
Subject: Re: Performance Question

Posted by [dietmar](#) on Mon, 12 Mar 2007 12:45:44 GMT

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dev wrote on Sun, 11 March 2007 07:42: What was the test?

You can find our OpenVZ template at:

http://www.proxmox.com/cms_proxmox/cms/upload/bittorrent/debian-3.1-proxmox-mailgateway.tar.gz

Its an OpenVZ template for our Mail Gateway software appliance.

The test was simply sending several hundred testmails to the system, doing virus and spam filtering. I can send you the test scripts.

Quote:

- what environment do you refer to when referring to native? host system? Which OS/kernel etc.?

debian/2.6.18-3

Quote:

- during the test you used most likely different directories for storing emails etc. The fact is that HDD speed varies very much for disk beginning and end.

So to make results comparable you should do the following:

- a) create a separate partition of size which will be used totally up (plus some small reserve)
- b) mount this partition to /var/spool when testing host environment and /vz/root/VEID/var/spool when testing VE.

This will guarantee that the same physical sectors of HDD will be used in both tests.

Do you think that explains 15-20% Performance loss? Anyways, I can't change that for several reasons.

Quote:

- set VE UBC setting to unlimited. This will prevent resource shortages during the test.

There can be other tunings done and checked for (e.g. mounting /vz with noatime), but w/o test case and test procedure it is hard to advise.

I already set UBC settings to unlimited, but still get 15% less performance (which is quite good compared to other VM technologies)

I wonder if someone else did performance tests on comparable systems (mail server, mail gateways) running on OpenVZ?