

VirtualBox

VirtualBox

- 가상머신 실행 하기
 - `/usr/bin/VBoxManage startvm Ubuntu-Server -type headless`
- `vmdk --> vdi` 사이즈 변경

```
schmitt@JCock:~/Desktop/data/after/VirtualBoxIMG/AcnDbServer001$ VBoxManage clonehd "/home/schmitt/Desktop/data/after/VirtualBoxIMG/AcnDbServer001.vmdk" --format vdi --filename "/home/schmitt/Desktop/data/after/VirtualBoxIMG/AcnDbServer001.vdi"
Warning: program compiled against libxml 208 using older 207
0%...10%...20%...30%...40%...50%...60%...70%...80%...90%...100%
Clone hard disk created in format 'VDI'. UUID: 22ad08e4-737a-406e-af81-9401ce15c4ce
schmitt@JCock:~/Desktop/data/after/VirtualBoxIMG/AcnDbServer001$ VBoxManage showhddinfo "/home/schmitt/Desktop/data/after/VirtualBoxIMG/AcnDbServer001.vdi"
UUID:          22ad08e4-737a-406e-af81-9401ce15c4ce
Parent UUID:   base
State:         created
Type:          normal (base)
Location:      /home/schmitt/Desktop/data/after/VirtualBoxIMG/AcnDbServer001/Ubuntu1404OrgVersion_ac
Storage format: VDI
Format variant: dynamic default
Capacity:      11125 MBytes
Size on disk:  9013 MBytes
schmitt@JCock:~/Desktop/data/after/VirtualBoxIMG/AcnDbServer001$
schmitt@JCock:~/Desktop/data/after/VirtualBoxIMG/AcnDbServer001$
schmitt@JCock:~/Desktop/data/after/VirtualBoxIMG/AcnDbServer001$ VBoxManage modifyhd "/home/schmitt/Desktop/data/after/VirtualBoxIMG/AcnDbServer001.vdi" --resize 51200
Warning: program compiled against libxml 208 using older 207
0%...10%...20%...30%...40%...50%...60%...70%...80%...90%...100%
schmitt@JCock:~/Desktop/data/after/VirtualBoxIMG/AcnDbServer001$ VBoxManage showhddinfo "/home/schmitt/Desktop/data/after/VirtualBoxIMG/AcnDbServer001.vdi"
UUID:          22ad08e4-737a-406e-af81-9401ce15c4ce
Parent UUID:   base
State:         created
Type:          normal (base)
Location:      /home/schmitt/Desktop/data/after/VirtualBoxIMG/AcnDbServer001/Ubuntu1404OrgVersion_ac
Storage format: VDI
Format variant: dynamic default
Capacity:      51200 MBytes
Size on disk:  9013 MBytes
schmitt@JCock:~/Desktop/data/after/VirtualBoxIMG/AcnDbServer001$
```

- 다음에 `gparted`를 실행하여 `resize` 또는 추가 볼륨을 만든다.
- `snapshotAllVM.sh`
줄 번호 보이기/숨기기

```
1 #!/bin/sh
2
3
4 echo "\n\n"
5 echo "#####"
6 echo "##### MAKE SNAPSHOT START ! #####"
7 echo "#####"
8
9
10 echo "\n## Virtual Images list ##"
11 allVm=$(/usr/bin/VBoxManage list vms | awk '{print($1)}')
12 for i in $allVm
13 do
```

```

14 vmname=$(echo $i | sed -e "s/\\/g")
15 echo $vmname
16 /home/smend/BackUpCenter/snapshotVM.sh $vmname
17 done
18
19
20
21 echo "\n\n"
22 echo "#####"
23 echo "##### MAKE SNAPSHOT END ! #####"
24 echo "#####"
25 echo "\n\n"

```

• snapshotVM.sh

줄 번호 보이기/숨기기

```

1 #!/bin/sh
2
3
4 export _SDATE=$(date +%Y%m%d%H")
5 export FinalSnapshotCnt=10
6 export FinalSnapshotDueDay=50
7 export VMNAME=$1
8 export NOW=`date +%Y%m%d%H`
9 export FinalSnapshotDay=$((NOW - $(expr $FinalSnapshotDueDay*24)))
10
11
12 echo "\n\n"
13 echo "#####"
14 echo "##### SNAPSHOT START ! #####"
15 echo "#####"
16 echo ">> VMNAME : $1"
17 echo ">> DATE : $_SDATE"
18 echo ">> FinalBackupDay : $FinalSnapshotDueDay"
19
20 echo "\n\n"
21 echo "## Old $VMNAME snapshot delete ! ##"
22 TotalsnapshotCnt=`VBoxManage snapshot $VMNAME list | grep Name | awk '{print ($2)}' | wc -l`
23 echo ' >> Total snapshot count = ' $TotalsnapshotCnt
24 echo ' >> Final snapshot remain count = ' $FinalSnapshotCnt
25 TargetdeleteSnapshotCnt=`expr $TotalsnapshotCnt - $FinalSnapshotCnt`
26 echo ' > Total snapshot count - Final snapshot count = ' $TargetdeleteSnapshotCnt
27
28
29 BackupAllFiles=$(VBoxManage snapshot $VMNAME list | grep Name | awk '{print ($2)}' | sort -n)
30 cnt=1
31 echo ' > ' $FinalSnapshotDay ' day before delete target snapshot list'
32 for i in $BackupAllFiles
33 do
34 snapshotDate=`echo $i | awk -F "-" '{print $1}'`
35 echo $cnt " : " $i

```

```

_36 if [ $SnapshotDate -le $FinalSnapshotDay ]
_37 then
_38     if [ $TargetdeleteSnapshotCnt -ge $cnt ]
_39     then
_40         snapshotDate=`echo $i | awk -F "-" '{print $1}'`
_41         #echo $SnapshotDate " vs " $FinalSnapshotDay
_42         if [ $SnapshotDate -le $FinalSnapshotDay ]
_43         then
_44             echo "Delete snapshot $i"
_45             VBoxManage snapshot $1 delete $i
_46         fi
_47     else
_48         echo " >> skip snapshot : " $i
_49     fi
_50 fi
_51 cnt=$(expr $cnt + 1)
_52 done
_53
_54 echo " >> Create snapshot !!"
_55 VBoxManage snapshot $VMNAME take "$_SDATE-$VMNAME" --description "$_SDATE automatic snapsho
_56
_57
_58
_59 echo "\n\n"
_60 echo "#####"
_61 echo "##### SNAPSHOT END ! #####"
_62 echo "#####"
_63 echo "\n\n"

```

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