

INTERLAB

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ISSUE: MetaSan howto turn drives super privat

Concerned platforms:

OS : MetaSan 4.x windows

DANGER : those command scan KILL YOUR SAN, be carfull.

Vernouillet, 28.11.2011

Issue:

procedure how to make the local disks super-private. In this way metaSAN will totally ignore them and you will not have problems accessing them.

Important: Note that you can configure metaSAN to ignore specific disks, but not volumes. This is why it is very important to make metaSAN ignore all disks constituting a volume. Otherwise, if there's a volume on two or more disks one of which is ignored by metaSAN, but the others are not, this may lead to unpredictable results. You should also keep in mind that once you make a disk to be ignored by metaSAN you will not be able to add its volumes to a SAN definition.

Here is the procedure:

The steps you should take to make metaSAN ignore a specific volume go in the following order:

- * Get the signature of the disk you want to exclude.
 - * Make the disk super-private with metaSAN utility
 - * Check if the new settings are applied.
- * To get the signature of the disk you want to exclude:

1. Start **Command Prompt**.
2. Type this followed by Return

msanutil /dt

You will get output similar to the one below:

```
Version 2.0.5.2029
Disk Table:
Device name:          \Device\Harddisk0\Partition0
Vendor ID:            TOSHIBA MK6022GAXHB00
HBA Device description: Primary IDE Channel
HBA Manufacturer:    (Standard IDE ATA/ATAPI controllers)
Signature:            0xCEFFCEFF
Status:               2
Flags:                0x0
```

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```
LDM DB start:          0x0
Size:                 60011642880
SectorSize:          512
Disk Type:            7
SCSI Address Length:  8
SCSI Address LUN:     0
SCSI Address Path ID: 0
SCSI Address Port Number: 1
SCSI Address Target ID: 0
1 disk(s)
```

3. In the listing, find the signature value of the disk you want to exclude from metaSAN management and copy it.

Note: Copy the part of the signature after the "0x" - in the above example, this is "**CEFFCEFF**".

* Making metaSAN to Ignore the Disk

1. In command prompt, type this followed by return:

```
msanutil /ds disk_signature 1
```

For example:

```
msanutil /ds CEFFCEFF 1
```

You can see the instructions about msanutil /ds usage by simply typing msanutil in Command Prompt

2. If the setting is not detected immediately by metaSAN, you may need to reboot the computer.

* To check if the settings are applied:

1. After you finish with the registry setting, reboot the computer.
2. After rebooting the machine, open the metaSAN window and check if the volumes on the excluded disk are listed on the Volumes tab.

* They should not be listed.

3. Check if the volumes are mounted and accessible in Windows Explorer.
4. Several times stop and start the metaSAN service to make sure this does not affect the mount status of volumes that are located on an excluded disk.

Pls. send us your feel back.

Rev.1 – David