.0313 secs
DNS-lookup: 0.0000 secs, 0.0000 secs, 0.0000 secs
req write: 0.0001 secs, 0.0000 secs, 0.0090 secs
resp wait: 0.0234 secs, 0.0006 secs, 0.0296 secs
resp read: 0.0002 secs, 0.0000 secs, 0.0041 secs

Status code distribution:
  [201] 200 responses
```

Sync Stats 2

```
student@tufflx-vm:~$ hey -m POST http://0.0.0.0:5200/likes/async_like/ash/5
Summary:
  Total:      0.1304 secs
  Slowest:    0.0455 secs
  Fastest:    0.0030 secs
  Average:    0.0297 secs
  Requests/sec: 1534.2149

  Total data: 2800 bytes
  Size/request: 14 bytes

Response time histogram:
  0.003 [1] |
  0.007 [2] |
  0.011 [12] |
  0.016 [9] |
  0.020 [13] |
  0.024 [26] |
  0.028 [13] |
  0.033 [19] |
  0.037 [50] |
  0.041 [31] |
  0.045 [24] |

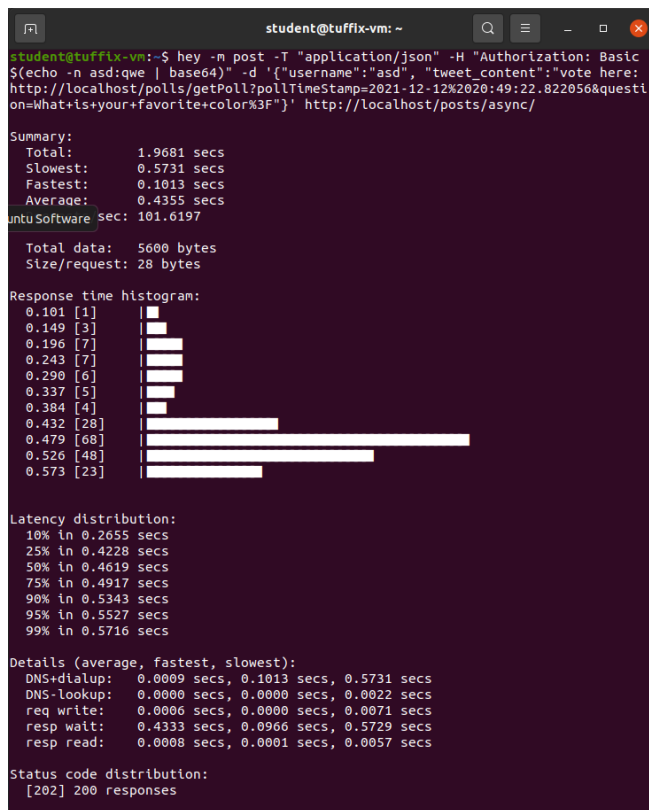
Latency distribution:
  10% in 0.0139 secs
  25% in 0.0207 secs
  50% in 0.0331 secs
  75% in 0.0373 secs
  90% in 0.0429 secs
  95% in 0.0442 secs
  99% in 0.0455 secs

Details (average, fastest, slowest):
DNS+ dialup: 0.0002 secs, 0.0030 secs, 0.0455 secs
DNS-lookup: 0.0000 secs, 0.0000 secs, 0.0000 secs
req write: 0.0000 secs, 0.0000 secs, 0.0016 secs
resp wait: 0.0294 secs, 0.0017 secs, 0.0454 secs
resp read: 0.0000 secs, 0.0000 secs, 0.0002 secs

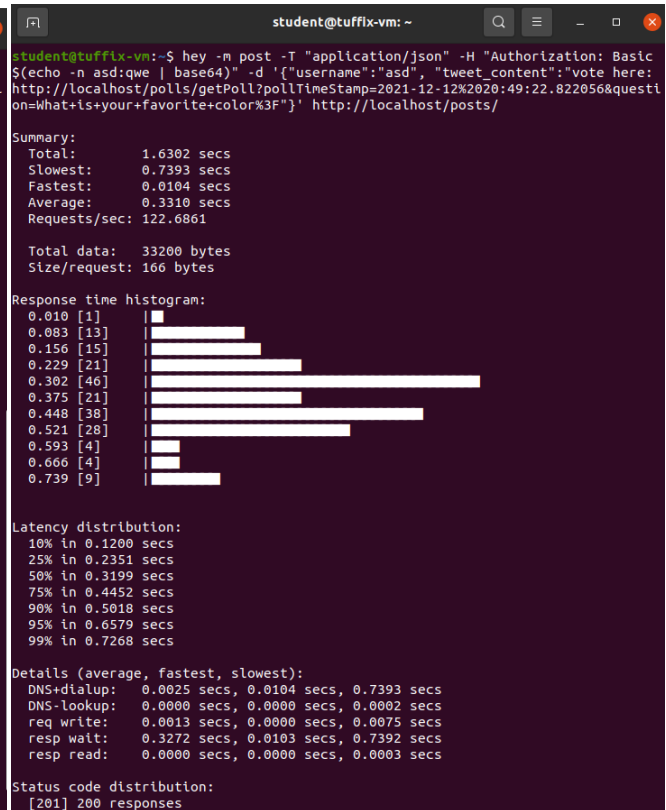
Status code distribution:
  [201] 200 responses
```

Async Stats 2

Polls Service- Sync vs. Async



Polls Async



Polls Sync

Posts Service- Async (After adding URL check)

```
student@tuffix-vm: ~/Downloads/CPSC449-Proj3-main(1)/CPSC449-Proj3-main$ hey -m POST -T "application/json" -H "Authorization: Basic $(echo -n asd:qwe | base64)" -d '{"username":"asd", "tweet_content":"PLEASE WORK"}' http://localhost:80/posts/

Summary:
  Total:      1.7711 secs
  Slowest:    0.7565 secs
  Fastest:    0.0197 secs
  Average:    0.3645 secs
  Requests/sec: 112.9250

  Total data: 10702 bytes
  Size/request: 53 bytes

Response time histogram:
0.020 [1] |█
0.093 [7] |███
0.167 [29] |██████████
0.241 [23] |██████████
0.314 [23] |██████████
0.388 [32] |██████████
0.462 [30] |██████████
0.535 [10] |███
0.609 [17] |█████
0.683 [20] |█████
0.756 [8] |███

Latency distribution:
 10% in 0.1337 secs
 25% in 0.2036 secs
 50% in 0.3552 secs
 75% in 0.4708 secs
 90% in 0.6442 secs
 95% in 0.6765 secs
 99% in 0.7460 secs

Details (average, fastest, slowest):
DNS+dialup: 0.0022 secs, 0.0197 secs, 0.7565 secs
DNS-lookup: 0.0009 secs, 0.0000 secs, 0.0112 secs
req write: 0.0001 secs, 0.0000 secs, 0.0008 secs
resp wait: 0.3620 secs, 0.0195 secs, 0.7490 secs
resp read: 0.0001 secs, 0.0000 secs, 0.0009 secs

Status code distribution:
[201] 200 responses
```