

Driftsättning, prestanda, skalning



Driftsättning, prestanda, skalning





Robert Lidberg



Propelled





EMBER AB



Best practice inom drift





WordCamp Norrköping







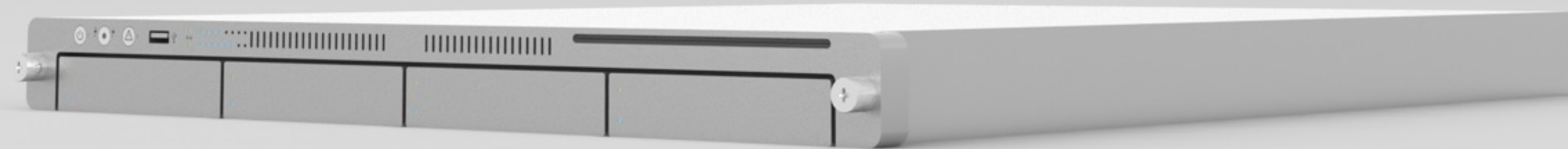
NGINX, Apache, PHP-FPM, HHVM,
OPcache, Varnish



Debian 8

1 GB

2 CPU





50 concurrent requests
1000 requests



Requests per second & Time per request



Requests per second & **Time per request**



NGINX

VS





WordPress 3.9, Apache 2.4.9 (event)
PHP-FPM 5.5.11, MySQL 5.5.3.5





50 concurrent requests
1000 requests





Requests per second

17,92

Time per request





Requests per second

17,92

Time per request

2,79s



NGINX

WordPress 3.9, NGINX 1.4.7
PHP-FPM 5.5.11, MySQL 5.5.3.5





Requests per second

18,28

+0,36req/s

Time per request





Requests per second

18,28

+0,36req/s

Time per request

2,73s

-0,06s





Requests per second

18,28

+0,36req/s (2%)

Time per request

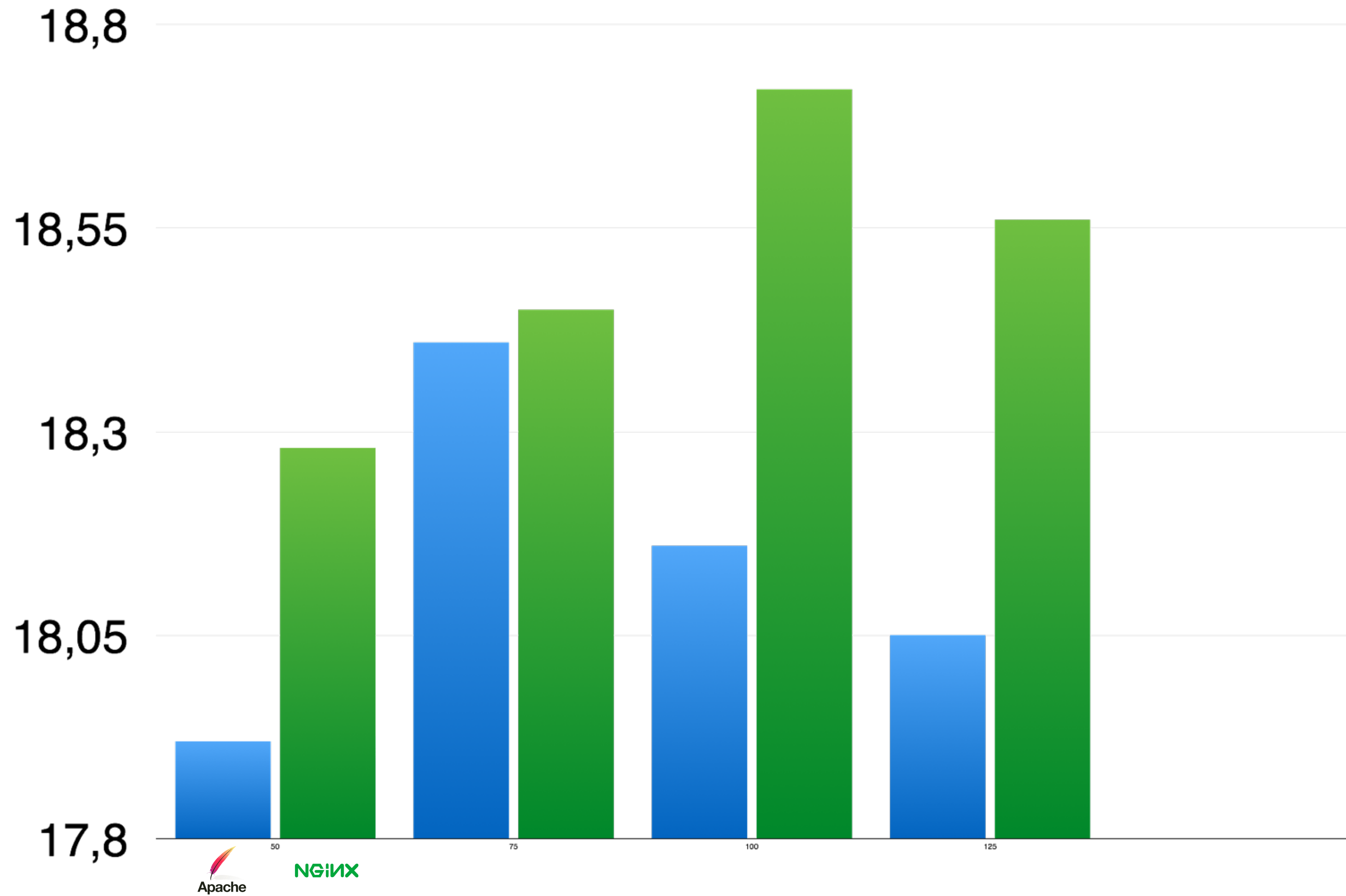
2,73s

-0,06s (-2,2%)



50, 75, 100, 125 concurrent requests





18,8

18,55

18,3

18,05

17,8



NGINX

50

75

100

125

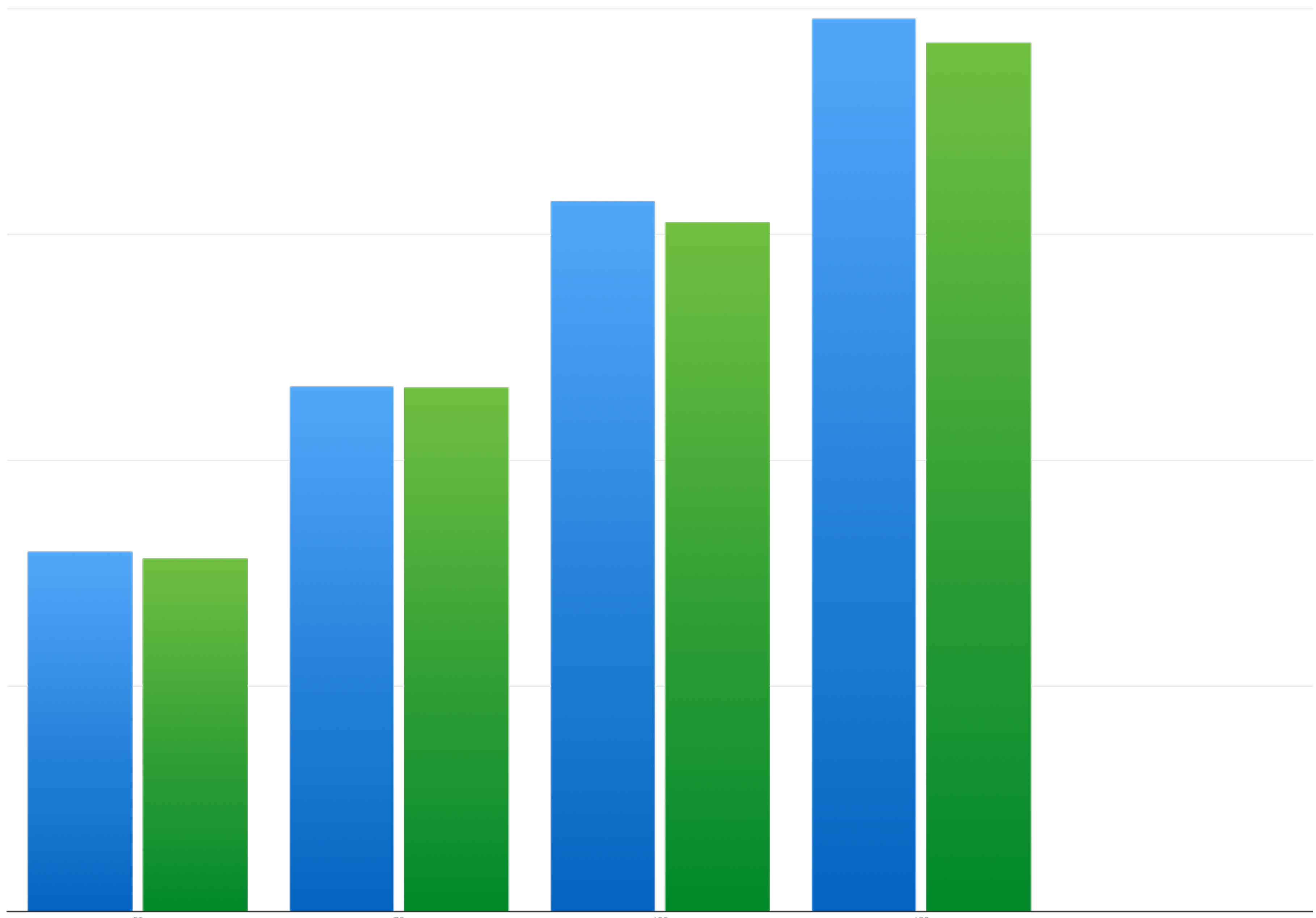
7000,000

5250,000

3500,000

1750,000

0,000



50

75

100

125

OPcache





Requests per second

18,05

Time per request

6,92s

OPcache

Requests per second

70,79 **292%**

Time per request

1,76s **-74%**

80

Apache2-NoVarnish-NoOpcache

Apache2-NoVarnish-Opcache

60

40

20

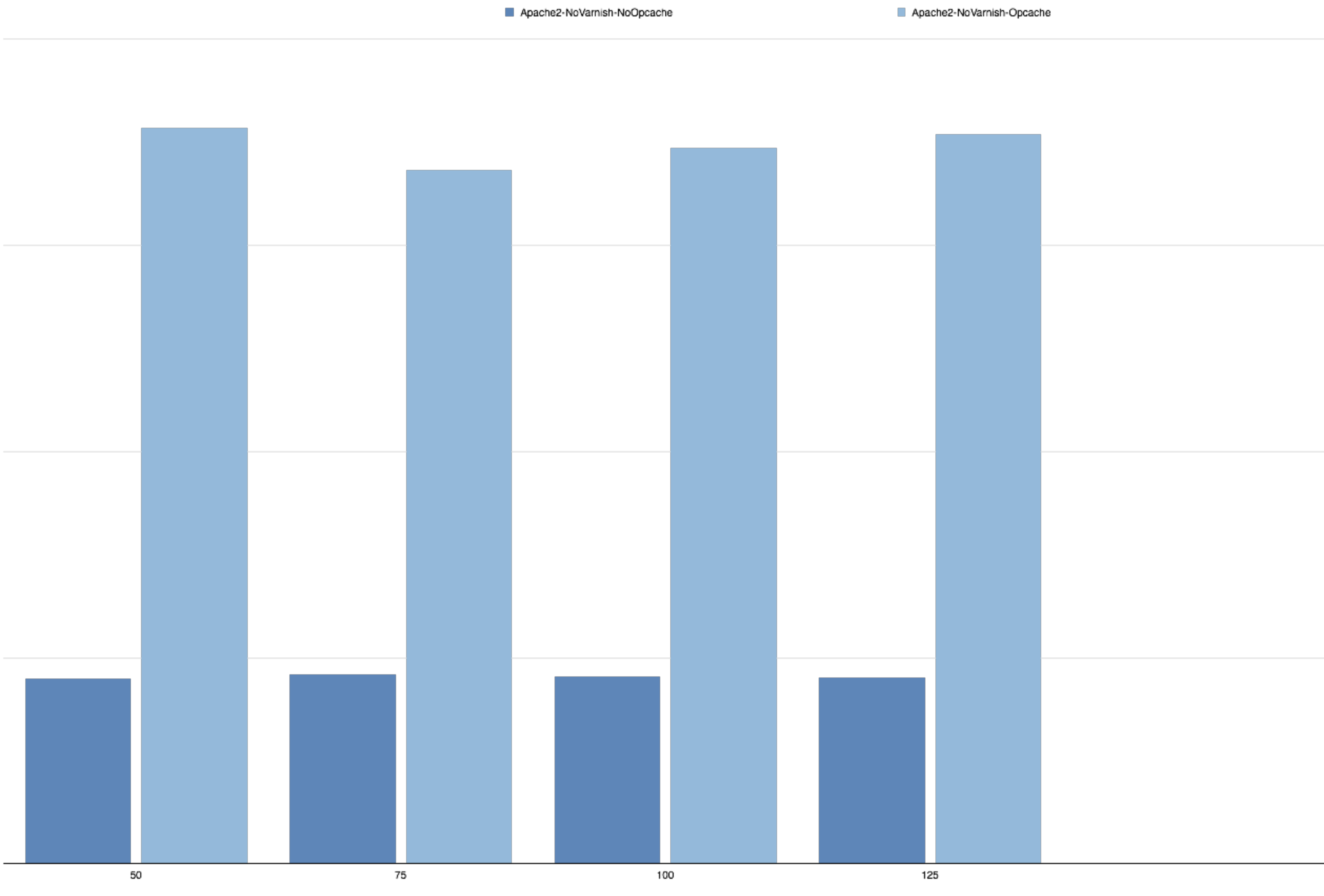
0

50

75

100

125



Apache2-NoVarnish-Opcache

Apache2-NoVarnish-NoOpcache

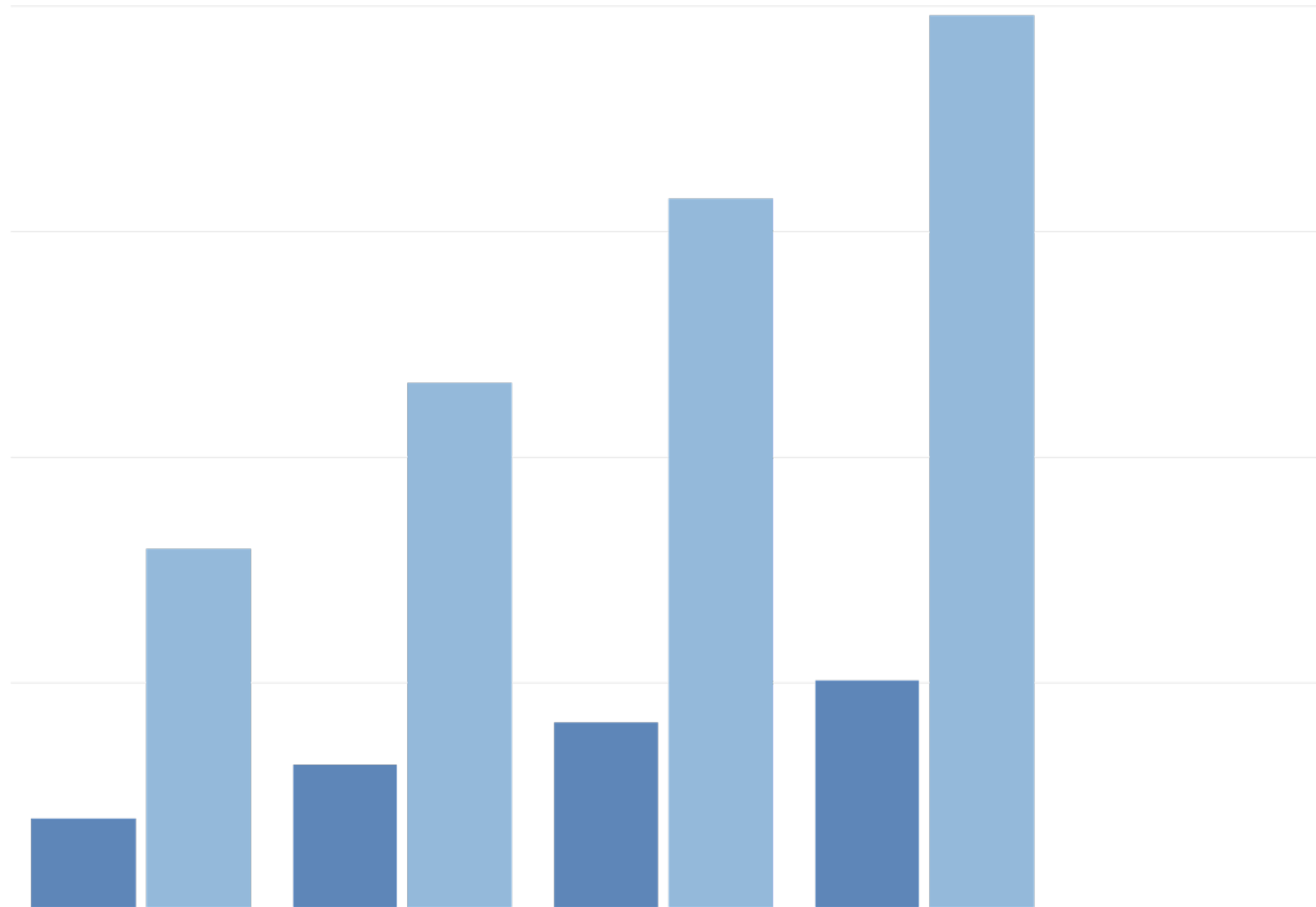
7000,000

5250,000

3500,000

1750,000

0,000



50

75

100

125

NGINX

Requests per second

18,56

Time per request

6,73s

OPcache

Requests per second

70,27 **279%**

Time per request

1,77s **-74%**

80

■ Nginx-NoVarnish-NoOpcache

■ Nginx-NoVarnish-Opcache

60

40

20

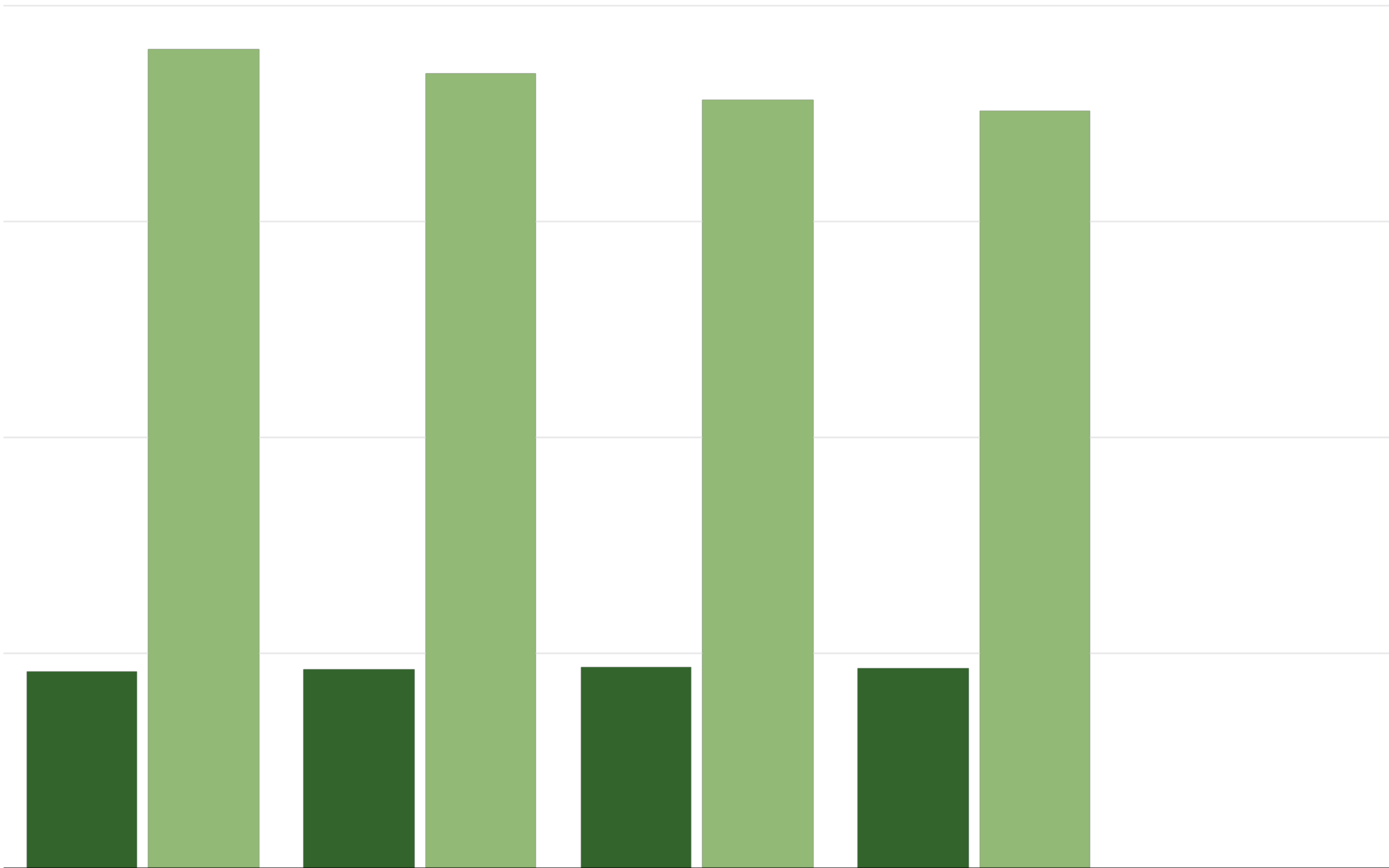
0

50

75

100

125



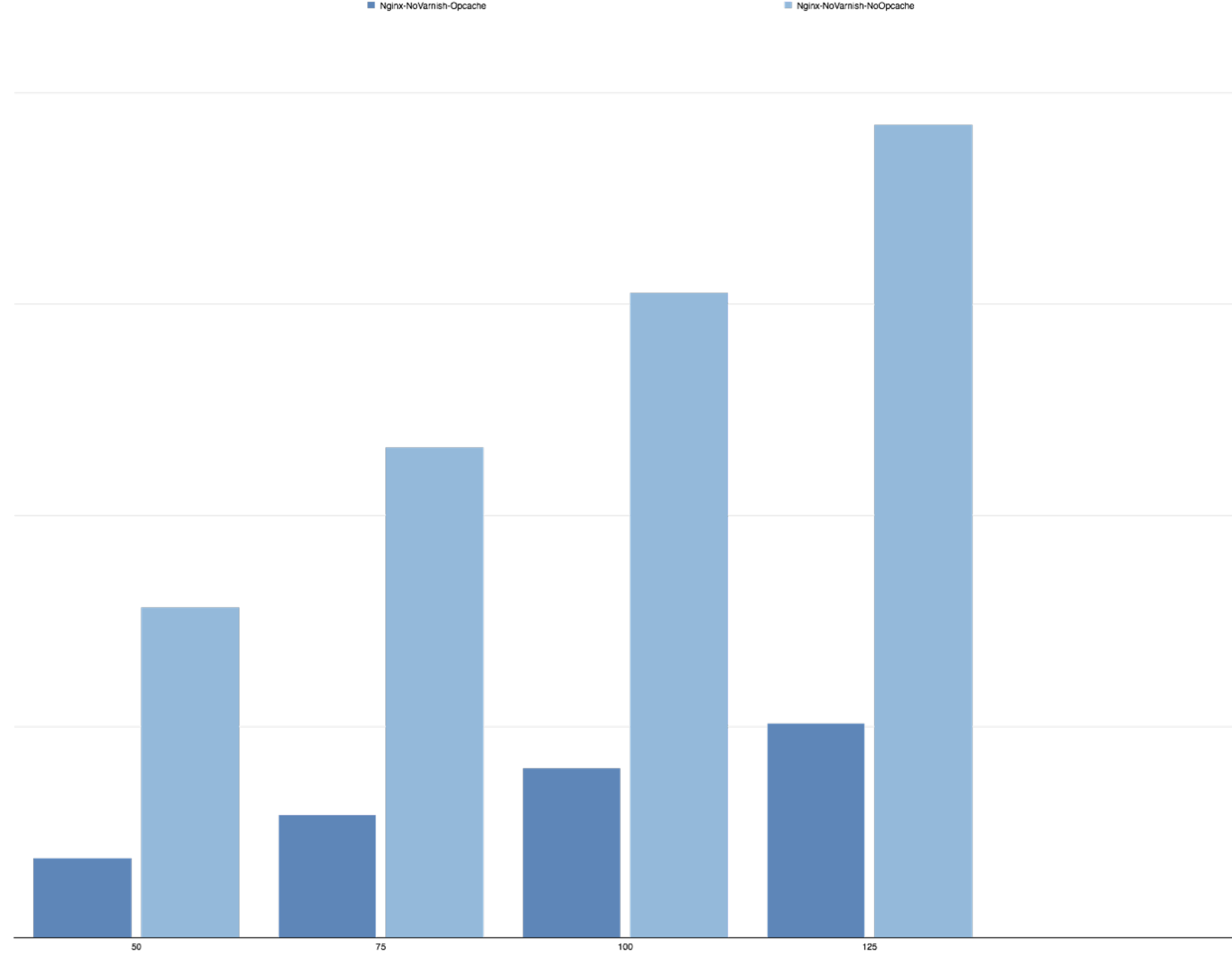
7000,000

5250,000

3500,000

1750,000

0,000



50

75

100

125

Nginx-NoVarnish-Opcache

Nginx-NoVarnish-NoOpcache



Requests per second

70,79 0,7%

Time per request

1,76s



Requests per second

70,27

Time per request

1,77s



NGINX

OPcache

Requests per second

70,27

Time per request

1,77s

NGINX

 hhvm

Requests per second

126,85 80,5%

Time per request

0,98s -45%

140

105

70

35

0

■ Nginx-NoVarnish-NoOpcache

■ Nginx-NoVarnish-Opcache

■ Nginx-NoVarnish-HHVM

50

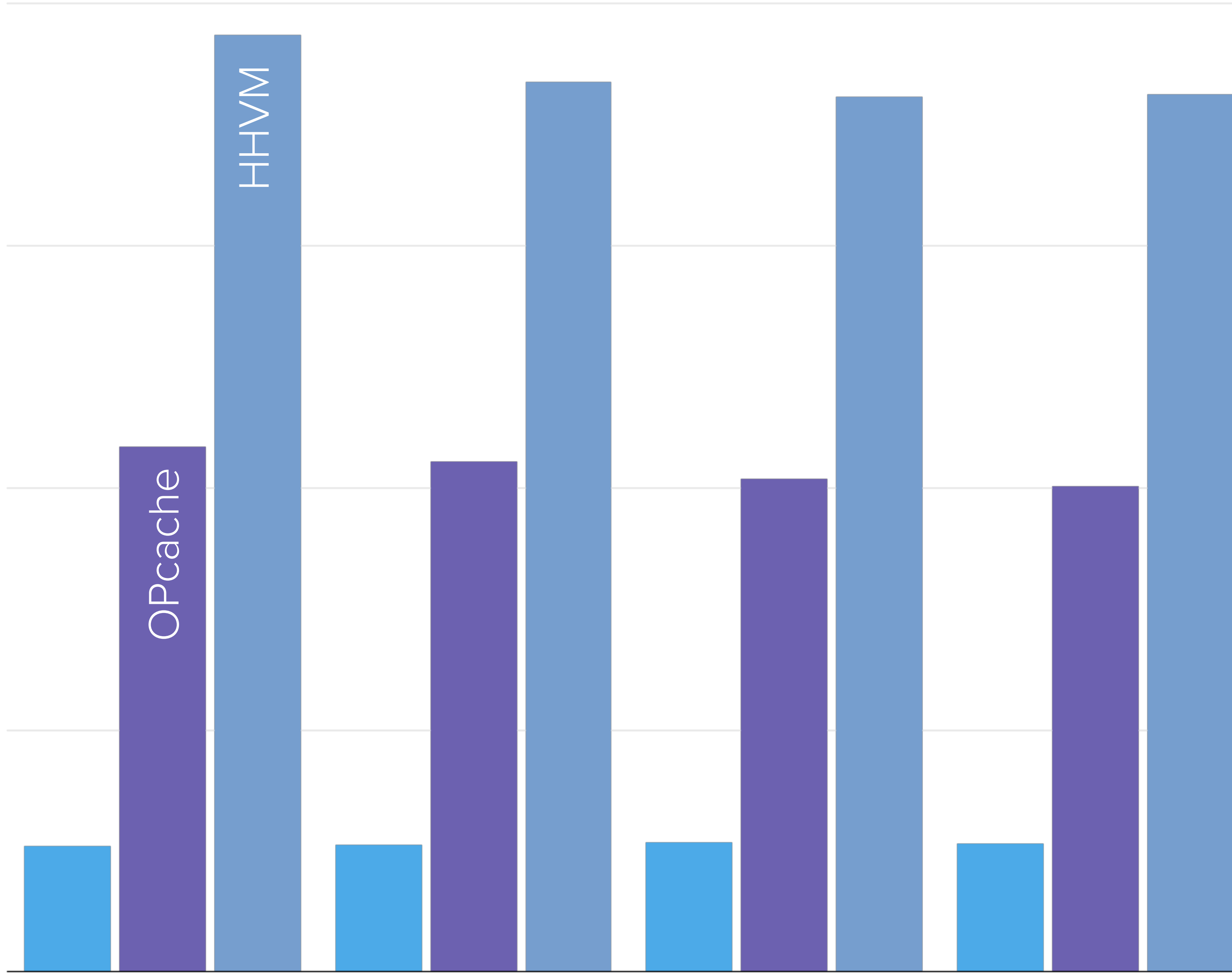
75

100

125

Opcache

HHVM



7000,000

5250,000

3500,000

1750,000

0,000

HHVM

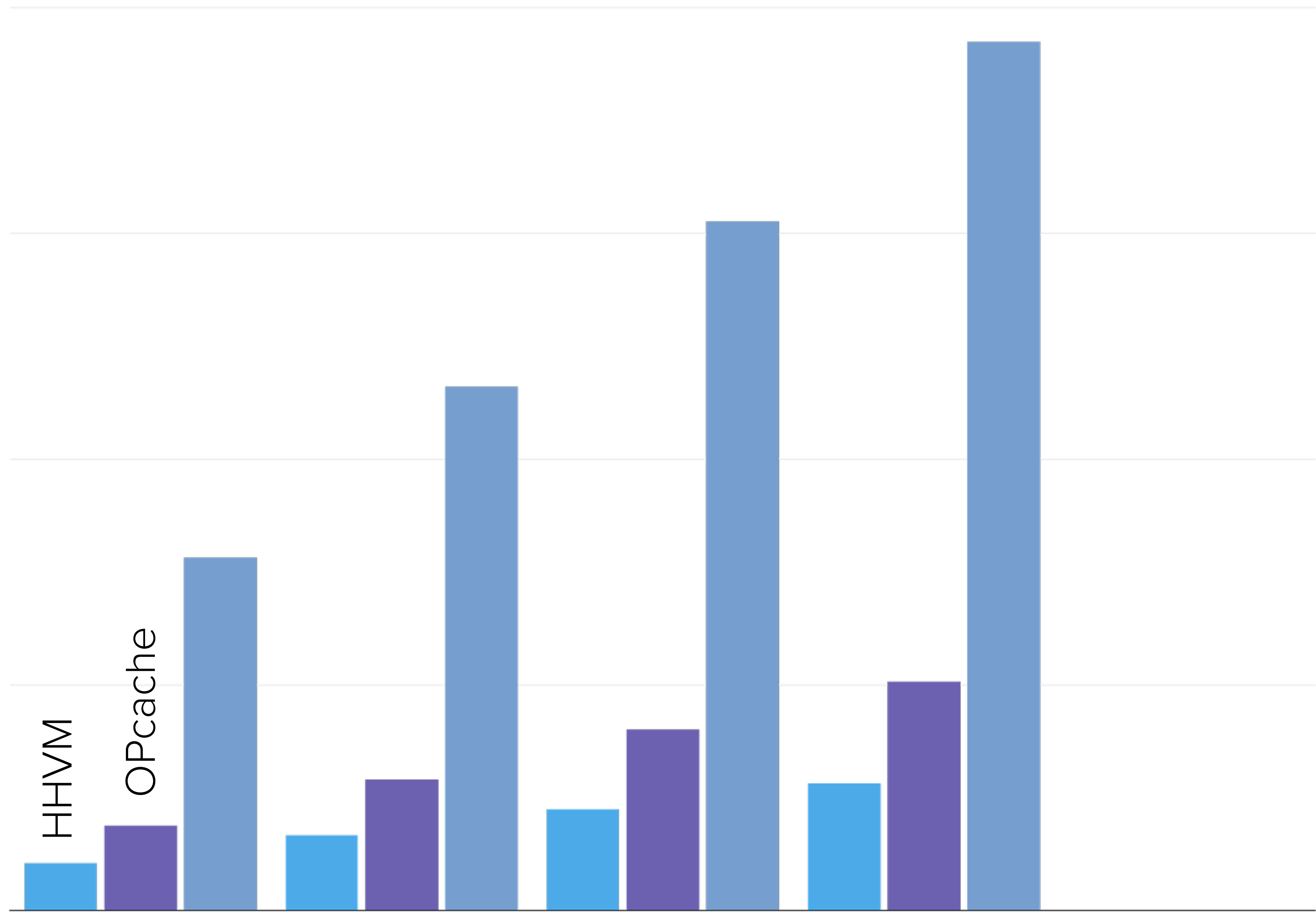
OPcache

50

75

100

125





12000

■ Nginx-Varnish-Opcache

■ Nginx-Varnish-HHVM

■ Nginx-NoVarnish-NoOpcache

■ Nginx-NoVarnish-Opcache

■ Nginx-NoVarnish-HHVM

9000

6000

3000

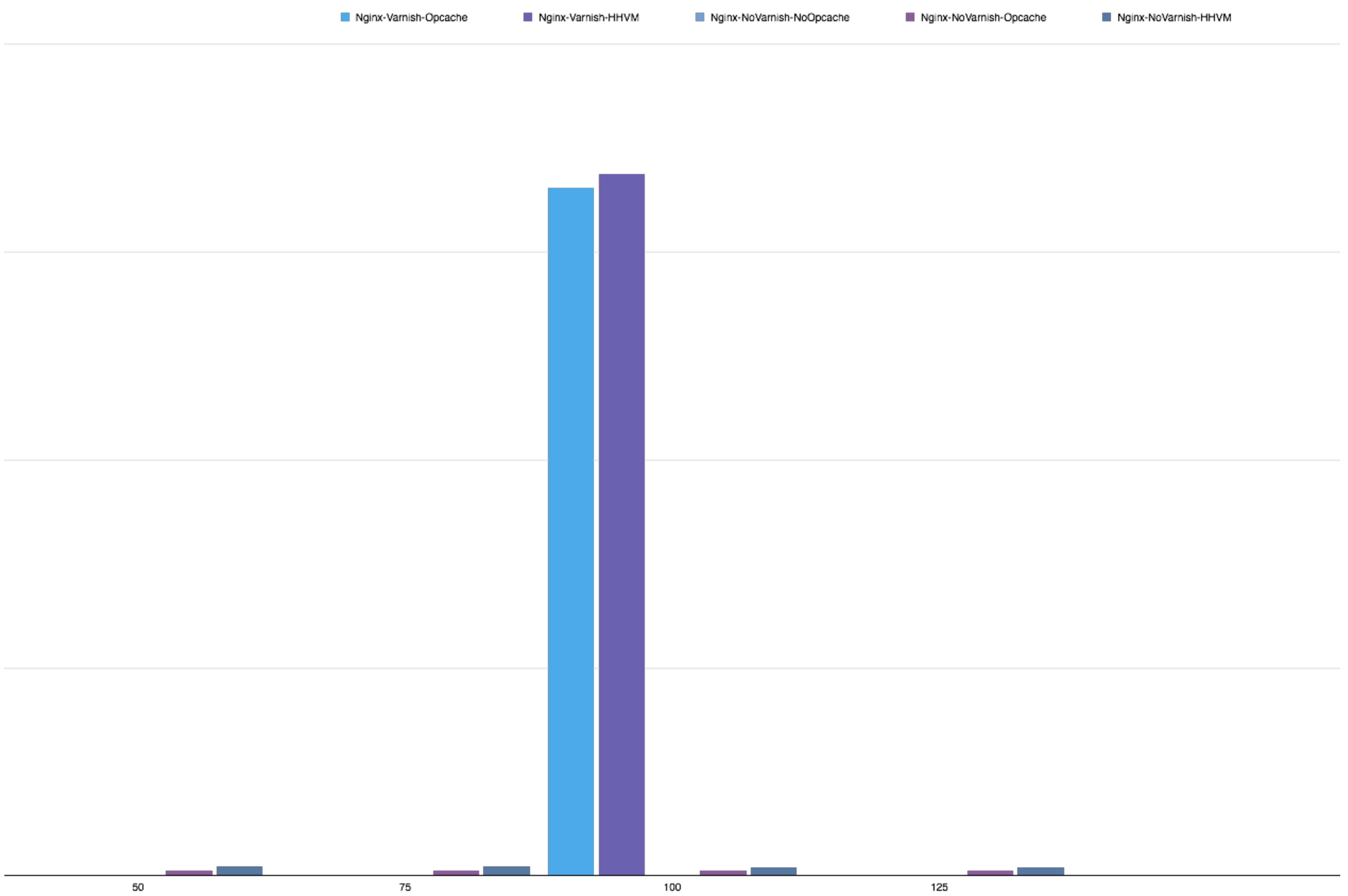
0

50

75

100

125



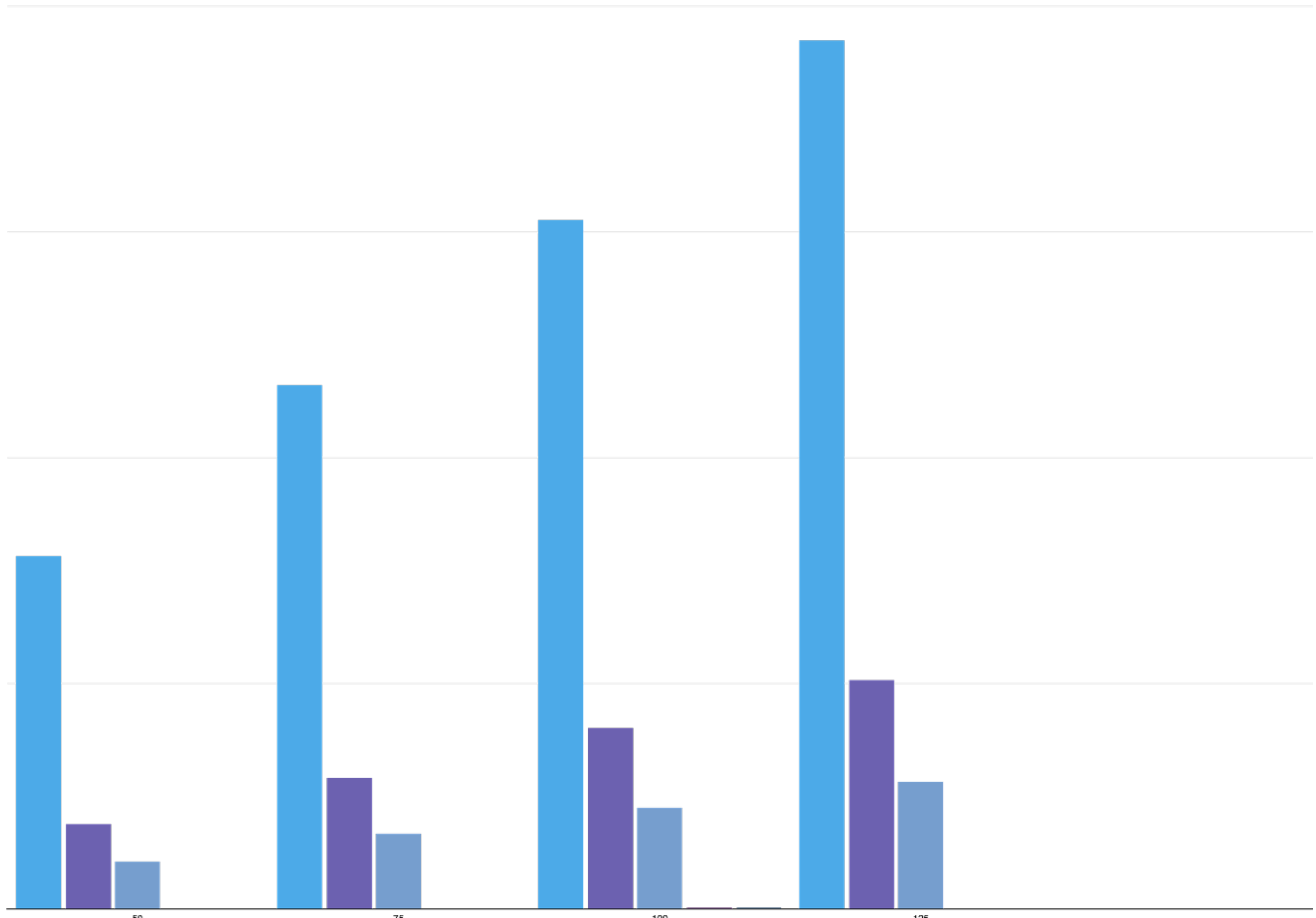
7000,000

5250,000

3500,000

1750,000

0,000



50

75

100

125

NGINX



Requests per second

10131,1 7909%

Time per request

0,0098s -98,7%

Tack!

