

?:OSSLab thx 2010 1.20

OSSLab windows ??????? VM ??? 2009 ??????????,?????? ??????,???????? ?????????????

?????????VMDK file ???Win 2003 VM ? ???  
 ?????????

1.???? win2003 VM disk ???(???? 2010,1,16 ???) ??? ??????VMDK file ????? , ??????VM ???!

2.???? ?vmdk ???VM? ??????VM ?? ??

**The parent virtual disk has been modified since the child was created**

**??Scan ?? ??????? ???????**

???vmdk file ???VM? CID????...?????????  
 ?????????

???

<http://phorum.study-area.org/index.php?topic=54707.0>

????????? ????????? vmdk ???????

??? ??? win2003.vmdk (?????delta -00000?? ??????)  
 ?? Disk "?:win2003-flat.vmdk

```
# Disk DescriptorFile
version=1
CID=829ab81d
parentCID=ffffff (vmdk file ??????)
createType="vmfs"
```

```
# Extent description
RW 83886080 VMFS "win2003-flat.vmdk" (?????????)
```

-----  
 ?? win2003-000004-delta.vmdk (delta ??????)  
 ??

```
# Disk DescriptorFile
version=1
CID=5d635ed0
parentCID=5d635ed0 (?CID ?????? win2003-000005 ???CID )
createType="vmfsSparse"
```

parentFileNameHint="win2003-000005.vmdk"  
# Extent description  
RW 83886080 VMFSSPARSE "win2003-000004-delta.vmdk" (???????????)

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win2003-000005-delta.vmdk ????

# Disk DescriptorFile  
version=1  
CID=5d635ed0 (????? win2003-000005-delta.vmdk CID)  
parentCID=829ab81d  
createType="vmfsSparse"  
parentFileNameHint="win2003-000003.vmdk"  
# Extent description  
RW 83886080 VMFSSPARSE "win2003-000005-delta.vmdk"

-----  
????????????????? win2003-000004-delta.vmdk ?????????? win2003-000005.vmdk ??????????  
?????? ??????

win2003-000004????? win2003-000005.vmdk  
?win2003-000004 ?parentCID???? win2003-000005.vmdk?CID

-----  
?????vmx ????? ?

scsi0:0.fileName = "win2003-000007.vmdk"

???win2003-000007.vmdk ??????? parentCID ????

??

???? ?????? Winscp  
<http://winscp.net/eng/docs/lang:cht>

?? ???VM???vmdk ??? ?????? (??)  
??winscsp ??edit ????? ????