

# 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
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 showhdi:
UUID:          22ad08e4-737a-406e-af81-9401ce15c4ce
Parent UUID:   base
State:         created
Type:          normal (base)
Location:      /home/schmitt/Desktop/data/after/VirtualBoxIMG/AcnDbServer001/Ubuntu
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
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 showhdi:
UUID:          22ad08e4-737a-406e-af81-9401ce15c4ce
Parent UUID:   base
State:         created
Type:          normal (base)
Location:      /home/schmitt/Desktop/data/after/VirtualBoxIMG/AcnDbServer001/Ubuntu
Storage format: VDI
Format variant: dynamic default
Capacity:      51200 MBytes
Size on disk:  9013 MBytes
schmitt@JCock:~/Desktop/data/after/VirtualBoxIMG/AcnDbServer001$
```

- 다음에 gparted를 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## Virtural 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 $VMNAME list | grep Name | awk '{print ($
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 = ' $TargetdeleteSnapshotC
27
28
29 BackupAllFiles=$(VBoxManage snapshot $VMNAME list | grep Name | awk '{print ($
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 auto:
56
57
58
59 echo "\n\n"
60 echo "#####"
61 echo "##### SNAPSHOT END ! #####"
62 echo "#####"
63 echo "\n\n"

```

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