
Subject: Performance issue!

Posted by [a.yurtaykin](#) on Wed, 11 Aug 2010 12:25:31 GMT

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I got 2 nearly equal servers, setup by "quick installation" from wiki.

And one "Mail Server VE".

Old server: CentOS 5.3 x86_64 2.6.18-128.2.1.el5.028stab064.7

New server: CentOS 5.5 x86_64 2.6.18-194.8.1.el5.028stab070.2

So the same VE process 500 Mails per minute on Old server

And 50 Mails per minute on New server.

Once again: servers are almost equal!

Test done like "TEST, MIGRATION, TEST, MIGRATION, TEST"

right now i'm done testing HNs with bonnie++:

old HN:

```
Version 1.03      -----Sequential Output----- --Sequential Input- --Random-
                -Per Chr- --Block-- -Rewrite- -Per Chr- --Block-- --Seeks--
Machine      Size K/sec %CP K/sec %CP K/sec %CP K/sec %CP K/sec %CP /sec %CP
            8G 33482 58 35455 12 16781 3 37141 56 40122 3 86.8 0
```

new HN

```
Version 1.03      -----Sequential Output----- --Sequential Input- --Random-
                -Per Chr- --Block-- -Rewrite- -Per Chr- --Block-- --Seeks--
Machine      Size K/sec %CP K/sec %CP K/sec %CP K/sec %CP K/sec %CP /sec %CP
            8G 33136 46 36209 8 19819 4 49741 61 66728 5 185.2 0
```

Subject: Re: Performance issue!

Posted by [a.yurtaykin](#) on Mon, 16 Aug 2010 09:22:08 GMT

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So, right way to do testings is not on HN but inside of VE, so:

bonnie++, VE on "old HN"

```
Version 1.03      -----Sequential Output----- --Sequential Input- --Random-
                -Per Chr- --Block-- -Rewrite- -Per Chr- --Block-- --Seeks--
Machine      Size K/sec %CP K/sec %CP K/sec %CP K/sec %CP K/sec %CP /sec %CP
                8G 30737 63 35707 12 18343 3 34590 67 39202 3 83.6 0
```

bonnie++, VE on "new HN"

```
Version 1.03      -----Sequential Output----- --Sequential Input- --Random-
                -Per Chr- --Block-- -Rewrite- -Per Chr- --Block-- --Seeks--
Machine      Size K/sec %CP K/sec %CP K/sec %CP K/sec %CP K/sec %CP /sec %CP
                8G 40157 65 42630 10 25814 5 52552 79 107684 5 182.9 0
```

Once again they are almost equal, (new faster actually), but on "new HN" server proceeds only 80 mail messages per minute!

Subject: Re: Performance issue!

Posted by [a.yurtaykin](#) on Mon, 16 Aug 2010 09:38:31 GMT

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The main test done by "postal smtp server benchmark" which is running on another server:

```
[root@longbeach postal-0.70]# ./postal -a -t 10 -M 10 -m 100 my-mail-ve.org user-list-filename
time,messages,data(K),errors,connections
```

```
10:53,285,16337,0,295
```

```
10:54,392,20716,0,392
```

```
10:55,385,21213,0,385
```

```
10:56,390,21503,0,390
```

```
10:57,393,22093,0,393
```

```
10:58,439,24806,0,439
```

```
10:59,435,23798,0,435
```

```
[root@longbeach postal-0.70]# ./postal -a -t 10 -M 10 -m 100 my-mail-ve.org user-list-filename
time,messages,data(K),errors,connections
```

```
11:21,71,4790,0,81
```

```
11:22,88,5016,0,88
```

```
11:23,80,4391,0,80
```

```
11:24,83,4300,0,83
```

```
11:25,81,4187,0,81
```

```
11:26,80,4499,0,80
```

```
11:27,82,4211,0,82
```

```
11:28,78,4152,0,78
```

```
11:29,82,4274,0,82
```

```
[root@longbeach postal-0.70]#
```

So, first is "old HE" and second is "new HN".

"new HN" is faster than "old HN" but VE works 5 time slower!

Subject: Re: Performance issue!

Posted by [a.yurtaykin](#) on Tue, 17 Aug 2010 12:23:20 GMT

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First of all, i setuped mail system outside of VE, e.g. on VE0, on HN. And postal shows 800 mails per second

So HN is powerfull enought but somehow don`t offer it`s power to VE!

Some testings:

inside of VE on "new HN":

```
# time bonnie++ -u root -s0 -f -n 256:1:1:2
Version 1.03      -----Sequential Create----- -----Random Create-----
                  -Create-- --Read--- -Delete-- -Create-- --Read--- -Delete--
files:max:min      /sec %CP /sec %CP /sec %CP /sec %CP /sec %CP /sec %CP
                  256:1:1/2 7607 63 1398 1 11012 20 9626 81 1296 1 2143 4

real    9m57.871s
user    0m1.287s
sys     0m57.784s
```

Outside of VE on "new HN":

```
# time bonnie++ -u root -s0 -f -n 256:1:1:2
Version 1.03      -----Sequential Create----- -----Random Create-----
                  -Create-- --Read--- -Delete-- -Create-- --Read--- -Delete--
files:max:min      /sec %CP /sec %CP /sec %CP /sec %CP /sec %CP /sec %CP
                  256:1:1/2 4105 44 1076 0 10262 18 5391 59 842 0 2111 4

real    13m37.166s
user    0m0.653s
sys     1m11.004s
```