

Esxected read/write speed on SAN CX300 ...



scerazy 286 posts since

Jun 30, 2007 Could anybody let me know what they get (speedwise) on VM located on CX300 SAN for Windows NTFS disks?

I have 2 LUNs - 509Gb & 1.04 Tb

Using CrystalDiskMark I get the following results:

VMFS02 1.04 Tb

CrystalDiskMark 2.1 (C) 2007-2008 hiyohiyo

Crystal Dew World : <http://crystalmark.info/>

Sequential Read : 133.364 MB/s

Sequential Write : 23.846 MB/s

Random Read 512KB : 108.473 MB/s

Random Write 512KB : 19.081 MB/s

Random Read 4KB : 2.108 MB/s

Random Write 4KB : 0.316 MB/s

Test Size : 50 MB

Date : 2008/07/18 20:58:33

VMFS01 509.5 Gb

CrystalDiskMark 2.1 (C) 2007-2008 hiyohiyo

Crystal Dew World : <http://crystalmark.info/>

Sequential Read : 148.524 MB/s

Sequential Write : 4.825 MB/s

Random Read 512KB : 147.345 MB/s

Random Write 512KB : 3.976 MB/s

Random Read 4KB : 0.604 MB/s

Random Write 4KB : 0.193 MB/s

Test Size : 50 MB

Date : 2008/07/18 21:54:43

To me thay are (especially the smaller LUN) simply BAD

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As I am not a storage guy (I just do it all) I would appreciate any help with the issue

Thanks

Seb



Berniebgf 98 posts since

Jun 14, 2005 1. Re: Esxected read/write speed on SAN CX300 Jul 19, 2008 4:47 AM

Hi Scerazy.

There are **no** cx300 figures in the follow performance thread, but it would be worth running the included IOMeter test pattern to lodge your numbers and compair with other models.

<http://communities.vmware.com/thread/73745> E.G. CX500

+++++ TABLE oF RESULTS +++++
SERVER TYPE: Win2k3 VM CPU TYPE / NUMBER: VCPU / 1 HOST TYPE: Dell PE2900, 24GB RAM; 2x XEON 5160, 3.00 GHz, DC STORAGE TYPE / DISK NUMBER / RAID LEVEL: EMC CX500 x 1 / 7 FC(10k)Disks / R5 #####

TEST NAME-----Av. Resp. Time ms-----Av. IOs/sek-----Av. MB/sek-----

Max Throughput-100%Read..... 9.98 5846 182 ____
RealLife-60%Rand-65%Read..... 33.29 1486 11.61 ____
Max Throughput-50%Read..... 8.33 6889 215 ____
Random-8k-70%Read..... 29.13 1628 12.72 ____ EXCEPTIONS:

CPU Util.-54,38,62,41; E.G. CX700 SERVER TYPE: VM or PHYS. - VM ESX 3.0.1 CPU TYPE / NUMBER: VCPU / 1 HOST TYPE: DL380G4 2x3.2GHZ DC XEON, 24GB RAM STORAGE TYPE / DISK NUMBER / RAID LEVEL: CX700 / 4+1 Disks R5 / 500gb ATA 7200RPM #####

TEST NAME-----Av. Resp. Time ms-----Av. IOs/sek-----Av. MB/sek-----

Max Throughput-100%Read..... 10.79 4920 153.7 ____
RealLife-60%Rand-65%Read..... 79.43 692 5.4 ____
Max Throughput-50%Read..... 7.78 5361 167 ____
Random-8k-70%Read..... 60.51 467 3.6 ____ EXCEPTIONS: CPU Util.82,30,90,27%; regards Bernie <http://sanmelody.blogspot.com>