

# TEST - SCST Slow Bulk SATA2 Soft-RAID6

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### Test Setup

#### Target

ASUS KFN32-D/SAS with single Opteron 8354 and 16 GB RAM.

2 Gb Fibre Channel to PCI-X HBA.

SCST: NV\_CACHE and 512 block size.

VG:

```
VG Size          10.92 TiB
PE Size          4.00 MiB
```

Soft-RAID6:

```
[root@tc0s2 ~]# cat /proc/mdstat
Personalities : [raid6] [raid5] [raid4]
md127 : active raid6 sdel[1] sdj1[6] sdh1[4] sdi1[5] sdk1[7] sdf1[2] sdg1[3] sdd1[0]
        11721073152 blocks super 1.2 level 6, 256k chunk, algorithm 2 [8/8] [UUUUUUUU]
```

SCSI storage controller: LSI Logic / Symbios Logic SAS1068 PCI-X Fusion-MPT SAS

8 \* WDC WD20EARS SATA disks.

#### Initiator

HP DL360 G5 with single Xeon 5140 processor and 8 GB RAM.

2 Gb Fibre Channel to PCI-e HBA.

### Results

#### Sequential Read and Write

dd block size 1024k

Initiator to target:

```
209715200000 bytes (210 GB) copied, 1610.66 s, 130 MB/s
```

Target to initiator:

```
209715200000 bytes (210 GB) copied, 1458.25 s, 144 MB/s
```

Target to initiator to target:

```
104857600000 bytes (105 GB) copied, 2082.58 s, 50.3 MB/s
```

## References

	SCST
	SATA
	WDC WD20EARS
	LSI SAS1068
	Intel Xeon 5140

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