??
????? VM ?????????:

1. myvm.vmdk : VM ?????????
2. myvm-flat.vmdk : ??? VM ???

????? VM ????????? VM ??????
? esxconsole.vmdk ?? (esxconsole ? ESX ????????????????)

??????:

1. ????????????????? ESX ?????????????
2. ?????????????????

????: [Recreating a missing virtual machine disk (VMDK) descriptor file (1002511)](#)

?? myvm.vmdk
??? VM ?????

```
# cd /vmfs/volumes/4d9eab94-5b35e5a5.../esxconsole-4d9eaabc-6870-.../
# ls -l

-rw------- 1 root root 7973371904 Mar 12 11:48 esxconsole-flat.vmdk

# vmkfstools -c 7973371904 -a buslogic -d thin temp.vmdk
# rm temp-flat.vmdk
# mv temp.vmdk esxconsole.vmdk
```

Note:

```
vmkfstools -c <temp-flat.vmdk ? size> -a <?????? buslogic ? lsilogic> -d thin temp.vmdk
-d  thin ??????? temp-flat.vmdk ??????
```

????????
????? ESX ????? VM ????? lsilogic????? .vmx
??? ESX ????? esxconsole????? buslogic

?? esxconsole.vmdk:

```
# Disk DescriptorFile
version=1
CID=fb183c20
parentCID=ffffffff
createType="vmfs"
```

Extent description
RW 8388608 VMFS "esxconsole-flat.vmdk" <== ??

The Disk Data Base
#DDB

ddb.virtualHWVersion = "4"
ddb.geometry.cylinders = "522"
ddb.geometry.heads = "255"
ddb.geometry.sectors = "63"
ddb.adapterType = "buslogic"
ddb.thinProvisioned = "1" <== ??

?? esxconsole.vmdk ????

for ESX 5.x

vmkfstools -e filename.vmdk

For a complete chain, you see output similar to:
Disk chain is consistent

For a broken chain, you will see a summary of the snapshot chain and then an output similar to:
Disk chain is not consistent : The parent virtual disk has been modified since the child was created. The content ID of the parent virtual disk does not match the corresponding parent content ID in the child (18)

for ESX 3.5/4.x

vmkfstools -q filename.vmdk

For a complete chain, you see output similar to:
filename.vmdk is not an rdm

For a broken chain, you see output similar to:
Failed to open 'test-000001.vmdk' : The parent virtual disk has been modified since the child was created (18)

Note: The primary purpose of the vmkfstools -q command is(from the vmkfstools help page: vmkfstools -h): -q --queryrdm.
This
 command will identify any issues with the snapshot chain, not its
intended purpose, which is to identify if the vmdk disk is a raw device
mapping.